

Light in the outdoor area

Architectural lighting in outdoor areas is essentially about dealing directly with the effect of the elements, with nature and also with the social realities of towns and cities. On the one hand, this places a lot of responsibility on lighting designers and manufacturers, but, on the other, it also gives them an opportunity to create symbols and images of exceptional visibility and importance. Whoever tries to design light professionally requires a coherent toolbox of lighting technology rather than decorative products. The ERCO outdoor lighting program provides efficient visual comfort – not only by way of future-proof light sources and control gear, but also through optimum and effective lighting technology for a wide variety of applications.



Statoil headquarters, Stavanger. Lighting design: Statoil ASA.

Ritzenhoff glass factory, Marsberg. Architecture: Clever Architekten + Ingenieure, Marsberg.

DID Architecture & Interior Design.

Stavanger Konserthus, square. Lighting design: Zenisk AS.



Banca Farnese, Piacenza. Architecture: Studio Scagnelli, Piacenza.



123 Victoria Street, lighting installation, London. Architecture: Aukett Fitzroy Robinson and Morey Smith.

Lighting design: Studio Fractal.

Light in the outdoor area



Siegerland
Motorway
Church, Wilns-
dorf. Architec-
ture: Schnei-
der +
Schumacher.

Esplanade, Nîmes.
Architecture:
Alain Marguerit.
Lighting design:
LEA Fachard.



Avenue to the
Weissenhaus
Castle Estate
Hotel, Weissen-
haus. Archi-
tecture: MUHS
Landschafts-
Architekten, Kiel.



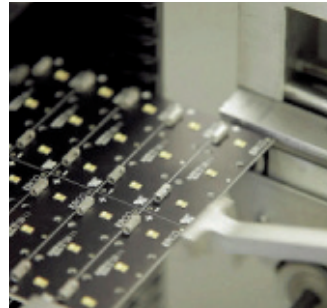
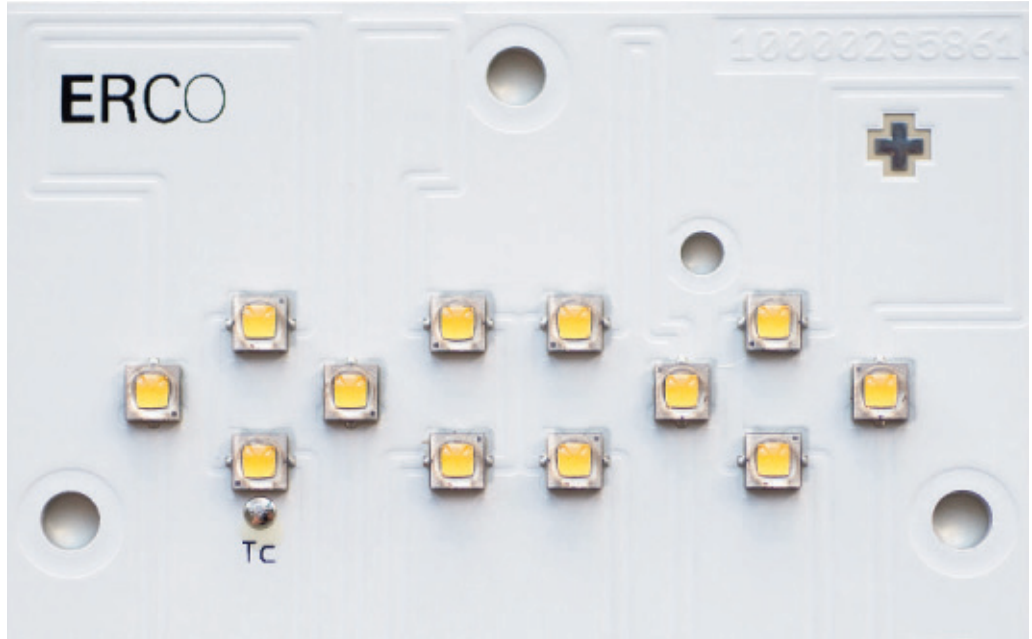
Private residence,
Dortmund. Archi-
tecture: Heiderich
Architekten,
Lünen. Lighting
design: LDE
Kober, Dortmund.



Projectors, floodlights and wallwashers LED modules

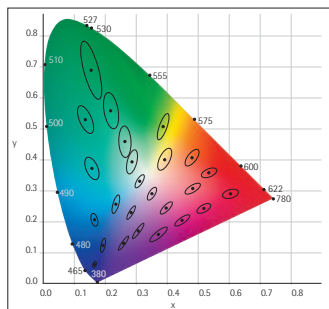
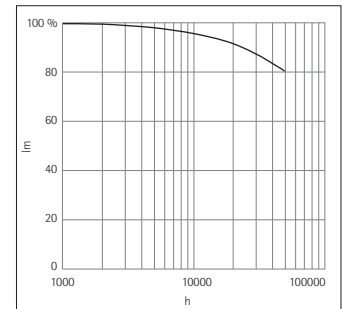
Highest LED quality at ERCO

ERCO sources the LEDs globally from reputable manufacturers, specifying the highest standards of luminous flux, luminous efficacy, colour rendition, colour temperature (i.e. colour of light) and consistency in mass production. The arrangement of the LEDs on the PCB depends on the actual lighting task. In-house PCB design and manufacture allow optimisation of the complete system. This involves using suitable layouts for each separate light distribution and precise mounting points for the secondary lens, while also considering optimum heat dissipation from the LED chips via the PCB to the housing. The ERCO system design offers a high level of planning certainty because all LED product ranges feature the same characteristics in terms of colour location, colour rendition and luminous efficacy.



ERCO high-power LEDs
At 700mA, an LED has an output of around 2W. This results in a luminous efficacy of 125lm/W for neutral white LEDs and 95lm/W for warm white LEDs.

In-house PCB manufacture
The PCBs are assembled with LEDs using cutting-edge production methods. ERCO subsequently tests each LED for proper functioning.



Precise chromaticity location in LED selection
To ensure minimal colour deviation, ERCO only uses LEDs with a SDCM (Standard Deviation of Colour Matching) value of <2.

Long life
Excellent thermal management as a focal point at ERCO ensures that the LEDs in all luminaires achieve a rated life of 50,000 hours (L80/B10). Effectively, this means that the luminous flux of no more than 10% of all LEDs in this period reduces to 80% or less of the initial value. In other words, at least 90% of all LEDs will still achieve more than 80% of the original luminous flux after 50,000 hours.

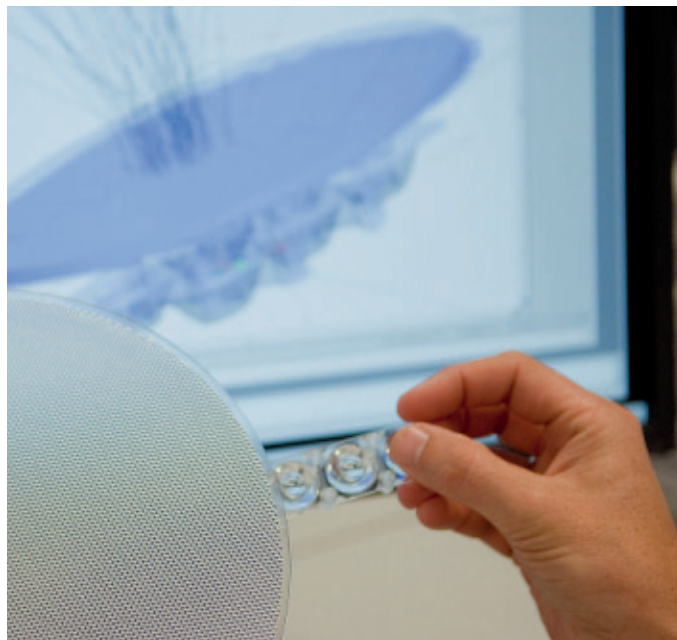
Projectors, floodlights and wallwashers Lens systems

Modern Spherolit technology for maximum efficiency

ERCO's innovative Spherolit technology achieves a higher light output ratio than conventional lighting technology. By using high-quality optical polymers and modern photometric simulations, transmission losses are reduced to an absolute minimum.

Optical systems

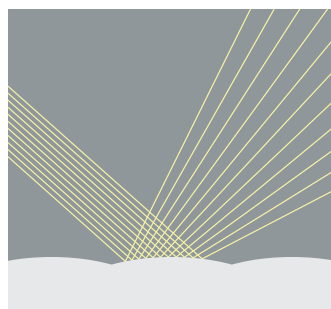
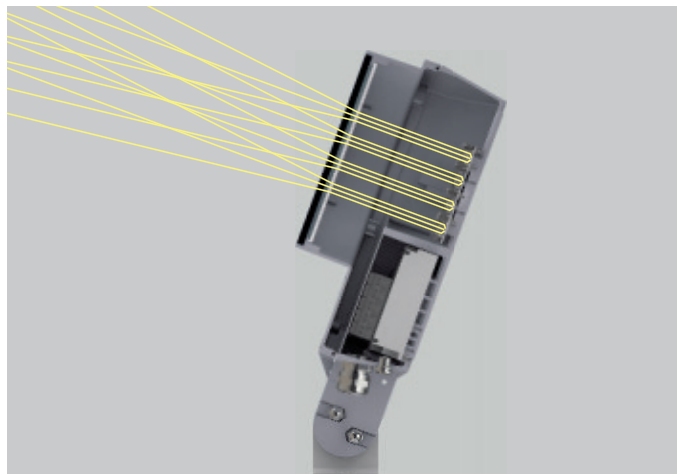
The optical systems for LED lighting tools are vastly different from those of conventional luminaires. ERCO designs and builds these systems in-house to ensure a perfect match, thereby allowing their full potential to be exploited in terms of efficiency and lighting quality.



Efficient Spherolit technology with lenses

The light is efficiently guided by three elements in an ERCO LED projector: the primary lens which is directly mounted on the LED chip and produces a semi-spherical beam,

the secondary lens in the form of a collimating lens to create a parallel beam, and the tertiary lens in the form of a Spherolit lens. The design of the Spherolit lens determines the actual light distribution.



Efficient Spherolit technology with reflectors

The Spherolit reflectors are used for conventional lamps. By designing the shape of each Spherolit lens individually, a wide range of reflector characteristics can be created.



Projectors, floodlights and wallwashers Photometrics

Practical product range

Different lighting tasks require individual lighting solutions. Whatever size, shape or function you may need, ERCO offers an extensive range of projectors providing you with the right lighting tool for your purposes.



Enhanced visual comfort

ERCO has developed luminaires with special housing designs and high-quality optical components specifically for demanding visual tasks to provide enhanced visual comfort.



Excellent uniformity

To meet the stringent standards of vertical illuminance, ERCO has developed luminaires specifically to produce exceptionally uniform levels of illuminance.



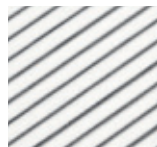
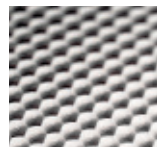
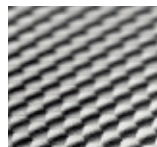
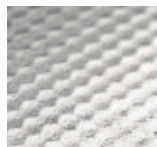
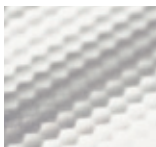
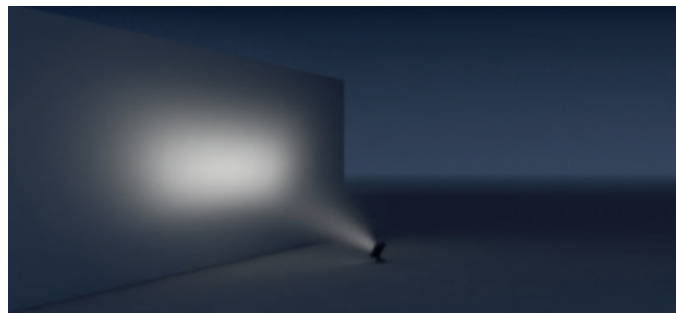
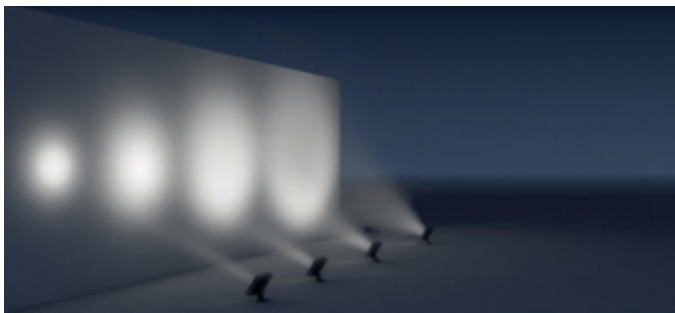
High lumen packages for very high illuminances

High-contrast accent lighting allows you to attract attention. The ERCO Program features a range of efficient luminaires with high lumen packages designed

specifically for this purpose.



Projectors, floodlights and wallwashers Light distributions



Narrow spot
To accentuate smaller objects with high illuminance or to cover considerable distances between luminaire and object. Beam angle <math>< 10^\circ</math>.

Spot
The standard light distribution for accent lighting for objects of all kinds, especially to reveal the three-dimensional shape. Beam angle $10^\circ - 20^\circ$.

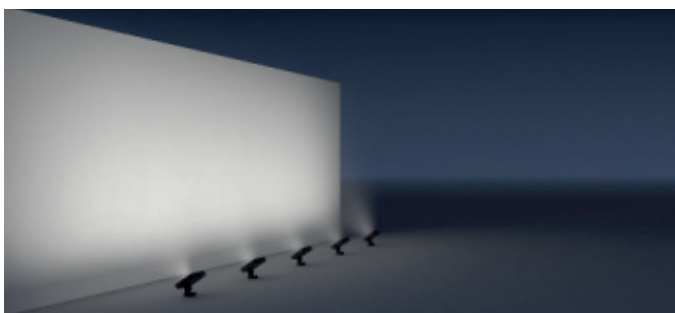
Flood
Used for efficient accentuation of large objects or to uniformly emphasise a complete spatial zone. Beam angle $25^\circ - 35^\circ$.

Wide flood
Used for flexible, flooding illumination of surface areas and spatial zones, especially useful for the presentation of goods. Beam angle $> 45^\circ$.

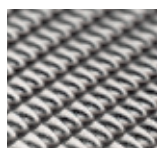
Oval flood
Axially symmetrical light distribution with flood characteristics produced by an oval beam of about 20° by about 60° .



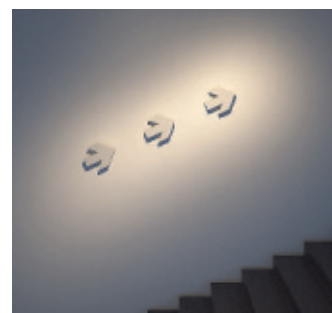
Different light distributions
Different light distributions let you adjust the light to suit the task at hand. The options range from very narrow accentuation through to wide beam floodlighting and even wallwashing.



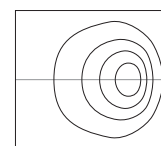
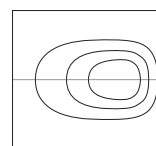
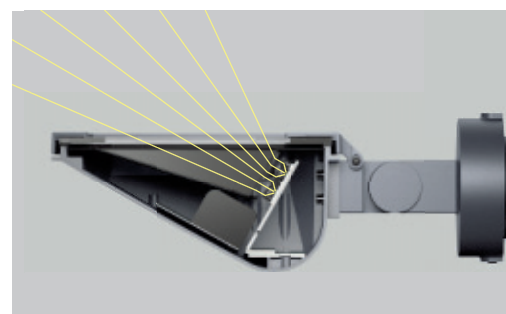
Lens wallwashers
The light distribution of the lens wallwasher is designed to provide very high uniformity.



Oval flood can be freely rotated
The Spherolit lens oval flood in round luminaire heads can be rotated freely for optimum adjustment of the lighting on different objects.



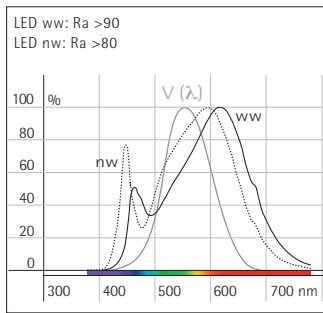
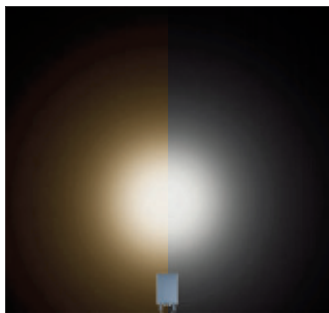
Wide or deep beam
The Spherolit lenses with wide or deep beam option permit adjustment of the light distribution to suit the relevant lighting task.



Projectors, floodlights and wallwashers Light spectrum

Different light colours

ERCO offers LED luminaires in neutral white (4000K) or warm white (3000K). This allows you to select the colour of light to suit the material colours or to create cold-warm contrasts.



Different light colours

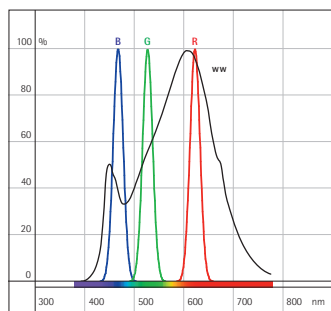
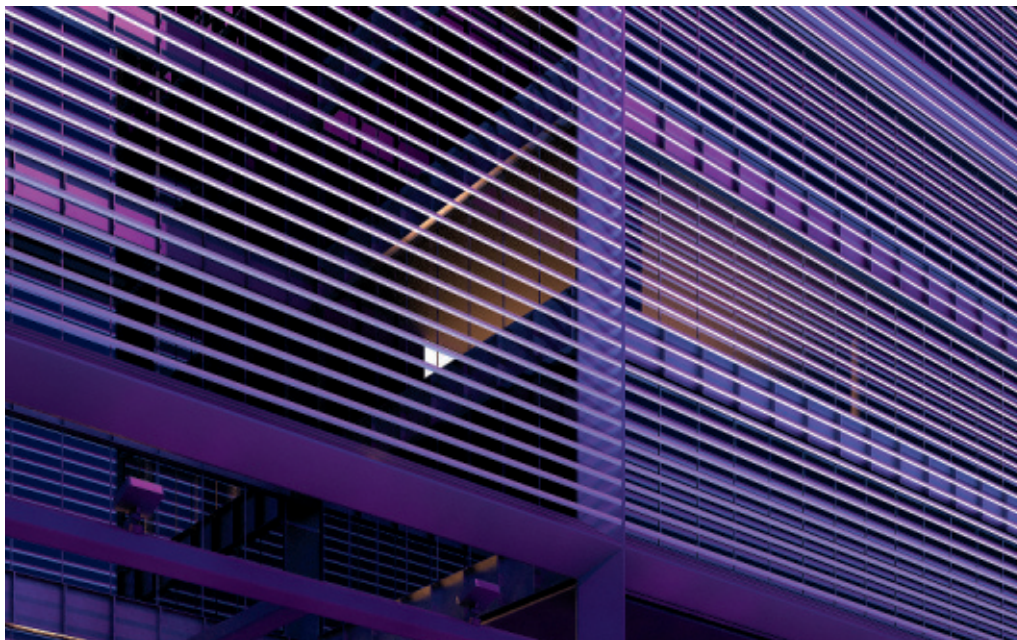
Warm white LEDs provide better colour rendition quality, whereas neutral white LEDs have higher luminous efficacy.

Best colour rendition

Excellent colour rendition is obviously as important for the quality of ERCO's LED selection as minimum colour deviation.

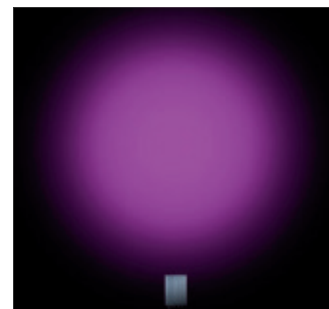
Coloured light

Coloured light can be used to design and change the surroundings by adding subtle or dramatic contrasts. LEDs provide you with a highly efficient and flexible tool to create coloured light.



Saturated or pastel colours

In order to produce coloured light, the four colour components red, green, blue and white are individually addressed along the principles of additive colour mixing.



RGBW luminaires

The modules of the RGBW vary-chrome luminaires combine coloured and warm white LEDs. This, as a result, allows infinitely variable colour temperatures with excellent colour rendition, but also a diverse range

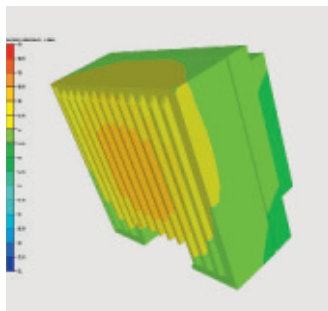
of pastel hues or saturated colours.

For further information go to: www.ercos.com/service/RGBW

Projectors, floodlights and wallwashers System design

Excellent thermal management

ERCO places particular importance on thermal management in the luminaire, ensuring that the LED modules operate below the critical temperature range. As a result, they achieve a functional life of 50,000 hours with but a minimal drop in luminous flux.



Heat dissipation through the housing

With projectors, the heat can be efficiently dissipated away from the LED module via the housing. The cast-aluminium material gives the luminaire good thermal conductivity. The large-area

connections between the rear of the housing and the LED's PCB ensure good heat conduction.

System design in practice

Taking system design to its logical conclusion is a characteristic feature of ERCO products. It allows lighting tools which are very similar in design to be used for many different lighting tasks. This strategy makes a convincing argument not only from a design point of view, but also from a technical perspective.



Different housing colours

The luminaires are available in a variety of colours for perfect matching with the surroundings.



Different sizes

The luminaires in the ERCO product range cover a wide variety of lumen categories and therefore offer an appropriate solution for a large number of lighting tasks.



Small luminaire dimensions

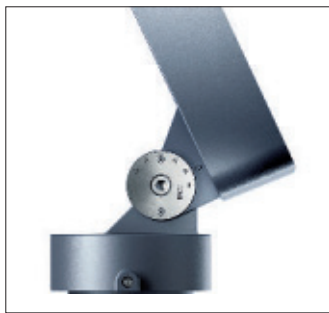
Small luminaires appear unobtrusive and direct the focus onto the light. Small luminaire dimensions are convenient particularly in compact spaces.



Projectors, floodlights and wallwashers Installation

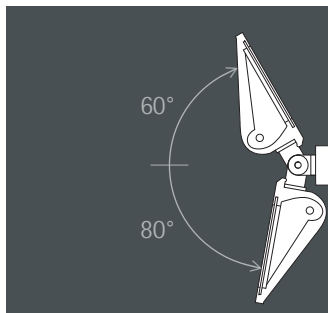
Focus on mounting and accessories

ERCO's differentiated product range has stood the test both in day-to-day applications and in special situations – from installation of the luminaires on façades or posts to satisfying the requirement of high protection modes.



Graduations for precision setting

The hinge with graduations facilitates precise alignment of the luminaires. It ensures quick and easy arrangement particularly of a row of luminaires with the exact same angle of tilt.



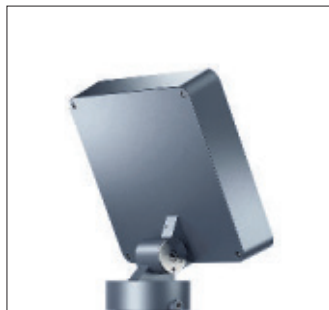
Tiltable

The luminaires can be adjusted precisely for optimum beam alignment. The light, as a result, is emitted exactly where you need it.



Lockable

The luminaire can be locked in position for secure fixing of the beam direction.



IP65

Protection mode IP65

The luminaires with mounting plate are rated to protection mode IP65. They are dust-tight and protected against strong jets of water from any direction.



IP44

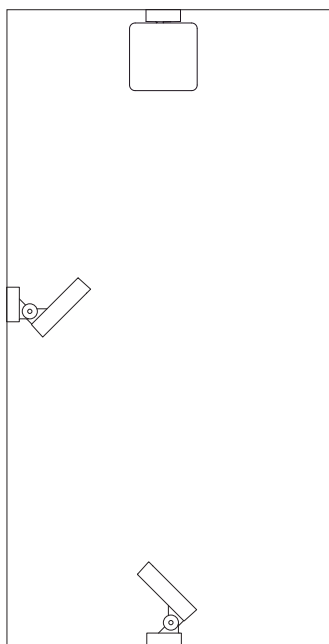
Protection mode IP44

The IP44 rating indicates protection against solid objects greater than 1mm and against splashing water from any direction. This includes versions with mounting plate.



Accessories for mounting versions

The ERCO system design allows for different mounting versions. Suitable products for your mounting situation can be found in the accessories overview.

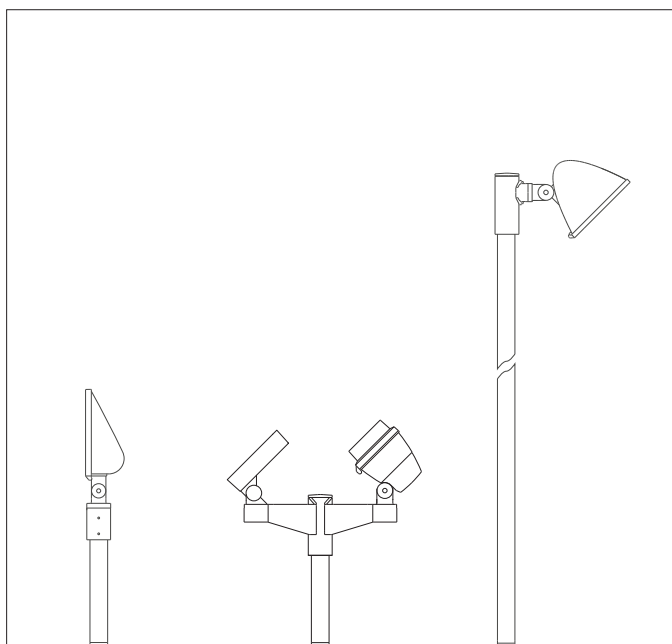


Luminaires with mounting plate

Versions with mounting plate can be mounted directly on structural members such as floor, wall or ceiling.

Luminaires with mounting bracket

Diverse accessories are available for mounting on upright supporting posts, poles or cantilever arms. These are suitable for versions with mounting brackets.



Projectors, floodlights and wallwashers Control

Switching and dimming projectors

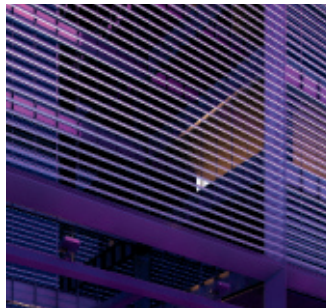
The optimum dimming behaviour of LEDs makes them ideal for integration in lighting control systems – for differentiated levels of brightness in qualitative lighting design concepts, for instance, or for efficient visual comfort using sensor technology. From a technical aspect, projectors offer various options: switching, dimming through trailing edge technology, and DALI control.



Switchable
Switchable luminaires can be switched on or off as required using manual switches or actuators.



Phase dimmable
Dimmable luminaires can be operated using external trailing-edge dimmers.



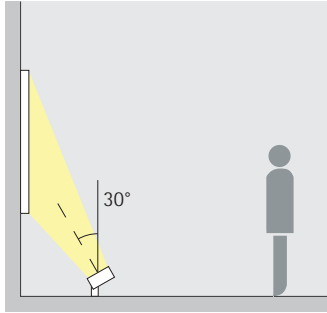
DALI dimmable
DALI dimmable luminaires are suitable for DALI based lighting control systems. Dimming enables the flexible setting of light scenes.



Projectors, floodlights and wallwashers Luminaire arrangement

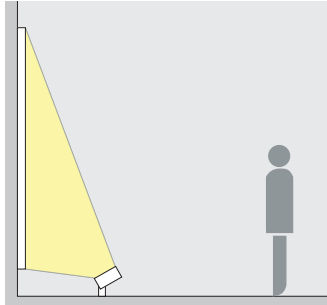
Accentuation

Experience has shown the ideal angle of tilt for accent lighting to be 30°. This ensures good modelling without excessive grazing light.



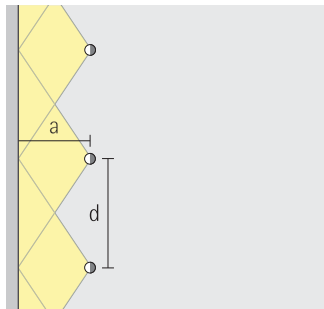
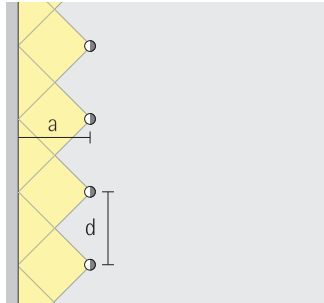
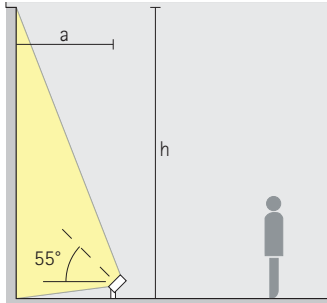
Washlighting

For washlighting purposes, luminaires are also best tilted at an angle of 30°.



Wallwashing

To achieve a uniform brightness distribution on the vertical plane, the luminaires need to be arranged correctly. The distance of the wallwashers from the wall should be around one third of the room height to ensure uniform light distribution in vertical direction. The luminaire spacing should generally be the same as the wall offset.

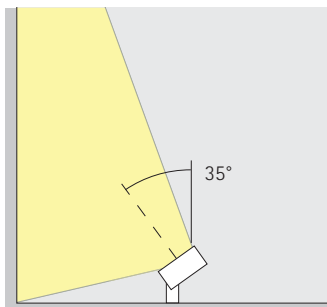


Large luminaire spacing

For some wallwashers, the luminaire spacing may be up to 1.5 times the offset from the wall. Appropriate details are provided in the wall-washer tables in the catalogue or the product data sheets. Computerised beam calculations are recommended to check potential intersections with side walls.

Wallwasher angle of tilt

Lens wallwashers need to be tilted. The product data sheets provide the optimum angle of tilt for uniform brightness distribution on the wall.



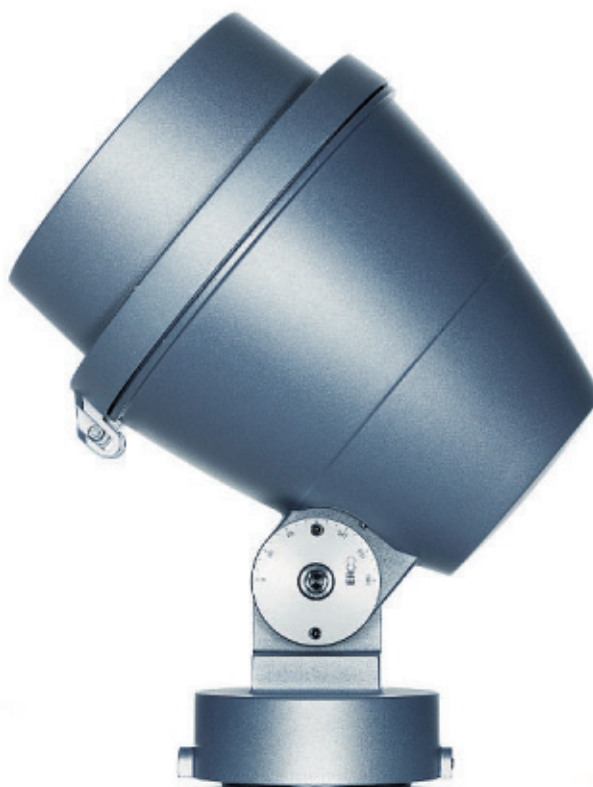
Mean illuminances E_n (wall)

Angle of tilt 35°				
Wall height (m)	8.0			
Offset from wall (m)	2.50	2.75	3.00	3.00
Luminaire spacing (m)	3.00	3.25	3.50	4.00
Illuminance E_n (lx)	127	111	98	85

The planning recommendations for wallwashers are designed to help you decide on the optimum luminaire arrangement. The table indicates the optimum wall height along with the appropriate offset from the wall and luminaire spacing as well

as the resulting illuminance. The indicated angle of tilt produces the highest level of uniformity for vertical illuminance. For individualised planning of the lighting concept, it is recommended to include the maintenance factor in the lighting

design and use the photometric data provided.



Maximum visual comfort for superior standards

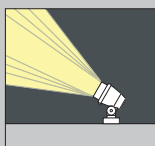
In a typical spotlight design, the Beamer range delivers efficient accentuation and floodlighting of outdoor areas.

Beamer stands for striking light effects for monuments, structures and vegetation. Protected by an exceptionally durable housing, the spotlight offers highly variable solutions for your lighting tasks. An additional snoot provides enhanced glare control for even higher levels of visual comfort and makes certain that the light shines only, and precisely, where it is needed. A wide range of mounting accessories

helps you install the Beamer wherever you need it. Thanks to the graduations on the hinge, the luminaire can be aligned with repetitive accuracy. The maintenance-free optoelectronics of the Beamer guarantee maximum efficiency to save our resources and result in lower operating costs.

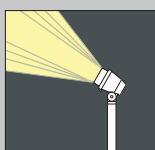


Accentuation
Emphasis of objects or architectural elements.

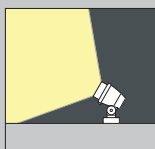


Projectors
Very narrow to very wide beam, rotationally symmetrical light distribution for accent lighting.

LED
4W - 48W
380lm - 6000lm
Light distribution: Narrow spot, Spot, Flood, Wide flood

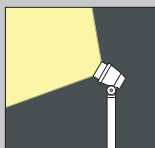


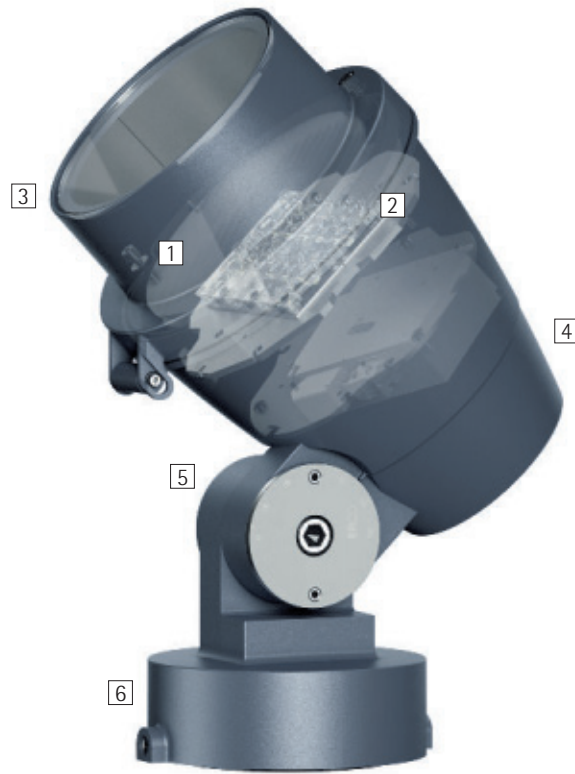
Washlighting
Wide-beam illumination of larger objects or spatial zones.



Floodlights
Axially symmetrical light distribution with flood characteristics produced by an oval beam for floodlighting.

LED
12W - 48W
1140lm - 6000lm
Light distribution: Oval flood





Structure and characteristics

The features described here are typical of products in this range. Special versions may offer additional or varying features. A comprehensive description of the features of individual products can be found on our ERCO Light Scout website. The direct links for quick access always take the same form:

www.erco.com/<article number>

Detailed information on the features is provided from page 486.

1 ERCO Spherolit lens

- Replacement without tools
- Light distributions: narrow spot, spot, flood, wide flood or oval flood
- Oval flood rotatable through 360°

2 ERCO LED module

- High-power LEDs on metal-core PCB
- Light colours: warm white or neutral white
- Collimating lens made of optical polymer

3 Snoot

- Corrosion-resistant cast aluminium, No-Rinse surface treatment
- Graphit m, double powder-coated
- Without spill light
- Safety glass

4 Housing

- Graphit m
- Corrosion-resistant cast aluminium, No-Rinse surface treatment
- Double powder-coated
- Optimised surface for reduced accumulation of dirt

Control gear:

- Switchable

5 Hinge

- Corrosion-resistant cast aluminium, No-Rinse surface treatment
- Graphit m, double powder-coated
- Internal wiring
- 130° tilt
- Graduated disc: corrosion-resistant aluminium

6 Mounting plate

- Corrosion-resistant cast aluminium, No-Rinse surface treatment
- Graphit m, double powder-coated
- 240° rotation

or

Mounting bracket

- For mounting on accessories
- Corrosion-resistant cast aluminium, No-Rinse surface treatment
- Graphit m, double powder-coated
- Mounting accessories to be ordered separately

Protection mode

- Luminaires with mounting plate: IP65 – Dust-tight and water jet-proof
- Luminaires with mounting bracket: IP44 – Protection against foreign objects >1mm and against splashes

Special characteristics



Oval flood can be freely rotated



Different sizes



Lockable



ERCO high-power LEDs



Efficient Spherolit technology



Different light distributions



Different light colours



Excellent thermal management



Graduations for precision setting



Tiltable 130°



Protection mode IP65



Protection mode IP44

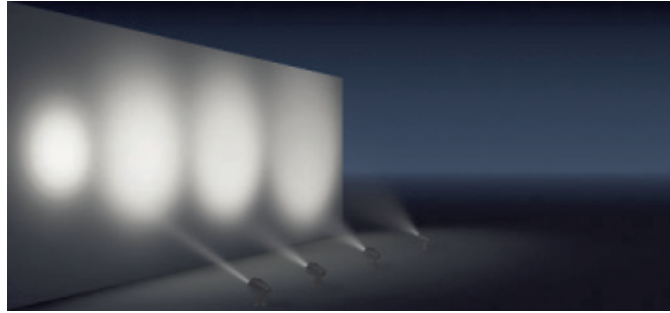
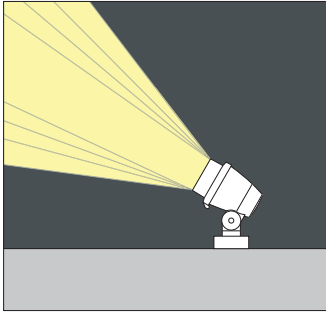


Accessories for mounting versions



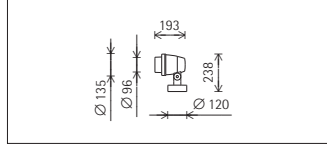
Switchable

Beamer Projector with mounting plate and LED

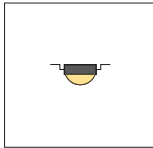


⏻ – switchable
Electronic control gear.

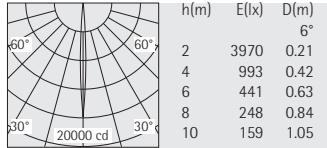
Wattage:
4W - 12W
380lm - 1500lm



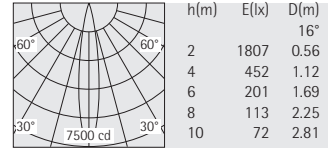
Weight 3.60kg



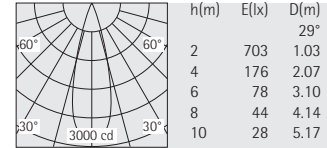
LED warm white
3000K
Version 3



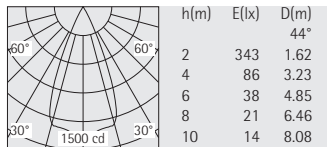
Spherolit lens, narrow spot
4W 380lm
Graphit m
34420.000 ⏻



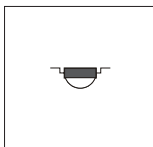
Spherolit lens, spot
12W 1140lm
Graphit m
34422.000 ⏻



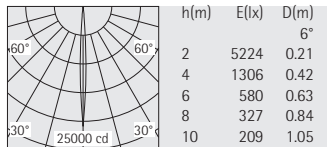
Spherolit lens, flood
12W 1140lm
Graphit m
34424.000 ⏻



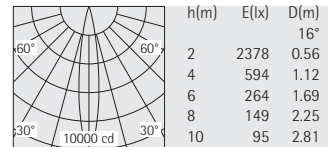
Spherolit lens, wide flood
12W 1140lm
Graphit m
34426.000 ⏻



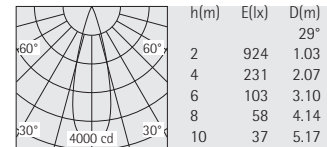
LED neutral white
4000K
Version 3



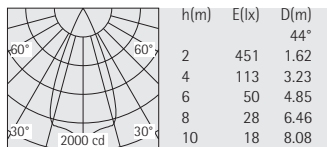
Spherolit lens, narrow spot
4W 500lm
Graphit m
34421.000 ⏻



Spherolit lens, spot
12W 1500lm
Graphit m
34423.000 ⏻



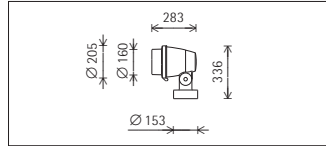
Spherolit lens, flood
12W 1500lm
Graphit m
34425.000 ⏻



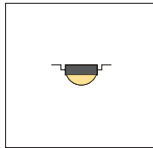
Spherolit lens, wide flood
12W 1500lm
Graphit m
34427.000 ⏻

Beamer Projector with mounting plate and LED

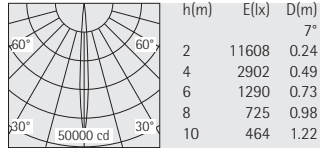
Wattage:
14W - 36W
1330lm - 4500lm



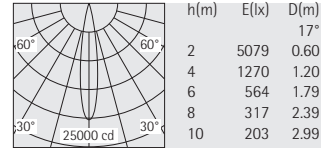
Weight 6.90kg



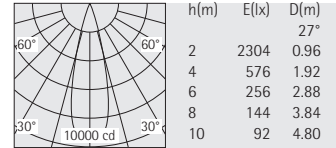
LED warm white
3000K
Version 3



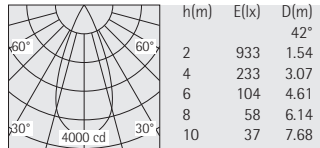
Spherolit lens, narrow spot
14W 1330lm
Graphit m
34400.000 ⏻



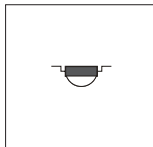
Spherolit lens, spot
36W 3420lm
Graphit m
34402.000 ⏻



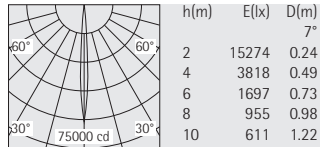
Spherolit lens, flood
36W 3420lm
Graphit m
34404.000 ⏻



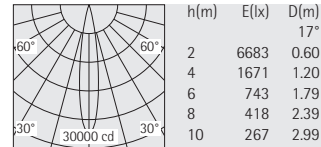
Spherolit lens, wide flood
36W 3420lm
Graphit m
34406.000 ⏻



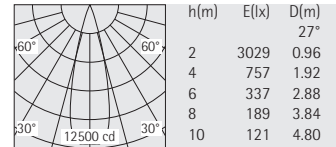
LED neutral white
4000K
Version 3



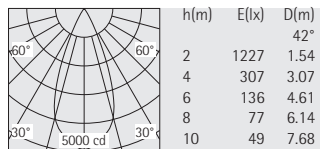
Spherolit lens, narrow spot
14W 1750lm
Graphit m
34401.000 ⏻



Spherolit lens, spot
36W 4500lm
Graphit m
34403.000 ⏻



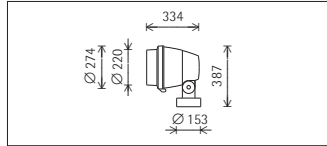
Spherolit lens, flood
36W 4500lm
Graphit m
34405.000 ⏻



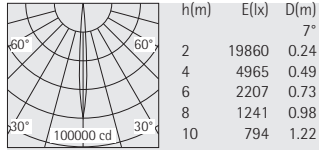
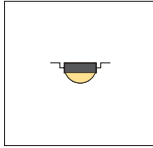
Spherolit lens, wide flood
36W 4500lm
Graphit m
34407.000 ⏻

Beamer Projector with mounting plate and LED

Wattage:
28W - 48W
2660lm - 6000lm

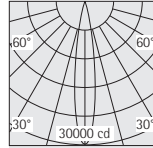


Weight 9.10kg

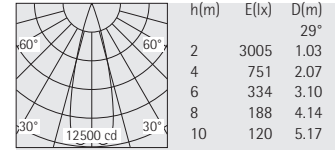


LED warm white
3000K
Version 3

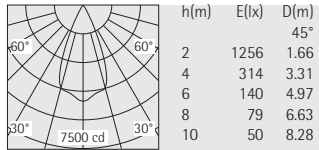
Spherolit lens, narrow spot
28W 2660lm
Graphit m
34410.000 ⏻



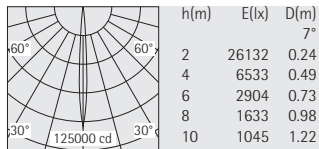
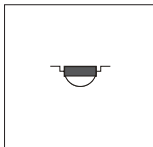
Spherolit lens, spot
48W 4560lm
Graphit m
34412.000 ⏻



Spherolit lens, flood
48W 4560lm
Graphit m
34414.000 ⏻

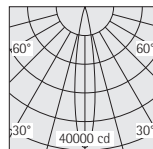


Spherolit lens, wide flood
48W 4560lm
Graphit m
34416.000 ⏻

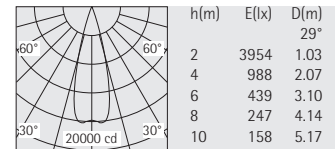


LED neutral white
4000K
Version 3

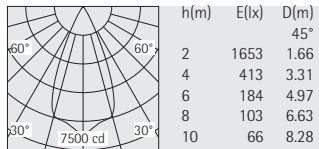
Spherolit lens, narrow spot
28W 3500lm
Graphit m
34411.000 ⏻



Spherolit lens, spot
48W 6000lm
Graphit m
34413.000 ⏻

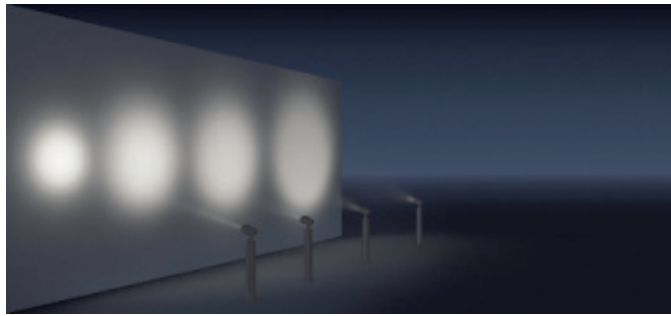
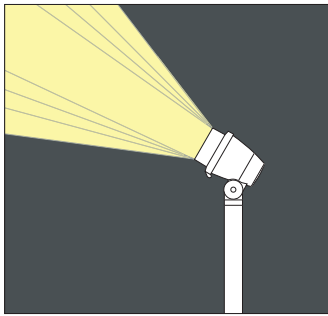


Spherolit lens, flood
48W 6000lm
Graphit m
34415.000 ⏻



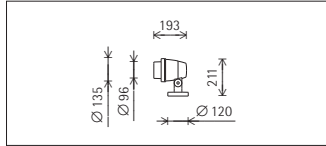
Spherolit lens, wide flood
48W 6000lm
Graphit m
34417.000 ⏻

Beamer Projector with mounting bracket and LED

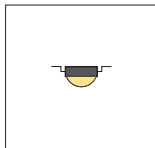


☺ – switchable
For mounting on accessories. Electronic control gear. Mounting accessories to be ordered separately.

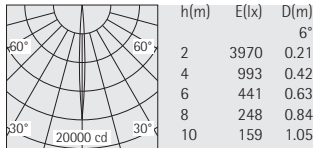
Wattage:
4W - 12W
380lm - 1500lm



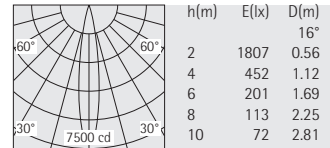
Weight 2.80kg



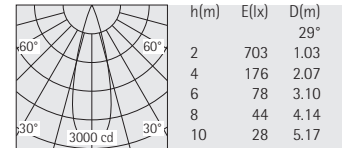
LED warm white
3000K
Version 3



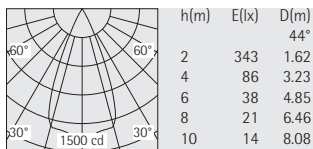
Spherolit lens, narrow spot
4W 380lm
Graphit m
34470.000 ☺



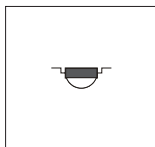
Spherolit lens, spot
12W 1140lm
Graphit m
34472.000 ☺



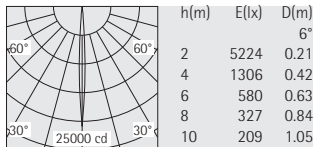
Spherolit lens, flood
12W 1140lm
Graphit m
34474.000 ☺



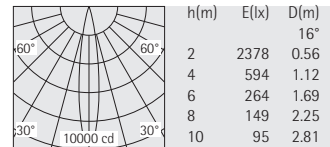
Spherolit lens, wide flood
12W 1140lm
Graphit m
34476.000 ☺



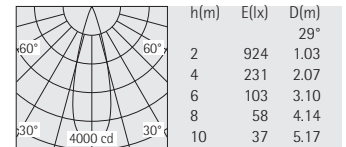
LED neutral white
4000K
Version 3



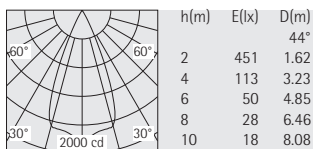
Spherolit lens, narrow spot
4W 500lm
Graphit m
34471.000 ☺



Spherolit lens, spot
12W 1500lm
Graphit m
34473.000 ☺



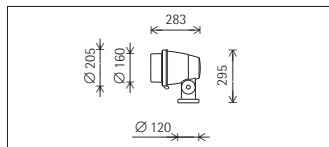
Spherolit lens, flood
12W 1500lm
Graphit m
34475.000 ☺



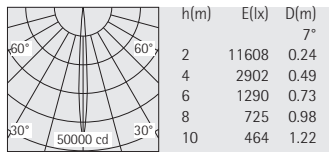
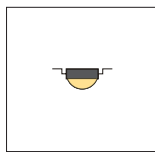
Spherolit lens, wide flood
12W 1500lm
Graphit m
34477.000 ☺

Beamer Projector with mounting bracket and LED

Wattage:
14W - 36W
1330lm - 4500lm

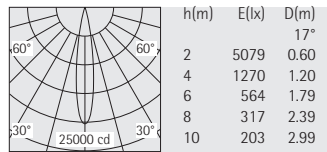


Weight 6.40kg

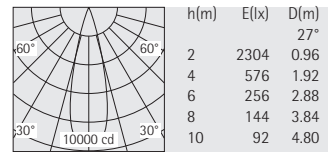


LED warm white
3000K
Version 3

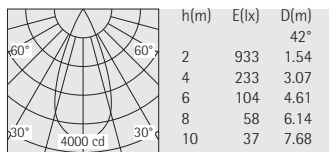
Spherolit lens, narrow spot
14W 1330lm
Graphit m
34450.000 ⏻



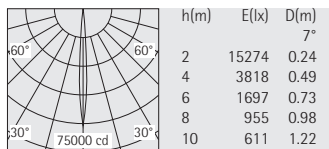
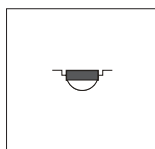
Spherolit lens, spot
36W 3420lm
Graphit m
34452.000 ⏻



Spherolit lens, flood
36W 3420lm
Graphit m
34454.000 ⏻

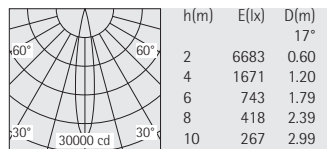


Spherolit lens, wide flood
36W 3420lm
Graphit m
34456.000 ⏻

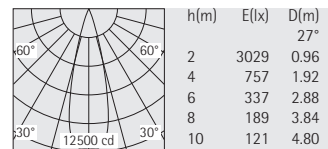


LED neutral white
4000K
Version 3

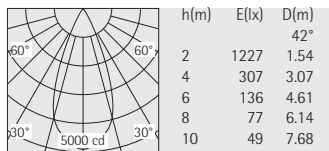
Spherolit lens, narrow spot
14W 1750lm
Graphit m
34451.000 ⏻



Spherolit lens, spot
36W 4500lm
Graphit m
34453.000 ⏻



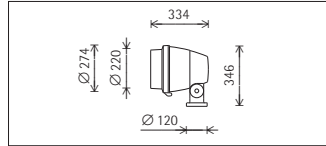
Spherolit lens, flood
36W 4500lm
Graphit m
34455.000 ⏻



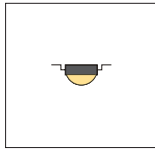
Spherolit lens, wide flood
36W 4500lm
Graphit m
34457.000 ⏻

Beamer Projector with mounting bracket and LED

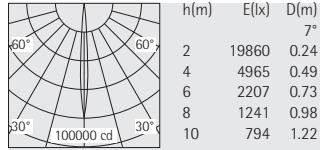
Wattage:
28W - 48W
2660lm - 6000lm



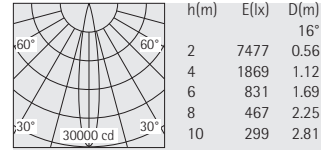
Weight 9.60kg



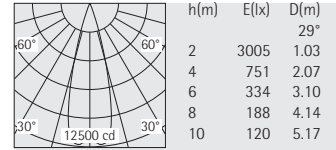
LED warm white
3000K
Version 3



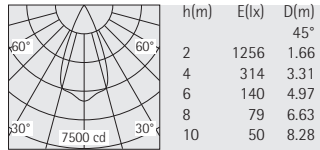
Spherolit lens, narrow spot
28W 2660lm
Graphit m
34460.000 ⏻



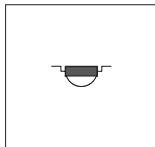
Spherolit lens, spot
48W 4560lm
Graphit m
34462.000 ⏻



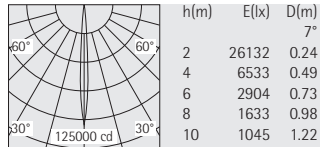
Spherolit lens, flood
48W 4560lm
Graphit m
34464.000 ⏻



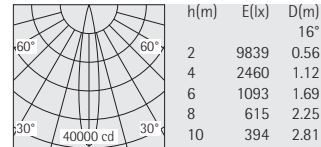
Spherolit lens, wide flood
48W 4560lm
Graphit m
34466.000 ⏻



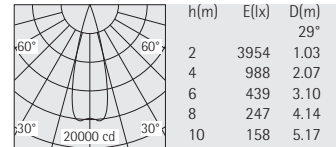
LED neutral white
4000K
Version 3



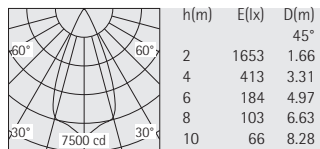
Spherolit lens, narrow spot
28W 3500lm
Graphit m
34461.000 ⏻



Spherolit lens, spot
48W 6000lm
Graphit m
34463.000 ⏻

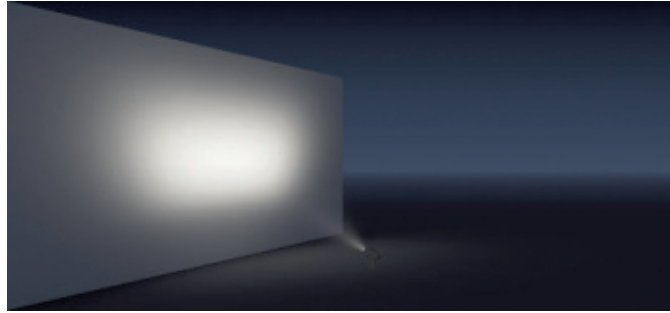
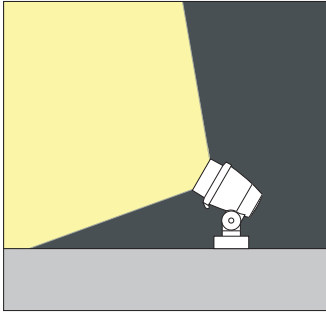


Spherolit lens, flood
48W 6000lm
Graphit m
34465.000 ⏻



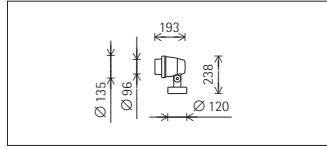
Spherolit lens, wide flood
48W 6000lm
Graphit m
34467.000 ⏻

Beamer Floodlight with mounting plate and LED

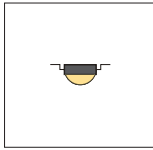


⏻ – switchable
Electronic control gear.

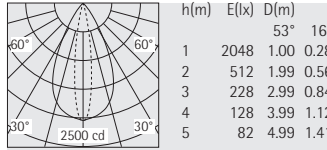
Wattage:
12W
1140lm - 1500lm



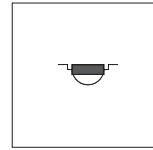
Weight 3.60kg



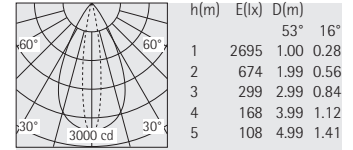
LED warm white
3000K
Version 3



Spherolit lens, oval flood
12W 1140lm
Graphit m
34428.000 ⏻

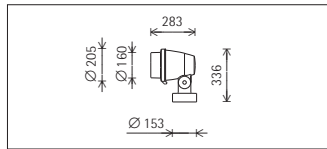


LED neutral white
4000K
Version 3

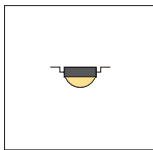


Spherolit lens, oval flood
12W 1500lm
Graphit m
34429.000 ⏻

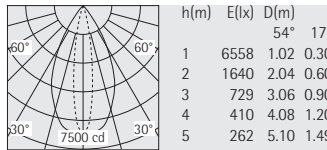
Wattage:
36W
3420lm - 4500lm



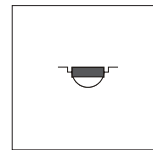
Weight 6.90kg



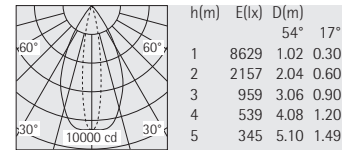
LED warm white
3000K
Version 3



Spherolit lens, oval flood
36W 3420lm
Graphit m
34408.000 ⏻

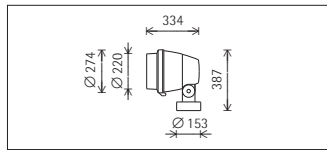


LED neutral white
4000K
Version 3

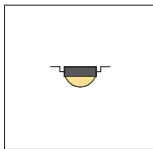


Spherolit lens, oval flood
36W 4500lm
Graphit m
34409.000 ⏻

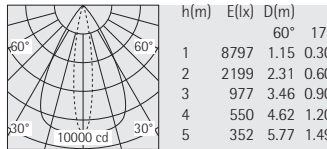
Wattage:
48W
4560lm - 6000lm



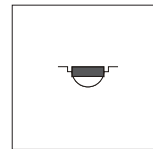
Weight 9.10kg



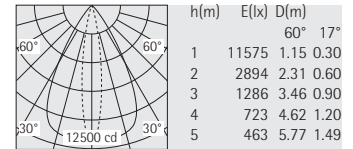
LED warm white
3000K
Version 3



Spherolit lens, oval flood
48W 4560lm
Graphit m
34418.000 ⏻

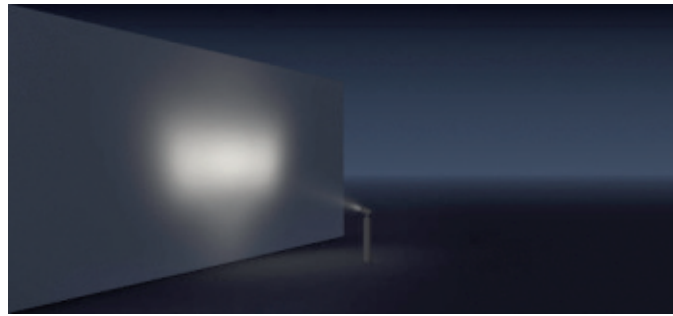
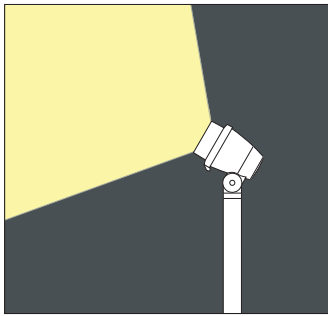


LED neutral white
4000K
Version 3



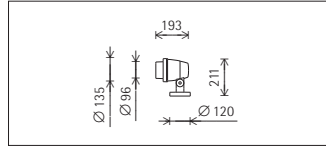
Spherolit lens, oval flood
48W 6000lm
Graphit m
34419.000 ⏻

Beamer Floodlight with mounting bracket and LED

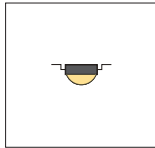


☰ – **switchable**
For mounting on accessories. Electronic control gear. Mounting accessories to be ordered separately.

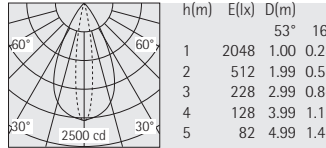
Wattage:
12W
1140lm - 1500lm



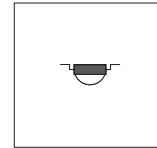
Weight 2.80kg



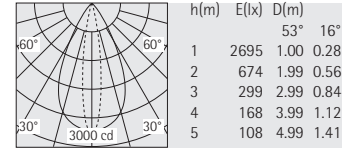
LED warm white
3000K
Version 3



Spherolit lens, oval flood
12W 1140lm
Graphit m
34478.000 ☰

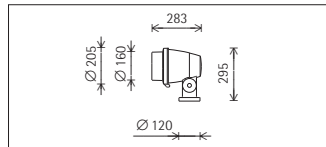


LED neutral white
4000K
Version 3

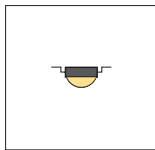


Spherolit lens, oval flood
12W 1500lm
Graphit m
34479.000 ☰

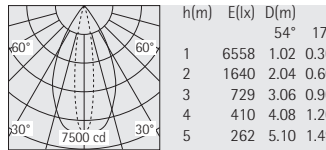
Wattage:
36W
3420lm - 4500lm



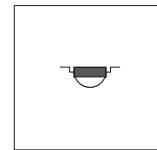
Weight 6.40kg



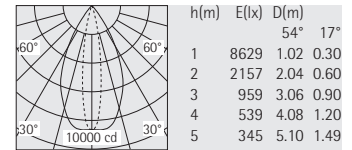
LED warm white
3000K
Version 3



Spherolit lens, oval flood
36W 3420lm
Graphit m
34458.000 ☰

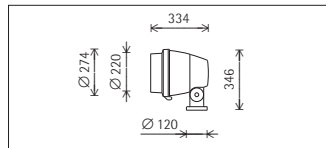


LED neutral white
4000K
Version 3

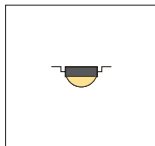


Spherolit lens, oval flood
36W 4500lm
Graphit m
34459.000 ☰

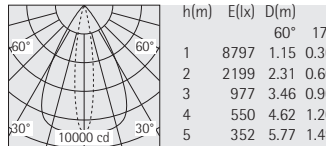
Wattage:
48W
4560lm - 6000lm



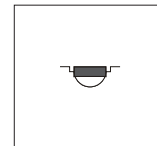
Weight 9.60kg



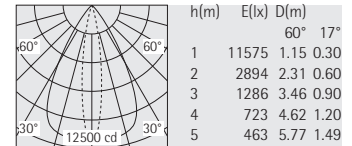
LED warm white
3000K
Version 3



Spherolit lens, oval flood
48W 4560lm
Graphit m
34468.000 ☰

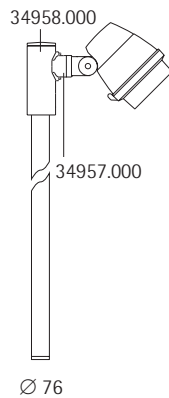
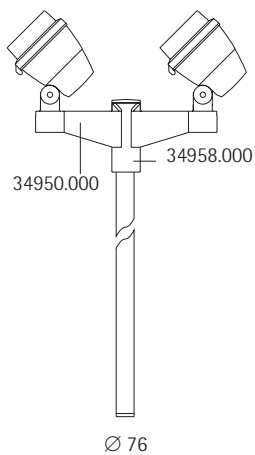
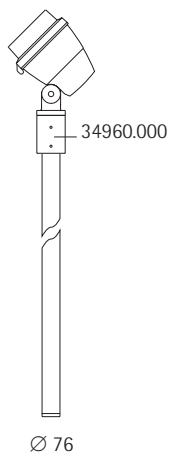
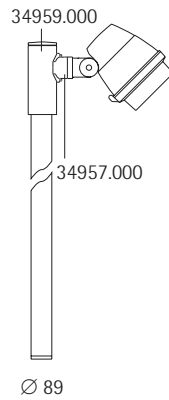
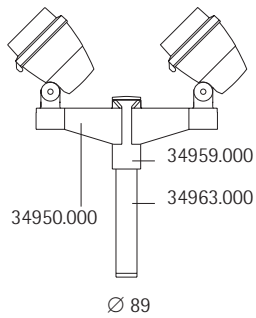
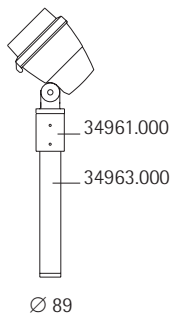
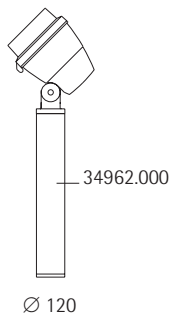


LED neutral white
4000K
Version 3

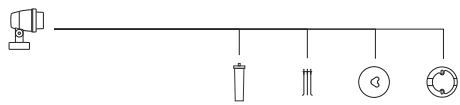


Spherolit lens, oval flood
48W 6000lm
Graphit m
34469.000 ☰

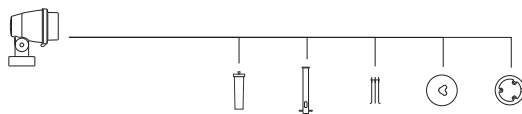
Beamer



Beamer Accessories

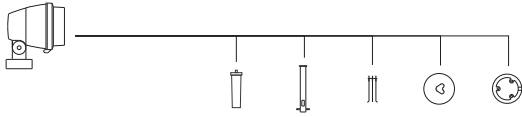


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34420.000	•	•	•	•
34421.000	•	•	•	•
34422.000	•	•	•	•
34423.000	•	•	•	•
34424.000	•	•	•	•
34425.000	•	•	•	•
34426.000	•	•	•	•
34427.000	•	•	•	•
34428.000	•	•	•	•
34429.000	•	•	•	•

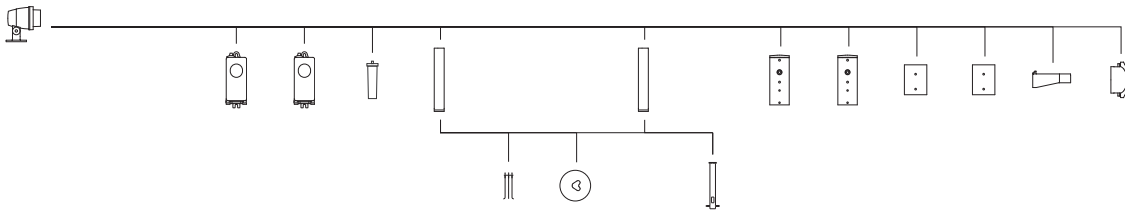


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34400.000	•	•	•	•	•
34401.000	•	•	•	•	•
34402.000	•	•	•	•	•
34403.000	•	•	•	•	•
34404.000	•	•	•	•	•
34405.000	•	•	•	•	•
34406.000	•	•	•	•	•
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34408.000	•	•	•	•	•
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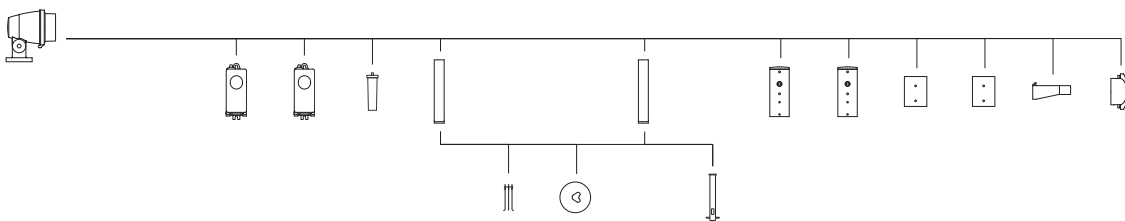
Beamer Accessories



	34974.000	33974.000	33981.000	33982.000	34991.000
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34411.000	•	•	•	•	•
34412.000	•	•	•	•	•
34413.000	•	•	•	•	•
34414.000	•	•	•	•	•
34415.000	•	•	•	•	•
34416.000	•	•	•	•	•
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34419.000	•	•	•	•	•

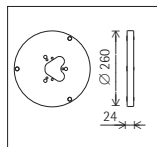


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34470.000	•	•	•	•	•	•	•	•	•	•	•	•	•	•
34471.000	•	•	•	•	•	•	•	•	•	•	•	•	•	•
34472.000	•	•	•	•	•	•	•	•	•	•	•	•	•	•
34473.000	•	•	•	•	•	•	•	•	•	•	•	•	•	•
34474.000	•	•	•	•	•	•	•	•	•	•	•	•	•	•
34475.000	•	•	•	•	•	•	•	•	•	•	•	•	•	•
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34477.000	•	•	•	•	•	•	•	•	•	•	•	•	•	•
34478.000	•	•	•	•	•	•	•	•	•	•	•	•	•	•
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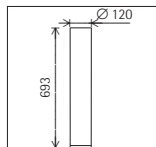


	34964.000	34965.000	34974.000	34962.000	33980.000	33982.000	34963.000	33975.000	34958.000	34959.000	34960.000	34961.000	34950.000	34957.000
34450.000	•	•	•	•	•	•	•	•	•	•	•	•	•	•
34451.000	•	•	•	•	•	•	•	•	•	•	•	•	•	•
34452.000	•	•	•	•	•	•	•	•	•	•	•	•	•	•
34453.000	•	•	•	•	•	•	•	•	•	•	•	•	•	•
34454.000	•	•	•	•	•	•	•	•	•	•	•	•	•	•
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34456.000	•	•	•	•	•	•	•	•	•	•	•	•	•	•
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34458.000	•	•	•	•	•	•	•	•	•	•	•	•	•	•
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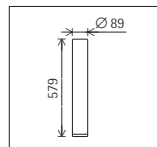
Beamer Accessories



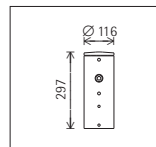
33982.000
Mounting plate
Corrosion-resistant cast aluminium, No-Rinse surface treatment. Graphit m, double powder-coated.
Weight 1.70kg



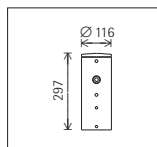
34962.000
Post
Metal, hot-dip galvanised. Graphit m, double powder-coated.
Mounting plate: metal.
5-pole terminal block for cable 5x2.5mm². Through-wiring possible.
3-pole terminal block for control line.
Luminaire rotatable through 360°.
Protection mode IP44 in connection with mounted luminaire.
Weight 5.60kg



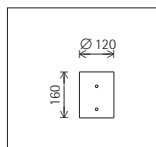
34963.000
Post
for adapter sleeves.
Metal, hot-dip galvanised. Graphit m, double powder-coated.
Mounting plate: metal.
5-pole terminal block for cable 5x2.5mm². Through-wiring possible.
IP44 protection mode when used with relevant accessories.
Not for concrete anchor 33980.000 and mounting plate 33982.000.
Weight 1.50kg



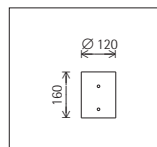
34958.000
Adapter sleeve
for poles \varnothing 76mm and cantilever arms.
Housing and cover: corrosion-resistant cast aluminium, No-Rinse surface treatment. Graphit m, double powder-coated. Screw fixing.
Terminal block 5x2,5mm². Through-wiring possible. 2 cable entries for cantilever arms.
Protection mode IP44 only with accessories.
Cantilever arms to be ordered separately.
Poles \varnothing 76mm to be ordered separately.
Weight 3.80kg



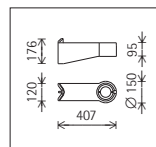
34959.000
Adapter sleeve
for posts \varnothing 89mm and cantilever arms.
Housing and cover: corrosion-resistant cast aluminium, No-Rinse surface treatment. Graphit m, double powder-coated. Screw fixing.
Terminal block 5x2,5mm². Through-wiring possible. 2 cable entries for cantilever arms.
Protection mode IP44 only with accessories.
Posts \varnothing 89mm and cantilever arms to be ordered separately.
Weight 3.20kg



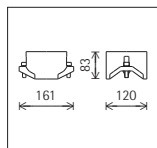
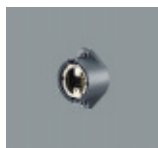
34960.000
Adapter sleeve
for poles \varnothing 76mm.
Housing: corrosion-resistant cast aluminium, No-Rinse surface treatment. Graphit m, double powder-coated. Screw fixing.
3-pole terminal block for control line. Through-wiring possible.
Luminaire rotatable through 360°.
Protection mode IP44 only with mounted luminaire.
Weight 2.55kg



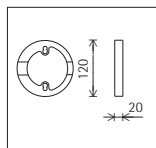
34961.000
Adapter sleeve
for posts \varnothing 89mm.
Housing: corrosion-resistant cast aluminium, No-Rinse surface treatment. Graphit m, double powder-coated. Screw fixing.
3-pole terminal block for control line. Through-wiring possible.
Luminaire rotatable through 360°.
Protection mode IP44 only with mounted luminaire.
Weight 1.95kg



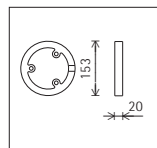
34950.000
Cantilever arm
For mounting on adapter sleeve or wall.
For standing luminaire installation.
Housing: corrosion-resistant cast aluminium, No-Rinse surface treatment. Graphit m, double powder-coated.
Inspection cover: corrosion-resistant aluminium, double powder-coated in graphit m.
1 cable entry. 3-pole terminal block for control line.
Luminaire rotatable through 360°.
Protection mode IP44 in connection with mounted luminaire.
Weight 3.55kg



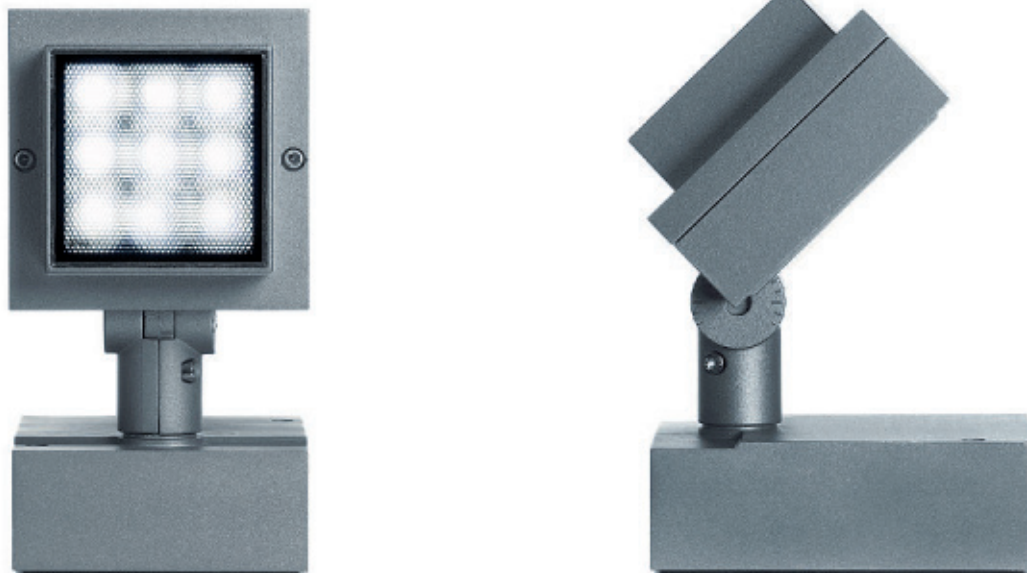
34957.000
Side-mounted sleeve
For mounting on adapter sleeve.
Housing: corrosion-resistant cast aluminium, No-Rinse surface treatment. Graphit m, double powder-coated.
1 cable entry. 3-pole terminal block for control line.
Luminaire rotatable through 360°.
Protection mode IP65 only with mounted luminaire.
Weight 0.90kg



34990.000
Spacer
for surface-mounted cables.
Corrosion-resistant cast aluminium, No-Rinse surface treatment. Graphit m, double powder-coated.
Weight 0.16kg



34991.000
Spacer
for surface-mounted cables.
Corrosion-resistant cast aluminium, No-Rinse surface treatment. Graphit m, double powder-coated.
Weight 0.23kg



Small and mighty

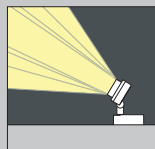
Grasshopper luminaires deliver accent lighting, floodlighting and wallwashing for outdoor areas.

A prominent architectural detail, Grasshopper is designed for versatile use in the outdoor area. Whether it's accentuating information signs and objects or floodlighting trees or walls – you will find the right light distribution for every task. Their aluminium housing is exceptionally weather-resistant and can be mounted in any position. The luminaire head can be tilted and rotated in any direction.

Maintenance-free optoelectronics guarantee maximum efficiency to help save our resources and so lower the operating costs. Precise photometrics prevent spill light as a further eco-friendly factor.



Accentuation
Emphasis of objects or architectural elements.



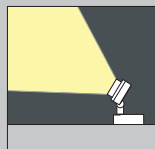
Projectors
Very narrow to very wide beam, rotationally symmetrical light distribution for accent lighting.

LED
8W - 18W
760lm - 2250lm
Light distribution: Narrow spot, Spot, Flood, Wide flood

LED varychrome
10W
375lm
Light distribution: Spot



Washlighting
Wide-beam illumination of larger objects or spatial zones.

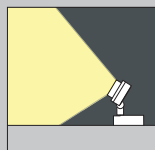


Floodlights
Axially symmetrical light distribution with flood characteristics produced by an oval beam for floodlighting.

LED
12W - 18W
1140lm - 2250lm
Light distribution: Oval flood

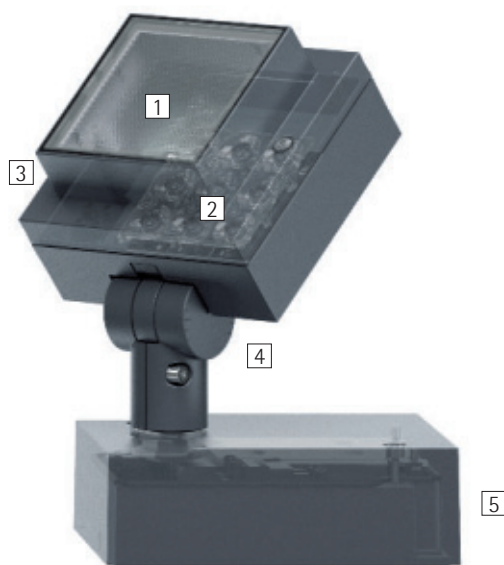


Wallwashing
Vertical illuminance for brightening the surroundings and segmenting the exterior landscape.



Lens wallwashers
Asymmetrical light distribution for highly uniform wallwashing.

LED
12W - 18W
1140lm - 2250lm
Light distribution: Wallwash



Structure and characteristics

The features described here are typical of products in this range. Special versions may offer additional or varying features. A comprehensive description of the features of individual products can be found on our ERCO Light Scout website. The direct links for quick access always take the same form:

www.erco.com/<article number>

Detailed information on the features is provided from page 486.

1 ERCO Spherolit lens

- Light distributions: narrow spot, spot, flood, wide flood, oval flood or wallwash
- Oval flood adjustable through 90°

2 ERCO LED module

- High-power LEDs on metal-core PCB
- Light colours: warm white, neutral white or varychrome RGBW
- Collimating lens made of optical polymer

3 Compact light head

- Corrosion-resistant cast aluminium, No-Rinse surface treatment
- Graphit m, double powder-coated
- Non-reflective safety glass

4 Housing and hinge

- Corrosion-resistant cast aluminium, No-Rinse surface treatment
- Graphit m, double powder-coated
- Optimised surface for reduced accumulation of dirt
- 130° tilt, rotatable through 360°
- Hinge with scale and internal wiring

5 Mounting plate

- Corrosion-resistant cast aluminium, No-Rinse surface treatment
- Graphit m, double powder-coated
- Optimised surface for reduced accumulation of dirt

Control gear:

- Switchable or DALI dimmable

Protection mode IP65

Dust-tight and water jet-proof

Special characteristics

 Coloured light

 Small luminaire dimensions



ERCO high-power LEDs



Efficient Spherolit technology



Different light distributions



Different light colours



Excellent thermal management



Graduations for precision setting



Tilttable 130°



Protection mode IP65

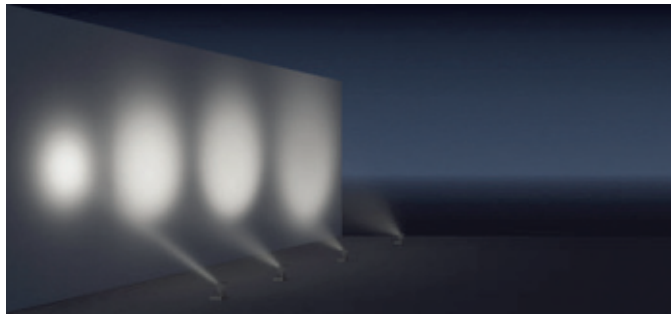
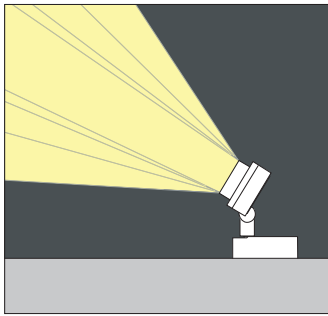


Switchable



DALI dimmable

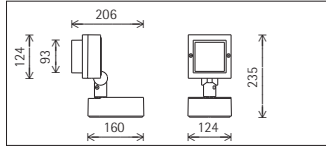
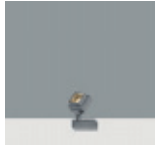
Grasshopper Projector with LED



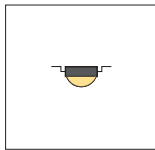
☺ – switchable
Electronic control gear.

DALI – dimmable
DALI control gear.

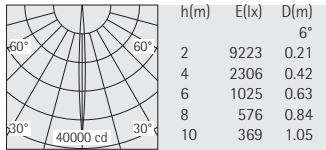
Wattage:
8W - 18W
375lm - 2250lm



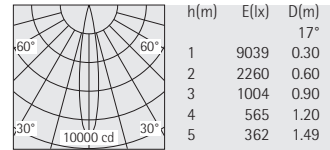
Weight 2.30kg



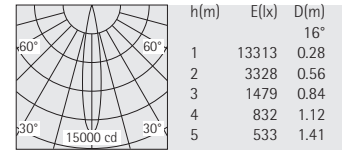
LED warm white
3000K
Version 6



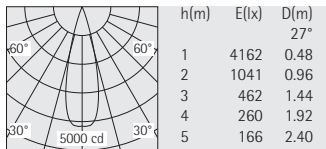
Spherolit lens, narrow spot
8W 760lm
Graphit m
34085.000 ☺
34087.000 DALI



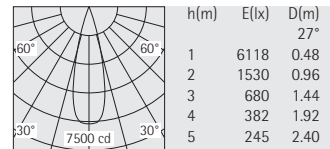
Spherolit lens, spot
12W 1140lm
Graphit m
34030.000 ☺
34038.000 DALI



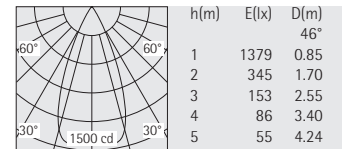
Spherolit lens, spot
18W 1710lm
Graphit m
34089.000 ☺



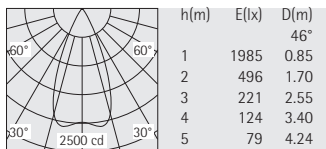
Spherolit lens, flood
12W 1140lm
Graphit m
34035.000 ☺
34040.000 DALI



Spherolit lens, flood
18W 1710lm
Graphit m
34091.000 ☺

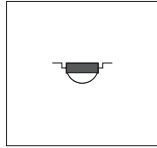


Spherolit lens, wide flood
12W 1140lm
Graphit m
34037.000 ☺
34042.000 DALI

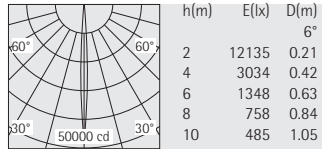


Spherolit lens, wide flood
18W 1710lm
Graphit m
34093.000 ☺

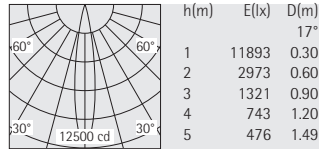
Grasshopper Projector with LED



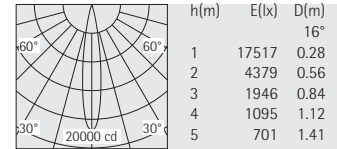
LED neutral white
4000K
Version 6



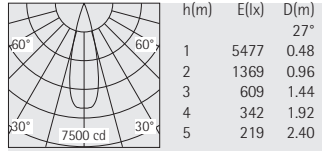
Spherolit lens, narrow spot
8W 1000lm
Graphit m
34084.000 ⏻
34086.000 DALI



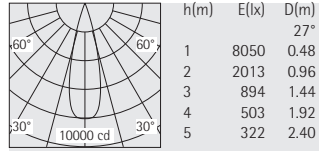
Spherolit lens, spot
12W 1500lm
Graphit m
34021.000 ⏻
34039.000 DALI



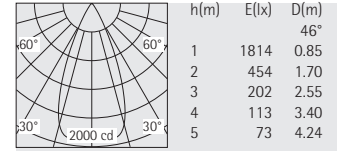
Spherolit lens, spot
18W 2250lm
Graphit m
34088.000 ⏻



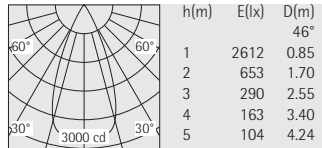
Spherolit lens, flood
12W 1500lm
Graphit m
34034.000 ⏻
34041.000 DALI



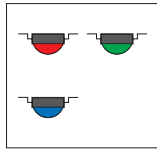
Spherolit lens, flood
18W 2250lm
Graphit m
34090.000 ⏻



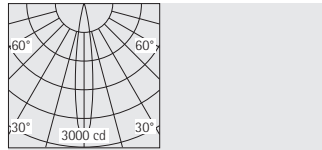
Spherolit lens, wide flood
12W 1500lm
Graphit m
34036.000 ⏻
34043.000 DALI



Spherolit lens, wide flood
18W 2250lm
Graphit m
34092.000 ⏻



LED red, green,
blue
Version 2

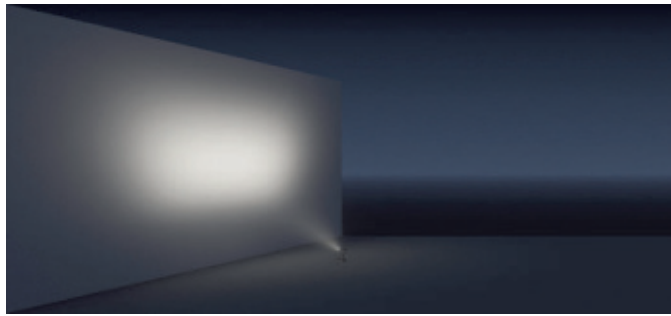
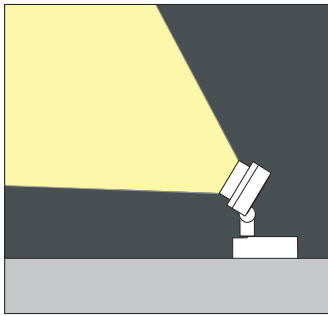


Spherolit lens, spot
10W 375lm
Graphit m
34029.000 DALI



Rotherhithe East
London Line Station,
London.
Architect: Wicak
Sosna, London.
Electrical engineering:
McLellan,
West Byfleet.

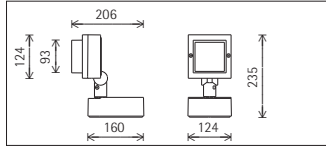
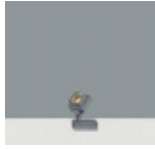
Grasshopper Floodlight with LED



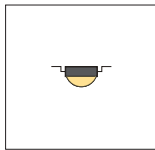
⏻ – switchable
Electronic control gear.

DALI – dimmable
DALI control gear.

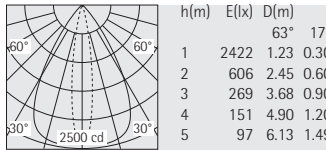
Wattage:
12W - 18W
1140lm - 2250lm



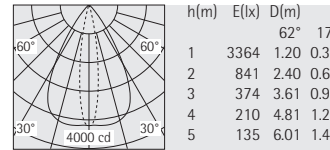
Weight 2.30kg



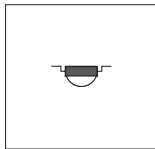
LED warm white
3000K
Version 6



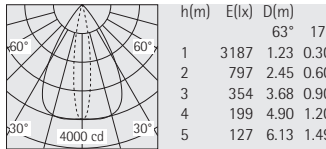
Spherolit lens, oval flood
12W 1140lm
Graphit m
34045.000 ⏻
34015.000 DALI



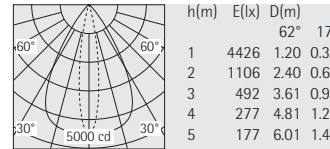
Spherolit lens, oval flood
18W 1710lm
Graphit m
34095.000 ⏻



LED neutral white
4000K
Version 6



Spherolit lens, oval flood
12W 1500lm
Graphit m
34044.000 ⏻
34014.000 DALI

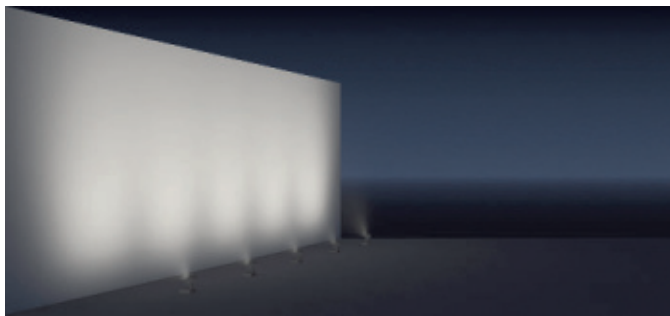
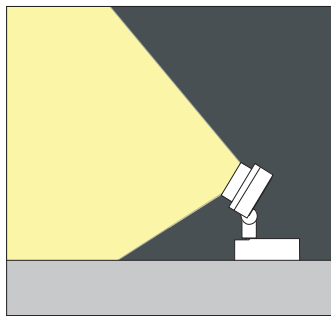


Spherolit lens, oval flood
18W 2250lm
Graphit m
34094.000 ⏻

Piazza Lorenzo Berziera, Salsomaggiore Terme. Architect: Arch. Emilio Faroldi, Parma.



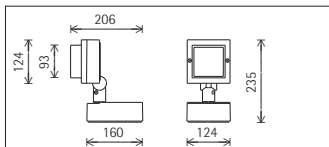
Grasshopper Lens wallwasher with LED



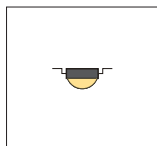
⏻ – **switchable**
Electronic control gear.

DALI – dimmable
DALI control gear.

Wattage:
12W - 18W
1140lm - 2250lm



Weight 2.30kg



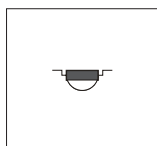
LED warm white
3000K
Version 6

Mean illuminance E_n (wall)
Angle of tilt 35°
Wall height (m) 4.0
Offset from wall (m) 1.25 1.50 1.75
Luminaire spacing (m) 1.25 1.50 1.75
Illuminance E_n (lx) **142 105 80**

Spherolit lens, wallwash
12W 1140lm
Graphit m
34047.000 ⏻
34017.000 DALI

Mean illuminance E_n (wall)
Angle of tilt 35°
Wall height (m) 6.0
Offset from wall (m) 1.75 2.00 2.00 2.25
Luminaire spacing (m) 1.75 2.00 2.25 2.25
Illuminance E_n (lx) **96 79 70 66**

Spherolit lens, wallwash
18W 1710lm
Graphit m
34097.000 ⏻



LED neutral white
4000K
Version 6

Mean illuminance E_n (wall)
Angle of tilt 35°
Wall height (m) 4.0
Offset from wall (m) 1.25 1.50 1.75
Luminaire spacing (m) 1.25 1.50 1.75
Illuminance E_n (lx) **187 139 105**

Spherolit lens, wallwash
12W 1500lm
Graphit m
34046.000 ⏻
34016.000 DALI

Mean illuminance E_n (wall)
Angle of tilt 35°
Wall height (m) 6.0
Offset from wall (m) 1.75 2.00 2.00 2.25
Luminaire spacing (m) 1.75 2.00 2.25 2.25
Illuminance E_n (lx) **127 104 93 86**

Spherolit lens, wallwash
18W 2250lm
Graphit m
34096.000 ⏻

Grasshopper Accessories

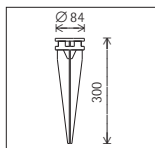
Suitable accessories for each article are indicated on the relevant product specification sheet. Product specification sheets are available in ERCO's Light Scout at: www.erco.com/<article number>



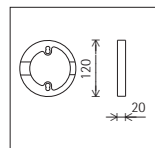
34974.000
Distribution box,
IP68
With four cable
entries, 7-25mm.
Plastic.
ø 102mm,
L 305mm.
Weight 0.47kg



33973.000
Ground spike
Metal, hot-dip galvanised.
Cable entry.
Weight 0.48kg



34990.000
Spacer
for surface-mounted cables.
Corrosion-resistant cast aluminium,
No-Rinse surface treatment. Graphit m,
double powder-coated.
Weight 0.16kg





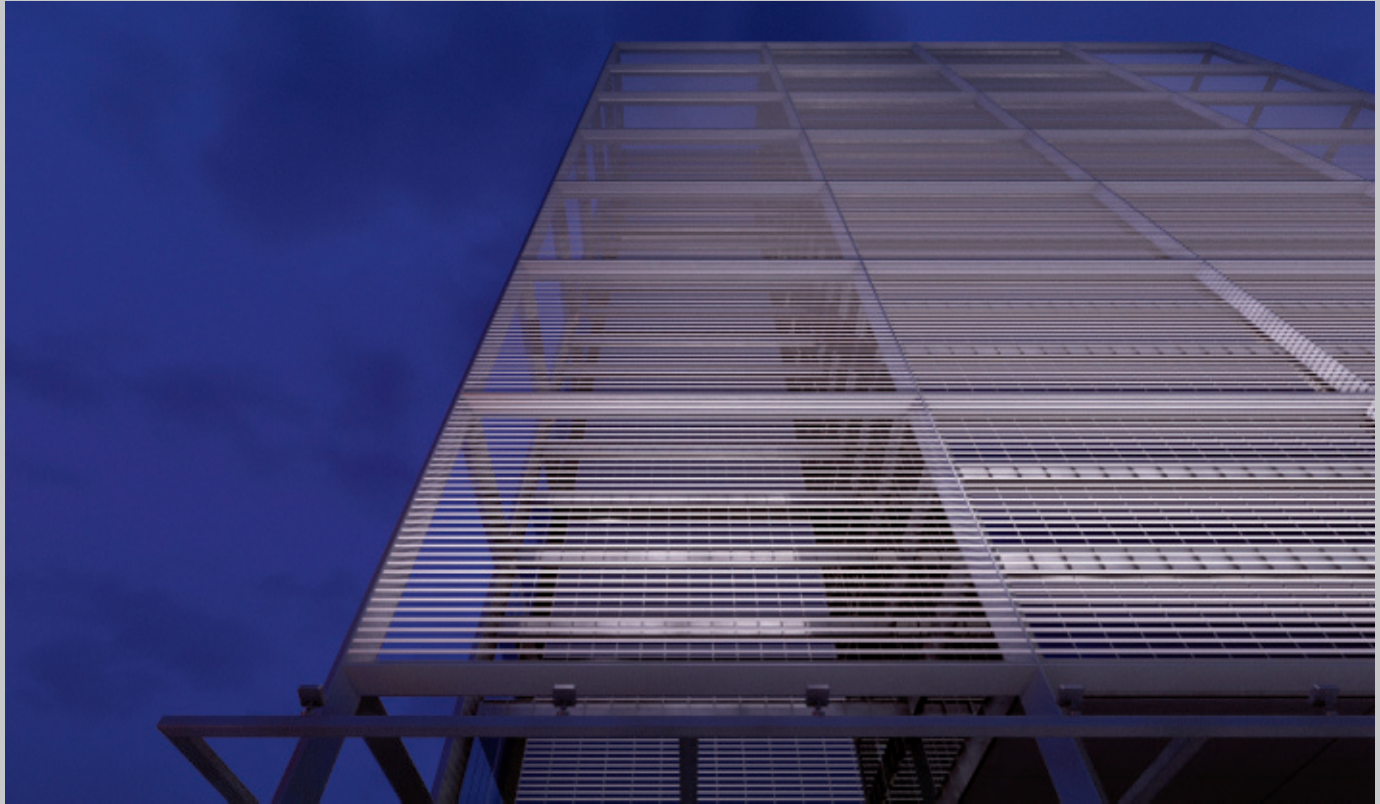
Latest generation projectors

Lightscan for sophisticated lighting tasks in outdoor areas

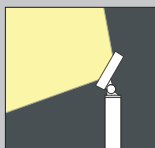
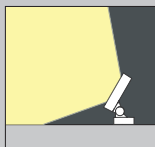
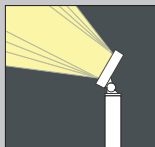
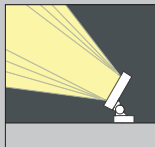
Lightscan lends a new flair to outdoor lighting, yet cuts an equally fine figure indoors where applications call for a higher protection mode. Elegant look and highly efficient photometrics join to form a perfect symbiosis. Its high levels of luminous flux enable the illumination of buildings, walls or objects even where these are exceptionally tall or offer few options to position the projectors. A wide range of light

distributions ensures that the light is projected only where it's needed. Lightscan is exceptionally weather-resistant, as its slim silhouette blends harmoniously with the surroundings. Its cover glass as a contributing factor looks the part, elegantly providing reliable protection, but is also most easy to clean. An extensive range of mounting hardware means the Lightscan effortlessly fulfils the different requirements

of its environment making it a versatile tool in lighting design. Maintenance-free optoelectronics guarantee maximum efficiency to help save our resources and so lower the operating costs.



Accentuation
Emphasis of objects or architectural elements.

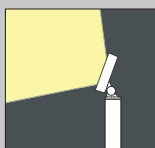
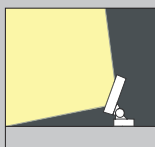


Projectors
Very narrow to very wide beam, rotationally symmetrical light distribution for accent lighting.

LED
18W - 96W
1710lm - 12000lm
Light distribution: Narrow spot, Spot, Flood, Wide flood

LED varychrome
30W
960lm
Light distribution: Spot, Flood, Wide flood

Washlighting
Wide-beam illumination of larger objects or spatial zones.

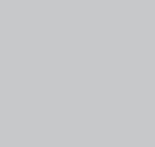
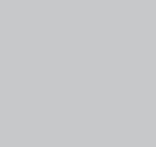


Floodlights
Axially symmetrical light distribution with flood characteristics produced by an oval beam for floodlighting.

LED
48W - 96W
4560lm - 12000lm
Light distribution: Oval flood

LED varychrome
30W
960lm
Light distribution: Oval flood

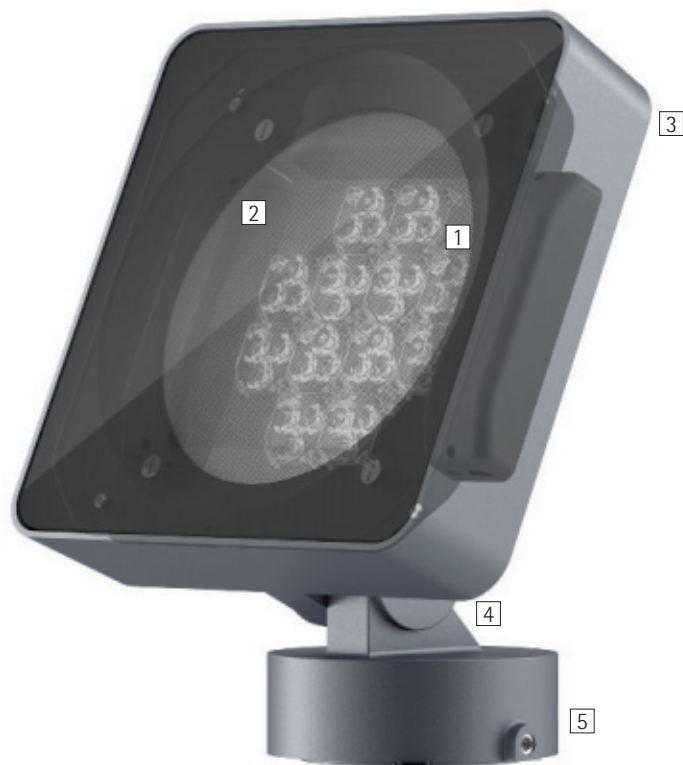
Wallwashing
Vertical illuminance for brightening the surroundings and segmenting the exterior landscape.



Lens wallwashers
Asymmetrical light distribution for highly uniform wallwashing.

LED
48W - 96W
4560lm - 12000lm
Light distribution: Wallwash

LED varychrome
30W
960lm
Light distribution: Wallwash



Structure and characteristics

The features described here are typical of products in this range. Special versions may offer additional or varying features. A comprehensive description of the features of individual products can be found on our ERCO Light Scout website. The direct links for quick access always take the same form:

www.ercos.com/<article number>

Detailed information on the features is provided from page 486.

1 ERCO Spherolit lens

- Light distributions: narrow spot, spot, flood, wide flood, oval flood or wallwash
- Oval flood 360° rotation

2 ERCO LED module

- High-power LEDs on metal-core PCB
- Light colours: warm white, neutral white or varychrome RGBW
- Collimating lens made of optical polymer
- Varychrome with highly reflective colour mixer

3 Housing

- Graphit m
- Corrosion-resistant cast aluminium, No-Rinse surface treatment
- Double powder-coated
- Optimised surface for reduced accumulation of dirt
- Cover frame: black powder-coated
- Safety glass
- Control gear:**
- Switchable or DALI dimmable

4 Hinge

- Corrosion-resistant cast aluminium, No-Rinse surface treatment
- Graphit m, double powder-coated
- Internal wiring
- 90° tilt
- Graduated disc: corrosion-resistant aluminium

5 Mounting plate

- Corrosion-resistant cast aluminium, No-Rinse surface treatment
- Graphit m, double powder-coated
- 240° rotation

or

Mounting bracket

- For mounting on accessories
- Corrosion-resistant cast aluminium, No-Rinse surface treatment
- Graphit m, double powder-coated
- Mounting accessories to be ordered separately

Protection mode

- Luminaires with mounting plate: IP65 – Dust-tight and water jet-proof
- Luminaires with mounting bracket: IP44 – Protection against foreign objects >1mm and against splashes

Special characteristics



Oval flood can be freely rotated



Coloured light



Different sizes



Lockable



Large luminaire spacing for wallwashing



ERCO high-power LEDs



Efficient Spherolit technology



Different light distributions



Different light colours



Excellent thermal management



Graduations for precision setting



Tiltable 90°



Protection mode IP65



Protection mode IP44



Accessories for mounting versions

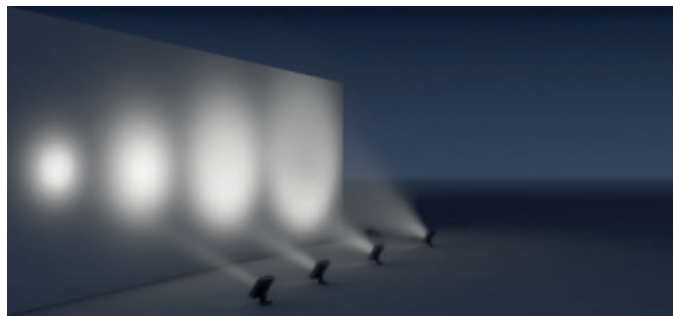
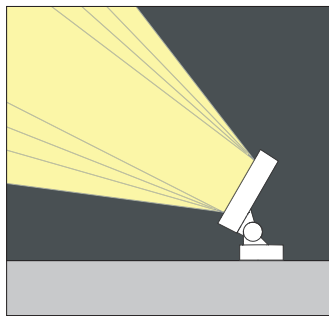


Switchable



DALI dimmable

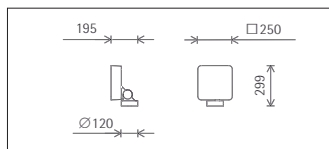
Lightscan Projector with mounting plate and LED



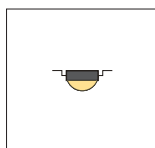
☰ – switchable
Electronic control gear.

DALI – dimmable
DALI control gear.

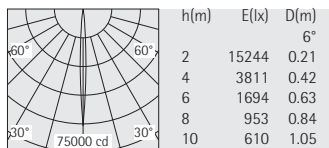
Wattage:
18W - 48W
960lm - 6000lm



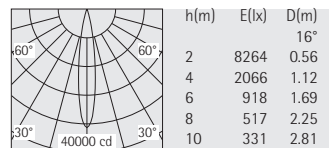
Weight 5.60kg - 6.20kg



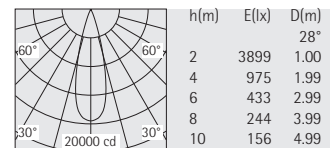
LED warm white
3000K
Version 1



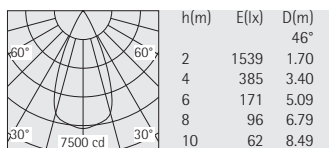
Spherolit lens, narrow spot
18W 1710lm
Graphit m
34500.000 ☰
34582.000 DALI



Spherolit lens, spot
48W 4560lm
Graphit m
34502.000 ☰
34584.000 DALI

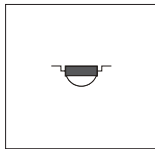


Spherolit lens, flood
48W 4560lm
Graphit m
34504.000 ☰
34586.000 DALI

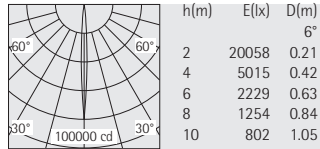


Spherolit lens, wide flood
48W 4560lm
Graphit m
34506.000 ☰
34588.000 DALI

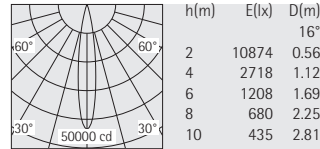
Lightscan Projector with mounting plate and LED



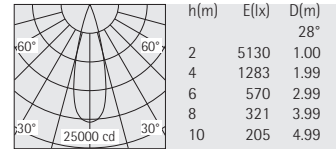
LED neutral white
4000K
Version 1



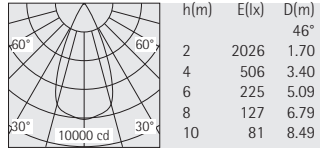
Spherolit lens, narrow spot
18W 2250lm
Graphit m
34501.000 
34583.000 DALI



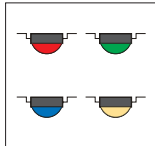
Spherolit lens, spot
48W 6000lm
Graphit m
34503.000 
34585.000 DALI



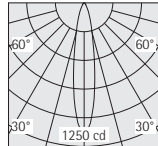
Spherolit lens, flood
48W 6000lm
Graphit m
34505.000 
34587.000 DALI



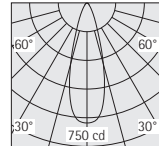
Spherolit lens, wide flood
48W 6000lm
Graphit m
34507.000 
34589.000 DALI



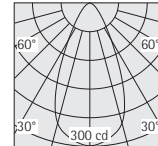
LED red, green,
blue, warm white
3000K
Version 1



Spherolit lens, spot
30W 960lm
Graphit m
34536.000 DALI



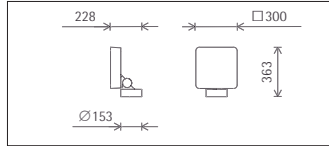
Spherolit lens, flood
30W 960lm
Graphit m
34537.000 DALI



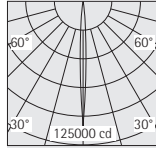
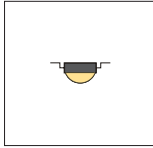
Spherolit lens, wide flood
30W 960lm
Graphit m
34538.000 DALI

Lightscan Projector with mounting plate and LED

Wattage:
32W - 72W
3040lm - 9000lm



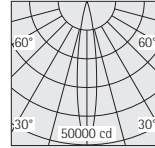
Weight 7.90kg



h(m)	E(lx)	D(m)
2	27134	0.17
4	6784	0.35
6	3015	0.52
8	1696	0.70
10	1085	0.87

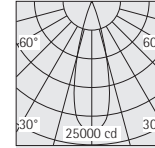
LED warm white
3000K
Version 1

Spherolit lens, narrow spot
32W 3040lm
Graphit m
34512.000 ⏻
34594.000 DALI



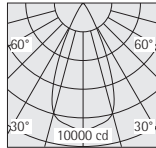
h(m)	E(lx)	D(m)
2	11987	0.56
4	2997	1.12
6	1332	1.69
8	749	2.25
10	479	2.81

Spherolit lens, spot
72W 6840lm
Graphit m
34514.000 ⏻
34596.000 DALI



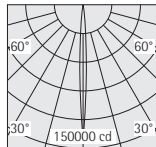
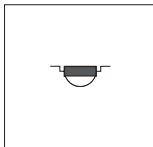
h(m)	E(lx)	D(m)
2	5631	1.00
4	1408	1.99
6	626	2.99
8	352	3.99
10	225	4.99

Spherolit lens, flood
72W 6840lm
Graphit m
34516.000 ⏻
34598.000 DALI



h(m)	E(lx)	D(m)
2	2212	1.70
4	553	3.40
6	246	5.09
8	138	6.79
10	88	8.49

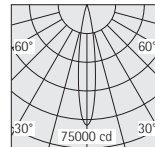
Spherolit lens, wide flood
72W 6840lm
Graphit m
34518.000 ⏻
34600.000 DALI



h(m)	E(lx)	D(m)
2	35703	0.17
4	8926	0.35
6	3967	0.52
8	2231	0.70
10	1428	0.87

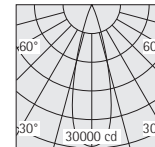
LED neutral white
4000K
Version 1

Spherolit lens, narrow spot
32W 4000lm
Graphit m
34513.000 ⏻
34595.000 DALI



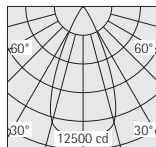
h(m)	E(lx)	D(m)
2	15773	0.56
4	3943	1.12
6	1753	1.69
8	986	2.25
10	631	2.81

Spherolit lens, spot
72W 9000lm
Graphit m
34515.000 ⏻
34597.000 DALI



h(m)	E(lx)	D(m)
2	7409	1.00
4	1852	1.99
6	823	2.99
8	463	3.99
10	296	4.99

Spherolit lens, flood
72W 9000lm
Graphit m
34517.000 ⏻
34599.000 DALI

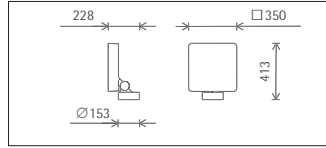


h(m)	E(lx)	D(m)
2	2911	1.70
4	728	3.40
6	323	5.09
8	182	6.79
10	116	8.49

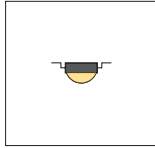
Spherolit lens, wide flood
72W 9000lm
Graphit m
34519.000 ⏻
34601.000 DALI

Lightscan Projector with mounting plate and LED

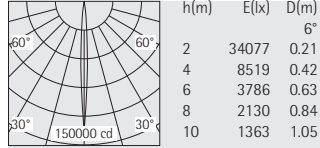
Wattage:
42W - 96W
3990lm -
12000lm



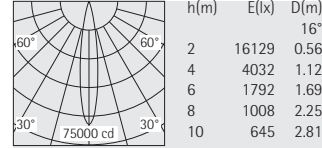
Weight 9.70kg



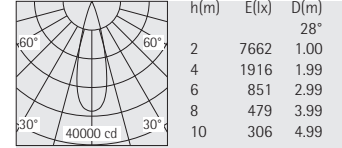
LED warm white
3000K
Version 1



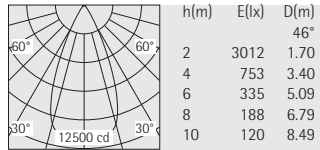
Spherolit lens, narrow spot
42W 3990lm
Graphit m
34524.000 ⚡
34606.000 DALI



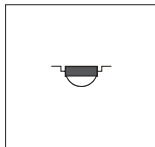
Spherolit lens, spot
96W 9120lm
Graphit m
34526.000 ⚡
34608.000 DALI



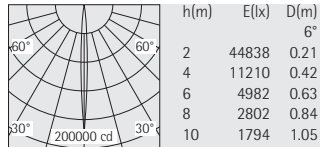
Spherolit lens, flood
96W 9120lm
Graphit m
34528.000 ⚡
34610.000 DALI



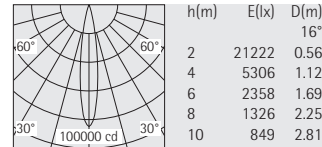
Spherolit lens, wide flood
96W 9120lm
Graphit m
34530.000 ⚡
34612.000 DALI



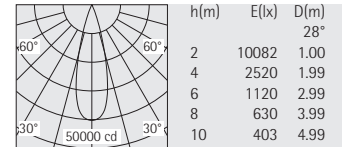
LED neutral white
4000K
Version 1



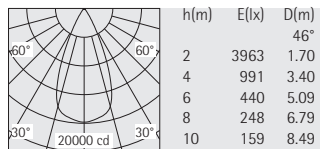
Spherolit lens, narrow spot
42W 5250lm
Graphit m
34525.000 ⚡
34607.000 DALI



Spherolit lens, spot
96W 12000lm
Graphit m
34527.000 ⚡
34609.000 DALI

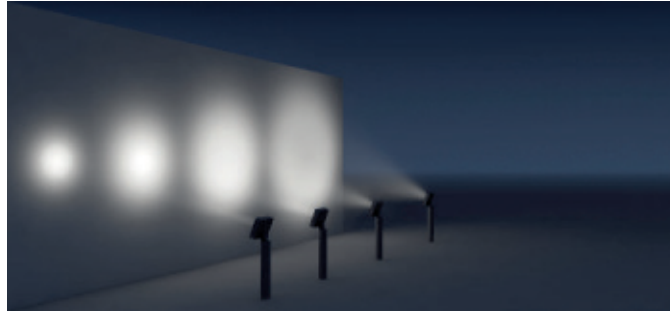
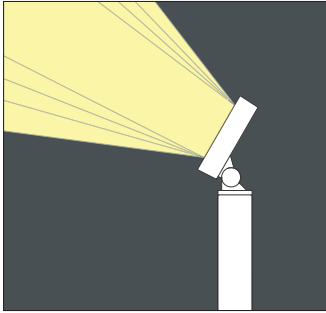


Spherolit lens, flood
96W 12000lm
Graphit m
34529.000 ⚡
34611.000 DALI



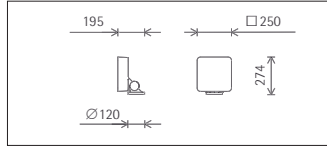
Spherolit lens, wide flood
96W 12000lm
Graphit m
34531.000 ⚡
34613.000 DALI

Lightscan Projector with mounting bracket and LED

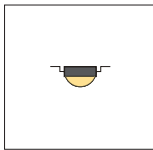


⏻ – switchable
For mounting on accessories. Electronic control gear. Mounting accessories to be ordered separately.

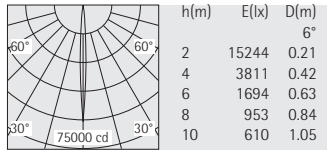
Wattage:
18W - 48W
1710lm - 6000lm



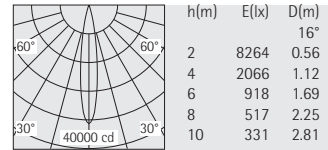
Weight 5.30kg



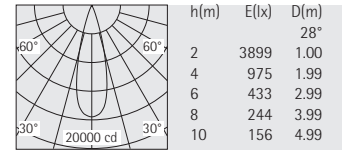
LED warm white
3000K
Version 1



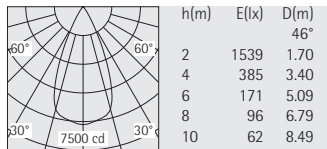
Spherolit lens, narrow spot
18W 1710lm
Graphit m
34541.000 ⏻



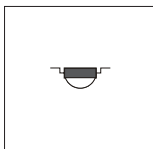
Spherolit lens, spot
48W 4560lm
Graphit m
34543.000 ⏻



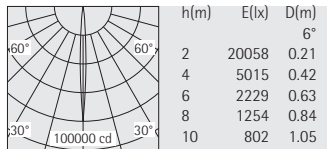
Spherolit lens, flood
48W 4560lm
Graphit m
34545.000 ⏻



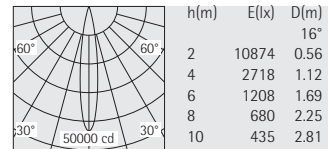
Spherolit lens, wide flood
48W 4560lm
Graphit m
34547.000 ⏻



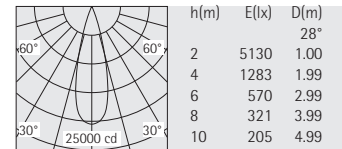
LED neutral white
4000K
Version 1



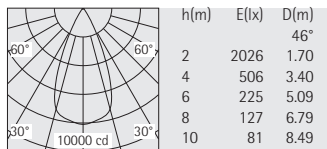
Spherolit lens, narrow spot
18W 2250lm
Graphit m
34542.000 ⏻



Spherolit lens, spot
48W 6000lm
Graphit m
34544.000 ⏻



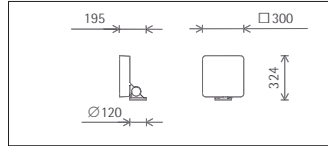
Spherolit lens, flood
48W 6000lm
Graphit m
34546.000 ⏻



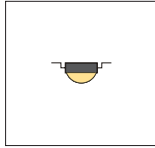
Spherolit lens, wide flood
48W 6000lm
Graphit m
34548.000 ⏻

Lightscan Projector with mounting bracket and LED

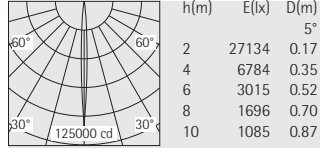
Wattage:
32W - 72W
3040lm - 9000lm



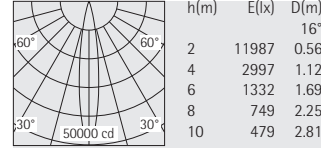
Weight 7.00kg



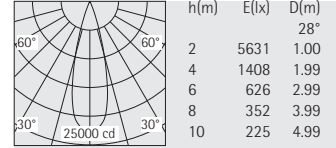
LED warm white
3000K
Version 1



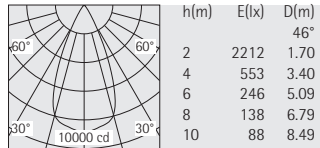
Spherolit lens, narrow spot
32W 3040lm
Graphit m
34553.000



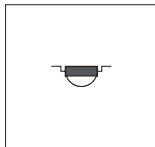
Spherolit lens, spot
72W 6840lm
Graphit m
34555.000



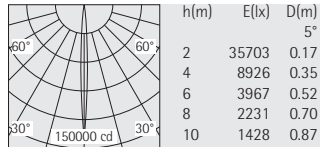
Spherolit lens, flood
72W 6840lm
Graphit m
34557.000



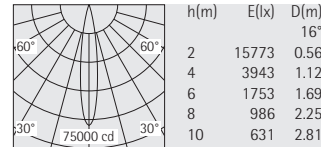
Spherolit lens, wide flood
72W 6840lm
Graphit m
34559.000



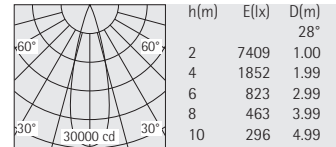
LED neutral white
4000K
Version 1



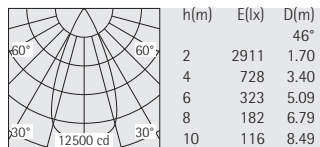
Spherolit lens, narrow spot
32W 4000lm
Graphit m
34554.000



Spherolit lens, spot
72W 9000lm
Graphit m
34556.000



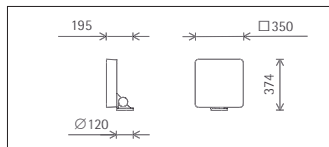
Spherolit lens, flood
72W 9000lm
Graphit m
34558.000



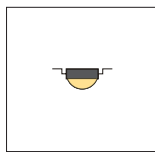
Spherolit lens, wide flood
72W 9000lm
Graphit m
34560.000

Lightscan Projector with mounting bracket and LED

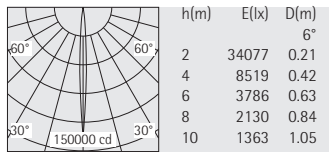
Wattage:
42W - 96W
3990lm -
12000lm



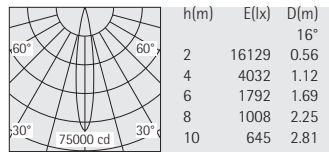
Weight 8.80kg



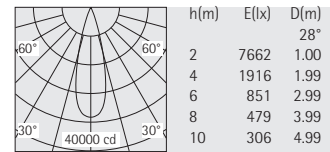
LED warm white
3000K
Version 1



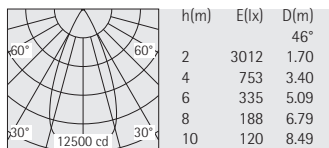
Spherolit lens, narrow spot
42W 3990lm
Graphit m
34565.000 ⏻



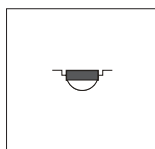
Spherolit lens, spot
96W 9120lm
Graphit m
34567.000 ⏻



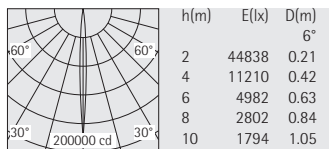
Spherolit lens, flood
96W 9120lm
Graphit m
34569.000 ⏻



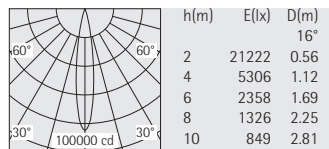
Spherolit lens, wide flood
96W 9120lm
Graphit m
34571.000 ⏻



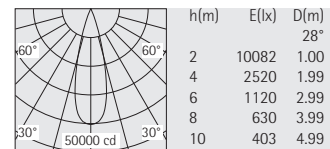
LED neutral white
4000K
Version 1



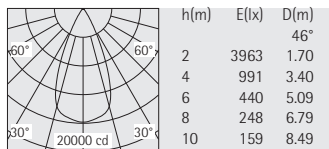
Spherolit lens, narrow spot
42W 5250lm
Graphit m
34566.000 ⏻



Spherolit lens, spot
96W 12000lm
Graphit m
34568.000 ⏻

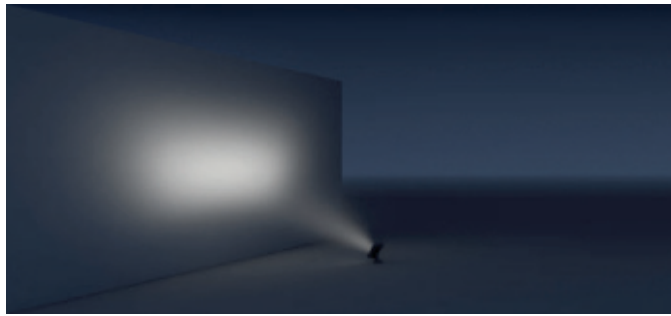
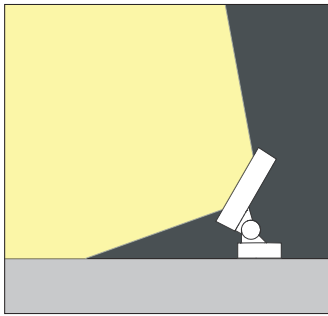


Spherolit lens, flood
96W 12000lm
Graphit m
34570.000 ⏻



Spherolit lens, wide flood
96W 12000lm
Graphit m
34572.000 ⏻

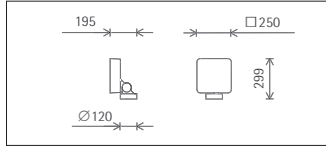
Lightscan Floodlight with mounting plate and LED



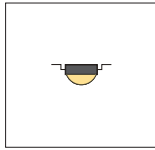
☰ – switchable
Electronic control gear.

DALI – dimmable
DALI control gear.

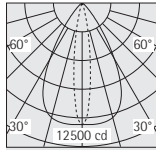
Wattage:
30W - 48W
960lm - 6000lm



Weight 5.60kg - 6.20kg

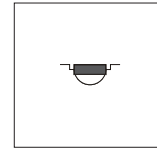


LED warm white
3000K
Version 1

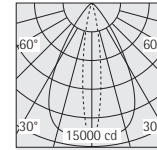


	h(m)	E(lx)	D(m)
			61° 16°
1	10594	1.18	0.28
2	2649	2.36	0.56
3	1177	3.53	0.84
4	662	4.71	1.12
5	424	5.89	1.41

Spherolit lens, oval flood
48W 4560lm
Graphit m
34508.000 ☰
34590.000 DALI

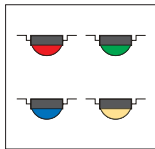


LED neutral white
4000K
Version 1

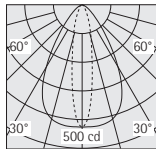


	h(m)	E(lx)	D(m)
			61° 16°
1	13940	1.18	0.28
2	3485	2.36	0.56
3	1549	3.53	0.84
4	871	4.71	1.12
5	558	5.89	1.41

Spherolit lens, oval flood
48W 6000lm
Graphit m
34509.000 ☰
34591.000 DALI

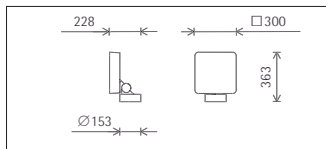


LED red, green,
blue, warm white
3000K
Version 1

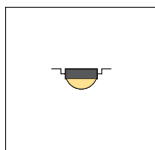


Spherolit lens, oval flood
30W 960lm
Graphit m
34539.000 DALI

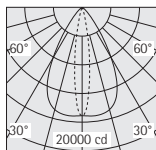
Wattage:
72W
6840lm - 9000lm



Weight 7.90kg

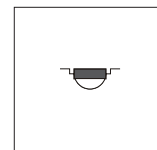


LED warm white
3000K
Version 1

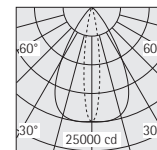


	h(m)	E(lx)	D(m)
			61° 16°
1	15117	1.18	0.28
2	3779	2.36	0.56
3	1680	3.53	0.84
4	945	4.71	1.12
5	605	5.89	1.41

Spherolit lens, oval flood
72W 6840lm
Graphit m
34520.000 ☰
34602.000 DALI



LED neutral white
4000K
Version 1

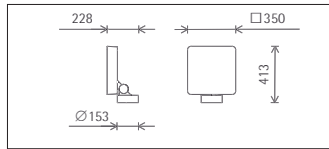


	h(m)	E(lx)	D(m)
			61° 16°
1	19890	1.18	0.28
2	4973	2.36	0.56
3	2210	3.53	0.84
4	1243	4.71	1.12
5	796	5.89	1.41

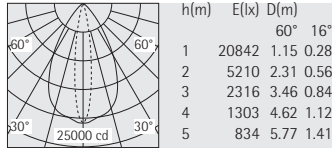
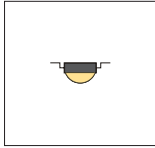
Spherolit lens, oval flood
72W 9000lm
Graphit m
34521.000 ☰
34603.000 DALI

Lightscan Floodlight with mounting plate and LED

Wattage:
96W
9120lm -
12000lm

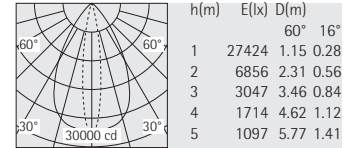
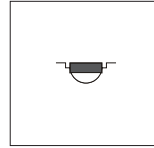


Weight 9.70kg



LED warm white
3000K
Version 1

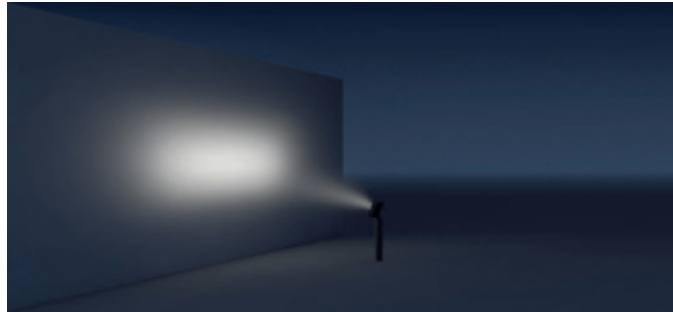
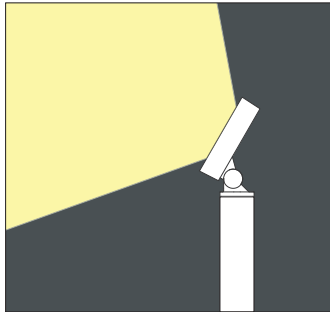
Spherolit lens, oval flood
96W 9120lm
Graphit m
34532.000
34614.000 DALI



LED neutral white
4000K
Version 1

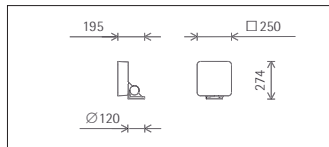
Spherolit lens, oval flood
96W 12000lm
Graphit m
34533.000
34615.000 DALI

Lightscan Floodlight with mounting bracket and LED

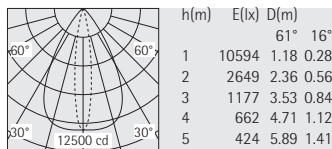
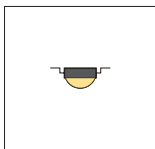


- **switchable**
For mounting on accessories. Electronic control gear. Mounting accessories to be ordered separately.

Wattage:
48W
4560lm - 6000lm

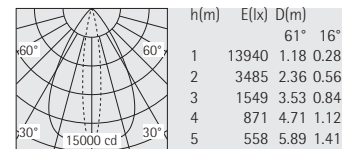
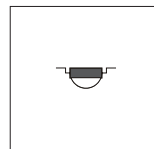


Weight 5.30kg



LED warm white
3000K
Version 1

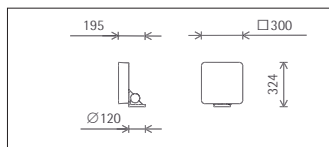
Spherolit lens, oval flood
48W 4560lm
Graphit m
34549.000



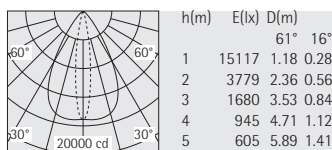
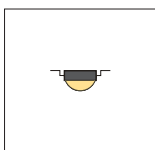
LED neutral white
4000K
Version 1

Spherolit lens, oval flood
48W 6000lm
Graphit m
34550.000

Wattage:
72W
6840lm - 9000lm

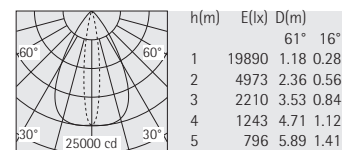
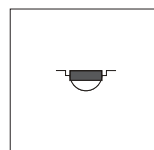


Weight 7.00kg



LED warm white
3000K
Version 1

Spherolit lens, oval flood
72W 6840lm
Graphit m
34561.000

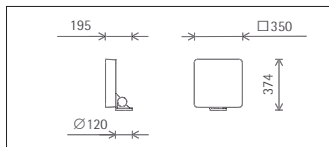


LED neutral white
4000K
Version 1

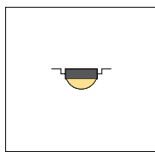
Spherolit lens, oval flood
72W 9000lm
Graphit m
34562.000

Lightscan Floodlight with mounting bracket and LED

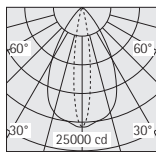
Wattage:
96W
9120lm -
12000lm



Weight 8.80kg

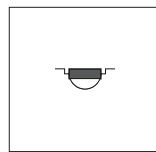


LED warm white
3000K
Version 1

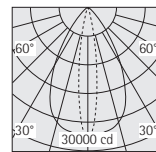


h(m)	E(lx)	D(m)
		60° 16°
1	20842	1.15 0.28
2	5210	2.31 0.56
3	2316	3.46 0.84
4	1303	4.62 1.12
5	834	5.77 1.41

Spherolit lens, oval flood
96W 9120lm
Graphit m
34573.000 ⚡



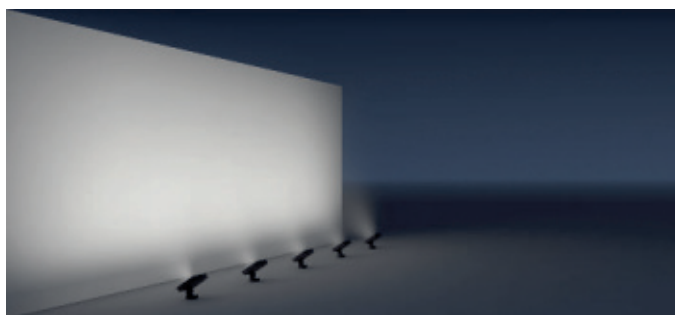
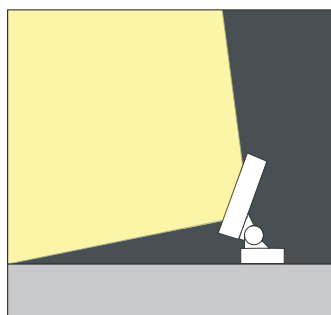
LED neutral white
4000K
Version 1



h(m)	E(lx)	D(m)
		60° 16°
1	27424	1.15 0.28
2	6856	2.31 0.56
3	3047	3.46 0.84
4	1714	4.62 1.12
5	1097	5.77 1.41

Spherolit lens, oval flood
96W 12000lm
Graphit m
34574.000 ⚡

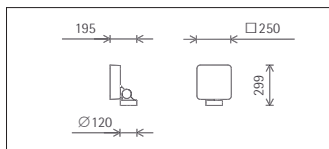
Lightscan Lens wallwasher with mounting plate and LED



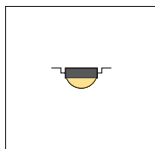
⚡ – switchable
Electronic control gear.

DALI – dimmable
DALI control gear.

Wattage:
30W - 48W
960lm - 6000lm



Weight 5.60kg - 6.20kg



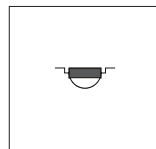
LED warm white
3000K
Version 1

Mean illuminance E_n (wall)

Angle of tilt 35°

Wall height (m)	8.0
Offset from wall (m)	2.50 2.75 3.00 3.00
Luminaire spacing (m)	3.00 3.25 3.50 4.00
Illuminance E _n (lx)	127 111 98 85

Spherolit lens, wallwash
48W 4560lm
Graphit m
34510.000 ⚡
34592.000 DALI



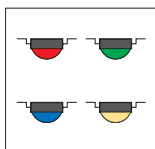
LED neutral white
4000K
Version 1

Mean illuminance E_n (wall)

Angle of tilt 35°

Wall height (m)	8.0
Offset from wall (m)	2.50 2.75 3.00 3.00
Luminaire spacing (m)	3.00 3.25 3.50 4.00
Illuminance E _n (lx)	167 146 128 112

Spherolit lens, wallwash
48W 6000lm
Graphit m
34511.000 ⚡
34593.000 DALI

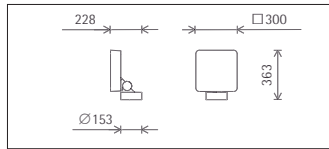


LED red, green,
blue, warm white
3000K
Version 1

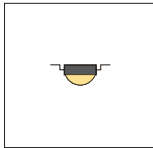
Spherolit lens, wallwash
30W 960lm
Graphit m
34540.000 DALI

Lightscan Lens wallwasher with mounting plate and LED

Wattage:
72W
6840lm - 9000lm



Weight 7.90kg



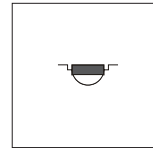
Mean illuminance E_n (wall)

Angle of tilt 35°

Wall height (m)	8.0
Offset from wall (m)	2.50 3.00 3.00
Luminaire spacing (m)	3.00 3.50 4.00
Illuminance E_n (lx)	180 138 120

LED warm white
3000K
Version 1

Spherolit lens, wallwash
72W 6840lm
Graphit m
34522.000
34604.000 DALI



Mean illuminance E_n (wall)

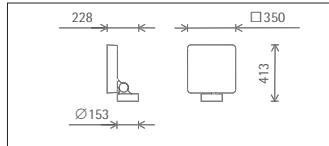
Angle of tilt 35°

Wall height (m)	8.0
Offset from wall (m)	2.50 3.00 3.00
Luminaire spacing (m)	3.00 3.50 4.00
Illuminance E_n (lx)	237 181 158

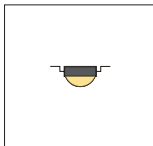
LED neutral white
4000K
Version 1

Spherolit lens, wallwash
72W 9000lm
Graphit m
34523.000
34605.000 DALI

Wattage:
96W
9120lm - 12000lm



Weight 9.70kg



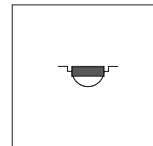
Mean illuminance E_n (wall)

Angle of tilt 35°

Wall height (m)	10.0
Offset from wall (m)	3.00 3.00 3.50 4.00
Luminaire spacing (m)	3.50 4.00 4.50 5.00
Illuminance E_n (lx)	176 154 127 105

LED warm white
3000K
Version 1

Spherolit lens, wallwash
96W 9120lm
Graphit m
34534.000
34616.000 DALI



Mean illuminance E_n (wall)

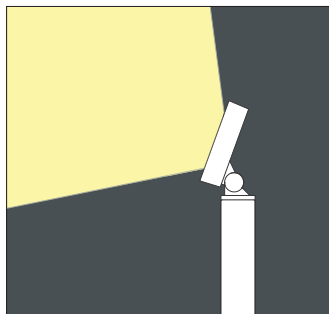
Angle of tilt 35°

Wall height (m)	10.0
Offset from wall (m)	3.00 3.00 3.50 4.00
Luminaire spacing (m)	3.50 4.00 4.50 5.00
Illuminance E_n (lx)	232 203 167 138

LED neutral white
4000K
Version 1

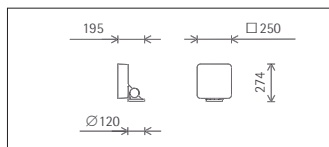
Spherolit lens, wallwash
96W 12000lm
Graphit m
34535.000
34617.000 DALI

Lightscan Lens wallwasher with mounting bracket and LED

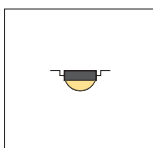


– **switchable**
For mounting on accessories. Electronic control gear. Mounting accessories to be ordered separately.

Wattage:
48W
4560lm - 6000lm



Weight 5.30kg



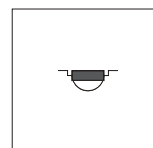
Mean illuminance E_n (wall)

Angle of tilt 35°

Wall height (m)	8.0
Offset from wall (m)	2.50 2.75 3.00 3.00
Luminaire spacing (m)	3.00 3.25 3.50 4.00
Illuminance E_n (lx)	127 111 98 85

LED warm white
3000K
Version 1

Spherolit lens, wallwash
48W 4560lm
Graphit m
34551.000



Mean illuminance E_n (wall)

Angle of tilt 35°

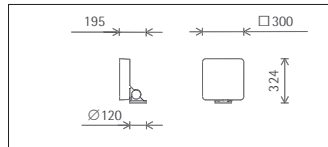
Wall height (m)	8.0
Offset from wall (m)	2.50 2.75 3.00 3.00
Luminaire spacing (m)	3.00 3.25 3.50 4.00
Illuminance E_n (lx)	167 146 128 112

LED neutral white
4000K
Version 1

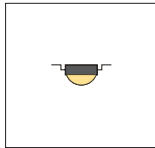
Spherolit lens, wallwash
48W 6000lm
Graphit m
34552.000

Lightscan Lens wallwasher with mounting bracket and LED

Wattage:
72W
6840lm - 9000lm



Weight 7.00kg



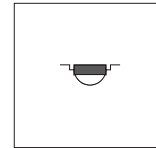
Mean illuminance E_n (wall)

Angle of tilt 35°

Wall height (m)	8.0		
Offset from wall (m)	2.50	3.00	3.00
Luminaire spacing (m)	3.00	3.50	4.00
Illuminance E_n (lx)	180	138	120

LED warm white
3000K
Version 1

Spherolit lens, wallwash
72W 6840lm
Graphit m
34563.000 ⏻



Mean illuminance E_n (wall)

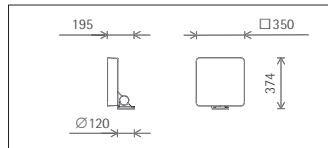
Angle of tilt 35°

Wall height (m)	8.0		
Offset from wall (m)	2.50	3.00	3.00
Luminaire spacing (m)	3.00	3.50	4.00
Illuminance E_n (lx)	237	181	158

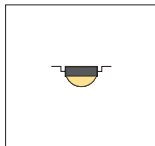
LED neutral white
4000K
Version 1

Spherolit lens, wallwash
72W 9000lm
Graphit m
34564.000 ⏻

Wattage:
96W
9120lm - 12000lm



Weight 8.80kg



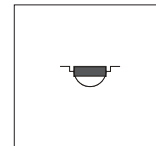
Mean illuminance E_n (wall)

Angle of tilt 35°

Wall height (m)	10.0			
Offset from wall (m)	3.00	3.00	3.50	4.00
Luminaire spacing (m)	3.50	4.00	4.50	5.00
Illuminance E_n (lx)	176	154	127	105

LED warm white
3000K
Version 1

Spherolit lens, wallwash
96W 9120lm
Graphit m
34575.000 ⏻



Mean illuminance E_n (wall)

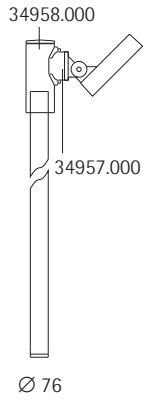
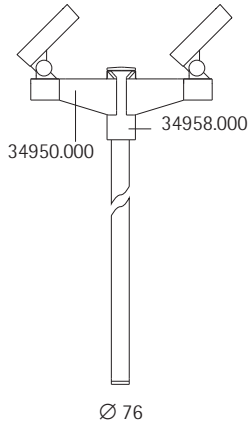
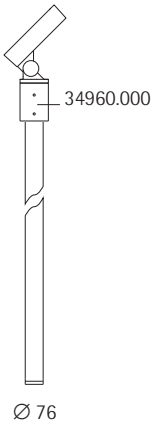
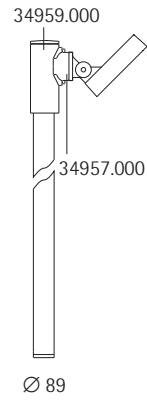
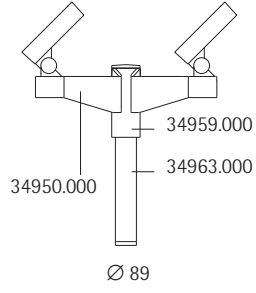
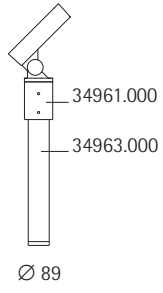
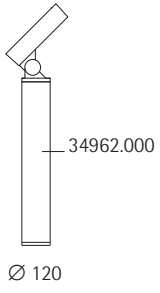
Angle of tilt 35°

Wall height (m)	10.0			
Offset from wall (m)	3.00	3.00	3.50	4.00
Luminaire spacing (m)	3.50	4.00	4.50	5.00
Illuminance E_n (lx)	232	203	167	138

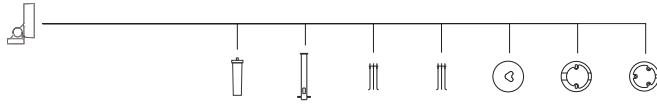
LED neutral white
4000K
Version 1

Spherolit lens, wallwash
96W 12000lm
Graphit m
34576.000 ⏻

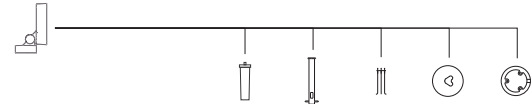
Lightscan



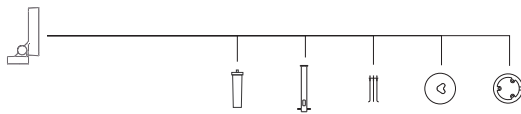
Lightscan Accessories



	34974.000	33974.000	33979.000	33981.000	33982.000	34990.000	34991.000
34500.000	•		•		•	•	
34501.000	•		•		•	•	
34502.000	•		•		•	•	
34503.000	•		•		•	•	
34504.000	•		•		•	•	
34505.000	•		•		•	•	
34506.000	•		•		•	•	
34507.000	•		•		•	•	
34508.000	•		•		•	•	
34509.000	•		•		•	•	
34510.000	•		•		•	•	
34511.000	•	•			•	•	
34536.000	•	•		•	•		•
34537.000	•	•		•	•		•
34538.000	•	•		•	•		•
34539.000	•	•		•	•		•
34540.000	•	•		•	•		•
34582.000	•	•		•	•		•
34583.000	•	•		•	•		•
34584.000	•	•		•	•		•
34585.000	•	•		•	•		•
34586.000	•	•		•	•		•
34587.000	•	•		•	•		•
34588.000	•	•		•	•		•
34589.000	•	•		•	•		•
34590.000	•	•		•	•		•
34591.000	•	•		•	•		•
34592.000	•	•		•	•		•
34593.000	•	•		•	•		•



	34974.000	33974.000	33981.000	33982.000	34991.000
34512.000	•	•	•	•	•
34513.000	•	•	•	•	•
34514.000	•	•	•	•	•
34515.000	•	•	•	•	•
34516.000	•	•	•	•	•
34517.000	•	•	•	•	•
34518.000	•	•	•	•	•
34519.000	•	•	•	•	•
34520.000	•	•	•	•	•
34521.000	•	•	•	•	•
34522.000	•	•	•	•	•
34523.000	•	•	•	•	•
34594.000	•	•	•	•	•
34595.000	•	•	•	•	•
34596.000	•	•	•	•	•
34597.000	•	•	•	•	•
34598.000	•	•	•	•	•
34599.000	•	•	•	•	•
34600.000	•	•	•	•	•
34601.000	•	•	•	•	•
34602.000	•	•	•	•	•
34603.000	•	•	•	•	•
34604.000	•	•	•	•	•
34605.000	•	•	•	•	•



	34974.000	33974.000	33981.000	33982.000	34991.000
34524.000	•	•	•	•	•
34525.000	•	•	•	•	•
34526.000	•	•	•	•	•
34527.000	•	•	•	•	•
34528.000	•	•	•	•	•
34529.000	•	•	•	•	•
34530.000	•	•	•	•	•
34531.000	•	•	•	•	•
34532.000	•	•	•	•	•
34533.000	•	•	•	•	•
34534.000	•	•	•	•	•
34535.000	•	•	•	•	•
34606.000	•	•	•	•	•
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34608.000	•	•	•	•	•
34609.000	•	•	•	•	•
34610.000	•	•	•	•	•
34611.000	•	•	•	•	•
34612.000	•	•	•	•	•
34613.000	•	•	•	•	•
34614.000	•	•	•	•	•
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Lightscan Accessories

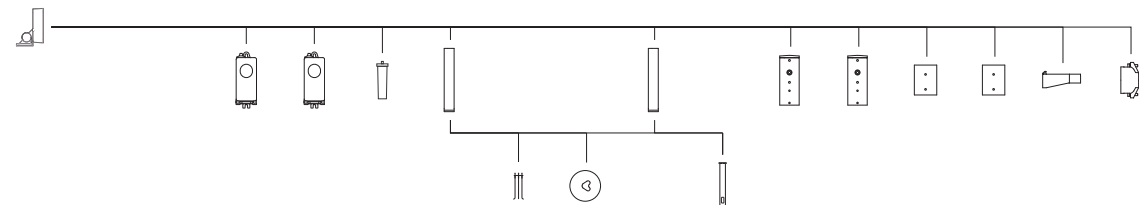


Diagram 1: A schematic showing a main horizontal line with various accessories connected. From left to right: a small vertical component, two circular components, a vertical component, a vertical component with a branch to a circular component with a 'G' inside, another vertical component, two vertical components with three dots, two vertical components with two dots, a vertical component with one dot, a vertical component with one dot, a trapezoidal component, and a vertical component with a horizontal line.

	34964.000	34965.000	34974.000	34962.000	33980.000	33982.000	34963.000	33975.000	34958.000	34959.000	34960.000	34961.000	34950.000	34957.000
34541.000	•	•	•	•	•	•	•	•	•	•	•	•	•	•
34542.000	•	•	•	•	•	•	•	•	•	•	•	•	•	•
34543.000	•	•	•	•	•	•	•	•	•	•	•	•	•	•
34544.000	•	•	•	•	•	•	•	•	•	•	•	•	•	•
34545.000	•	•	•	•	•	•	•	•	•	•	•	•	•	•
34546.000	•	•	•	•	•	•	•	•	•	•	•	•	•	•
34547.000	•	•	•	•	•	•	•	•	•	•	•	•	•	•
34548.000	•	•	•	•	•	•	•	•	•	•	•	•	•	•
34549.000	•	•	•	•	•	•	•	•	•	•	•	•	•	•
34550.000	•	•	•	•	•	•	•	•	•	•	•	•	•	•
34551.000	•	•	•	•	•	•	•	•	•	•	•	•	•	•
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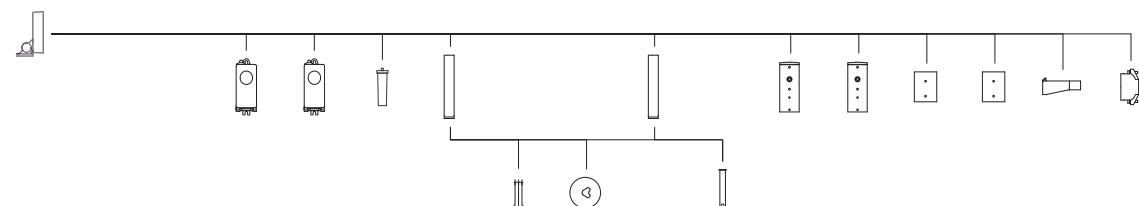


Diagram 2: A schematic showing a main horizontal line with various accessories connected. From left to right: a small vertical component, two circular components, a vertical component, a vertical component with a branch to a circular component with a 'G' inside, another vertical component, two vertical components with three dots, two vertical components with two dots, a vertical component with one dot, a vertical component with one dot, a trapezoidal component, and a vertical component with a horizontal line.

	34964.000	34965.000	34974.000	34962.000	33980.000	33982.000	34963.000	33975.000	34958.000	34959.000	34960.000	34961.000	34950.000	34957.000
34553.000	•	•	•	•	•	•	•	•	•	•	•	•	•	•
34554.000	•	•	•	•	•	•	•	•	•	•	•	•	•	•
34555.000	•	•	•	•	•	•	•	•	•	•	•	•	•	•
34556.000	•	•	•	•	•	•	•	•	•	•	•	•	•	•
34557.000	•	•	•	•	•	•	•	•	•	•	•	•	•	•
34558.000	•	•	•	•	•	•	•	•	•	•	•	•	•	•
34559.000	•	•	•	•	•	•	•	•	•	•	•	•	•	•
34560.000	•	•	•	•	•	•	•	•	•	•	•	•	•	•
34561.000	•	•	•	•	•	•	•	•	•	•	•	•	•	•
34562.000	•	•	•	•	•	•	•	•	•	•	•	•	•	•
34563.000	•	•	•	•	•	•	•	•	•	•	•	•	•	•
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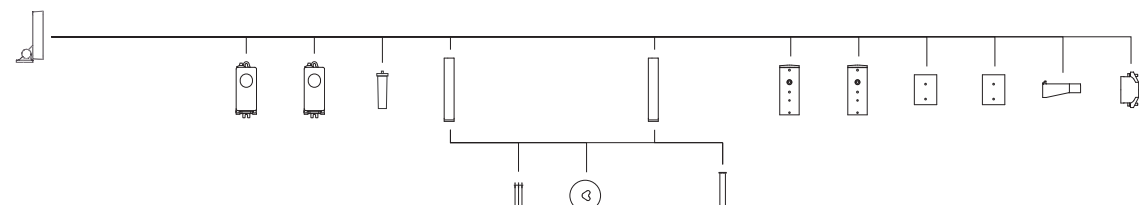
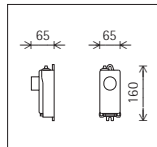


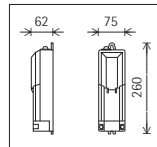
Diagram 3: A schematic showing a main horizontal line with various accessories connected. From left to right: a small vertical component, two circular components, a vertical component, a vertical component with a branch to a circular component with a 'G' inside, another vertical component, two vertical components with three dots, two vertical components with two dots, a vertical component with one dot, a vertical component with one dot, a trapezoidal component, and a vertical component with a horizontal line.

	34964.000	34965.000	34974.000	34962.000	33980.000	33982.000	34963.000	33975.000	34958.000	34959.000	34960.000	34961.000	34950.000	34957.000
34565.000	•	•	•	•	•	•	•	•	•	•	•	•	•	•
34566.000	•	•	•	•	•	•	•	•	•	•	•	•	•	•
34567.000	•	•	•	•	•	•	•	•	•	•	•	•	•	•
34568.000	•	•	•	•	•	•	•	•	•	•	•	•	•	•
34569.000	•	•	•	•	•	•	•	•	•	•	•	•	•	•
34570.000	•	•	•	•	•	•	•	•	•	•	•	•	•	•
34571.000	•	•	•	•	•	•	•	•	•	•	•	•	•	•
34572.000	•	•	•	•	•	•	•	•	•	•	•	•	•	•
34573.000	•	•	•	•	•	•	•	•	•	•	•	•	•	•
34574.000	•	•	•	•	•	•	•	•	•	•	•	•	•	•
34575.000	•	•	•	•	•	•	•	•	•	•	•	•	•	•
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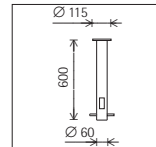
Lightscan Accessories



34964.000
Cable junction box, IP54
Plastic, black.
Terminal block 2 of 5x2.5mm².
1 fuse D01 E14 10A.
Weight 0.25kg

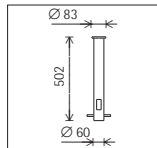


34965.000
Cable junction box, IP54
Plastic, grey.
Terminal block 2 of 5x6mm².
1 fuse D01 E14 10A.
Weight 0.55kg

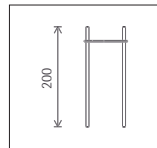


34974.000
Distribution box,
IP68
With four cable
entries, 7-25mm.
Plastic.
ø 102mm,
L 305mm.
Weight 0.47kg

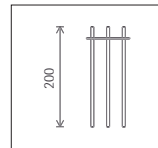
33974.000
Ground socket
Metal, hot-dip galvanised.
Cable entry.
Weight 2.30kg



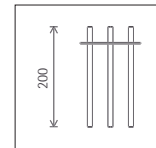
33975.000
Ground socket
Metal, hot-dip galvanised.
Cable entry.
Weight 1.75kg



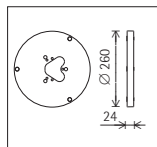
33979.000
Concrete anchor
Mounting plate with threaded bar and
fixing nuts M6. Individual parts to be
assembled on-site.
Weight 0.25kg



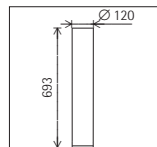
33980.000
Concrete anchor
Mounting plate with threaded bar and
fixing nuts M6. Individual parts to be
assembled on-site.
Weight 0.30kg



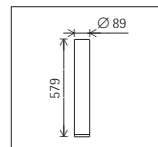
33981.000
Concrete anchor
Mounting plate with threaded bar and
fixing nuts M10. Individual parts to be
assembled on-site.
Weight 0.76kg



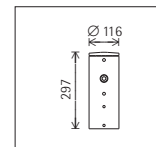
33982.000
Mounting plate
Corrosion-resistant cast aluminium,
No-Rinse surface treatment. Graphit m,
double powder-coated.
Weight 1.70kg



34962.000
Post
Metal, hot-dip galvanised. Graphit m,
double powder-coated.
Mounting plate: metal.
5-pole terminal block for cable
5x2.5mm². Through-wiring possible.
3-pole terminal block for control line.
Luminaire rotatable through 360°.
Protection mode IP44 in connection
with mounted luminaire.
Weight 5.60kg

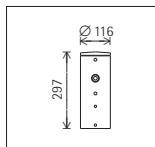


34963.000
Post
for adapter sleeves.
Metal, hot-dip galvanised. Graphit m,
double powder-coated.
Mounting plate: metal.
5-pole terminal block for cable
5x2.5mm². Through-wiring possible.
IP44 protection mode when used with
relevant accessories.
Not for concrete anchor 33980.000 and
mounting plate 33982.000.
Weight 1.50kg

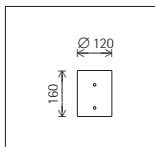


34958.000
Adapter sleeve
for poles ø 76mm and cantilever arms.
Housing and cover: corrosion-resistant
cast aluminium, No-Rinse surface
treatment. Graphit m, double powder-
coated. Screw fixing.
Terminal block 5x2,5mm². Through-
wiring possible. 2 cable entries for
cantilever arms.
Protection mode IP44 only with ac-
cessories.
Cantilever arms to be ordered separ-
ately.
Poles ø 76mm to be ordered separately.
Weight 3.80kg

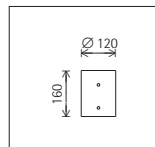
Lightscan Accessories



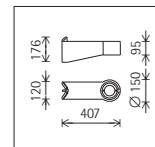
34959.000
Adapter sleeve for posts \varnothing 89mm and cantilever arms. Housing and cover: corrosion-resistant cast aluminium, No-Rinse surface treatment. Graphit m, double powder-coated. Screw fixing. Terminal block 5x2,5mm². Through-wiring possible. 2 cable entries for cantilever arms. Protection mode IP44 only with accessories. Posts \varnothing 89mm and cantilever arms to be ordered separately. Weight 3.20kg



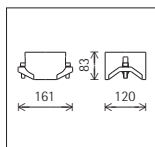
34960.000
Adapter sleeve for poles \varnothing 76mm. Housing: corrosion-resistant cast aluminium, No-Rinse surface treatment. Graphit m, double powder-coated. Screw fixing. 3-pole terminal block for control line. Through-wiring possible. Luminaire rotatable through 360°. Protection mode IP44 only with mounted luminaire. Weight 2.55kg



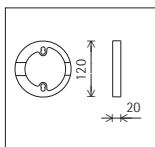
34961.000
Adapter sleeve for posts \varnothing 89mm. Housing: corrosion-resistant cast aluminium, No-Rinse surface treatment. Graphit m, double powder-coated. Screw fixing. 3-pole terminal block for control line. Through-wiring possible. Luminaire rotatable through 360°. Protection mode IP44 only with mounted luminaire. Weight 1.95kg



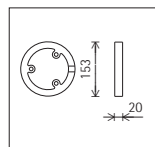
34950.000
Cantilever arm for mounting on adapter sleeve or wall. For standing luminaire installation. Housing: corrosion-resistant cast aluminium, No-Rinse surface treatment. Graphit m, double powder-coated. Inspection cover: corrosion-resistant aluminium, double powder-coated in graphit m. 1 cable entry. 3-pole terminal block for control line. Luminaire rotatable through 360°. Protection mode IP44 in connection with mounted luminaire. Weight 3.55kg



34957.000
Side-mounted sleeve for mounting on adapter sleeve. Housing: corrosion-resistant cast aluminium, No-Rinse surface treatment. Graphit m, double powder-coated. 1 cable entry. 3-pole terminal block for control line. Luminaire rotatable through 360°. Protection mode IP65 only with mounted luminaire. Weight 0.90kg



34990.000
Spacer for surface-mounted cables. Corrosion-resistant cast aluminium, No-Rinse surface treatment. Graphit m, double powder-coated. Weight 0.16kg



34991.000
Spacer for surface-mounted cables. Corrosion-resistant cast aluminium, No-Rinse surface treatment. Graphit m, double powder-coated. Weight 0.23kg



Powerful and pragmatic

Powercast produces powerful accent lighting, floodlighting and wallwashing in outdoor areas.

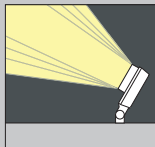
Powercast luminaires are true all-rounders, meeting the requirements of lighting design in outdoor areas, be it for object lighting, pathway illumination or scenic effects for natural monuments. Different lumen packages, flexible mounting options and a choice between diverse light distribution patterns leave no lighting task unfinished. The housing is exceptionally weather-resistant. The low-profile,

understated design cuts a fine figure without competing with the illuminated objects. The maintenance-free optoelectronics of the LED driven Powercast luminaires guarantee maximum efficiency to save our resources and result in lower operating costs. The Powercast with high-pressure discharge lamps stand out with powerful levels of luminous flux and interchangeable reflectors. Subsequent adjustment

to changes in lighting requirements can be made with minimal effort. Precise photometrics in all versions prevent spill light as a further eco-friendly factor.



Accentuation
Emphasis of objects or architectural elements.



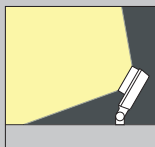
Projectors
Very narrow to very wide beam, rotationally symmetrical light distribution for accent lighting.

LED
12W - 48W
1140lm - 6000lm
Light distribution: Narrow spot, Spot, Flood, Wide flood

Metal halide lamps
20W - 250W
1800lm - 23000lm
Light distribution: Narrow spot, Spot, Flood, Wide flood



Washlighting
Wide-beam illumination of larger objects or spatial zones.



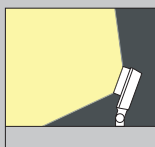
Floodlights
Axially symmetrical light distribution with flood characteristics produced by an oval beam for floodlighting.

LED
24W - 48W
2280lm - 6000lm
Light distribution: Oval flood

Metal halide lamps
20W - 250W
1800lm - 23000lm
Light distribution: Oval flood

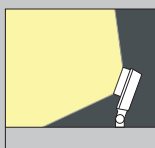


Wallwashing
Vertical illuminance for brightening the surroundings and segmenting the exterior landscape.



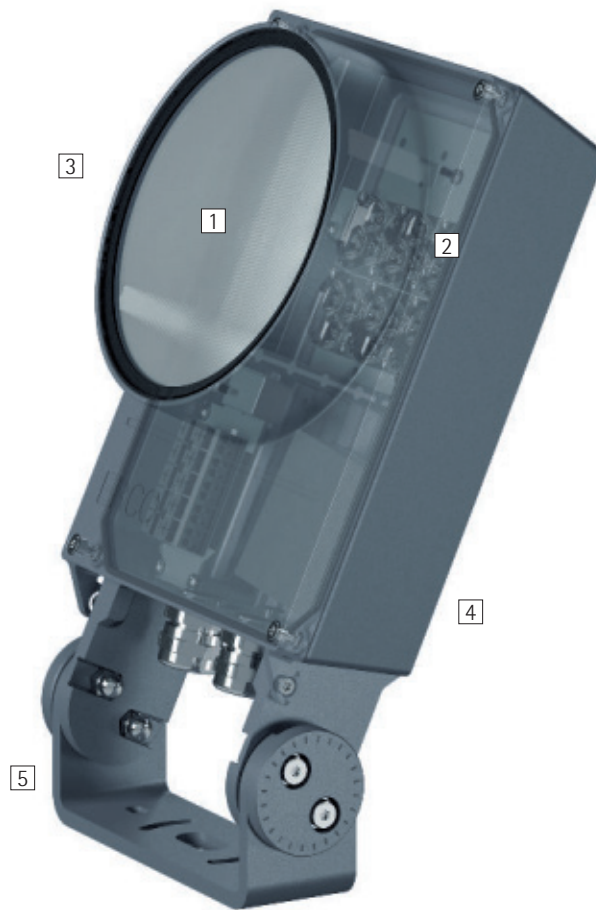
Lens wallwashers
Asymmetrical light distribution for highly uniform wallwashing.

LED
24W - 48W
2280lm - 6000lm
Light distribution: Wallwash



Wallwashers
Asymmetrical light distribution for highly uniform wallwashing.

Metal halide lamps
20W - 250W
1800lm - 23000lm
Light distribution: Washlight



Structure and characteristics

The features described here are typical of products in this range. Special versions may offer additional or varying features. A comprehensive description of the features of individual products can be found on our ERCO Light Scout website. The direct links for quick access always take the same form:

www.erco.com/<article number>

Detailed information on the features is provided from page 486.

1 ERCO Spherolit lens

- Replacement without tools
- Light distributions: narrow spot, spot, flood, wide flood, oval flood or wallwash
- Oval flood rotatable through 360°

2 ERCO LED module

- High-power LEDs on metal-core PCB
- Light colours: warm white or neutral white
- Collimating lens made of optical polymer

3 Snoot

- Corrosion-resistant cast aluminium, No-Rinse surface treatment
- Graphit m, double powder-coated
- Safety glass

4 Housing

- Graphit m
- Corrosion-resistant cast aluminium, No-Rinse surface treatment
- Double powder-coated
- Optimised surface for reduced accumulation of dirt
- ±90° tilt
- Control gear:**
- Switchable

5 Mounting bracket

- Corrosion-resistant aluminium, No-Rinse surface treatment
- Graphit m, double powder-coated
- Fitting the mounting bracket to the housing must be done on site

Protection mode IP65

Dust-tight and water jet-proof

Special characteristics

Oval flood can be freely rotated

Different sizes

Lockable

ERCO high-power LEDs

Efficient Spherolit technology

Different light distributions

Different light colours

Excellent thermal management

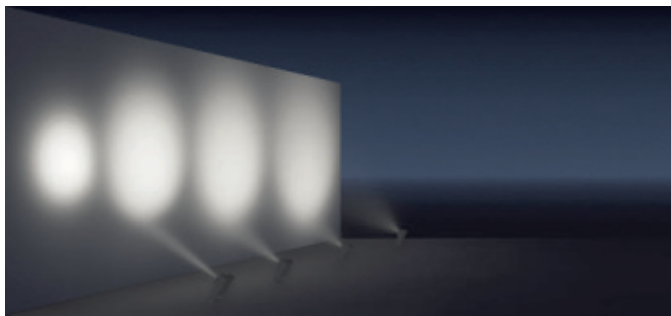
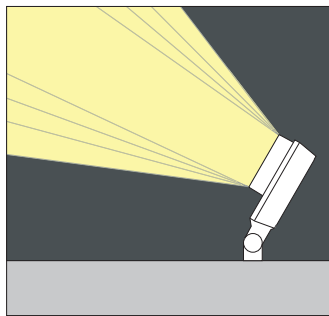
Graduations for precision setting

Tilttable ±90°

IP65 Protection mode IP65

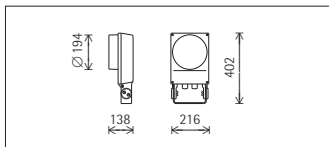
Switchable

Powercast Projector with LED

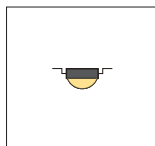


⏻ – switchable
Electronic control gear. Fitting the mounting bracket to the housing must be done on site.

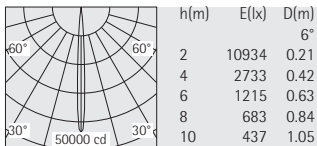
Wattage:
12W - 36W
1140lm - 4500lm



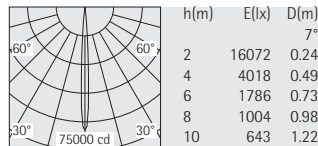
Weight 4.50kg



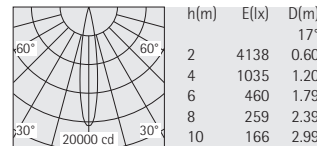
LED warm white
3000K
Version 5



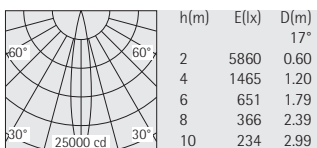
Spherolit lens, narrow spot
12W 1140lm
Graphit m
34254.000 ⏻



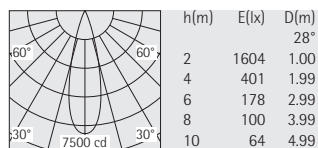
Spherolit lens, narrow spot
18W 1710lm
Graphit m
34290.000 ⏻



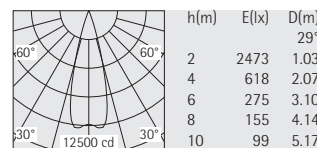
Spherolit lens, spot
24W 2280lm
Graphit m
34242.000 ⏻



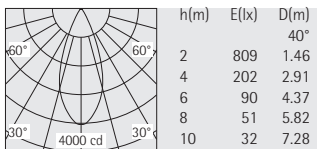
Spherolit lens, spot
36W 3420lm
Graphit m
34302.000 ⏻



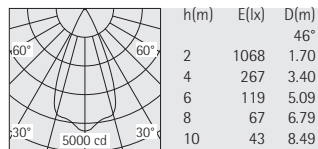
Spherolit lens, flood
24W 2280lm
Graphit m
34244.000 ⏻



Spherolit lens, flood
36W 3420lm
Graphit m
34304.000 ⏻

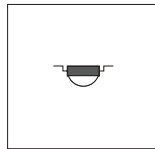


Spherolit lens, wide flood
24W 2280lm
Graphit m
34246.000 ⏻

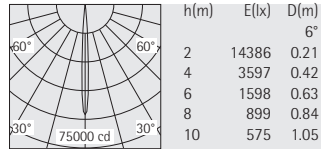


Spherolit lens, wide flood
36W 3420lm
Graphit m
34306.000 ⏻

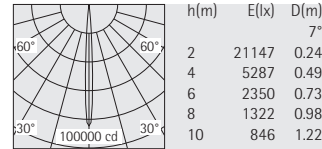
Powercast Projector with LED



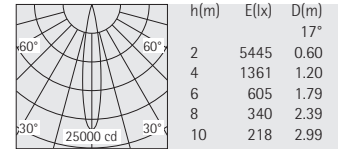
LED neutral white
4000K
Version 5



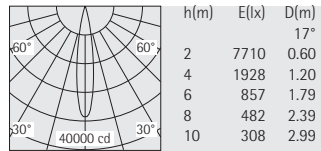
Spherolit lens, narrow spot
12W 1500lm
Graphit m
34255.000



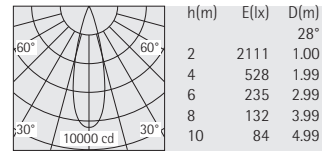
Spherolit lens, narrow spot
18W 2250lm
Graphit m
34291.000



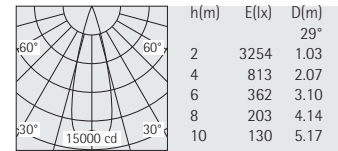
Spherolit lens, spot
24W 3000lm
Graphit m
34243.000



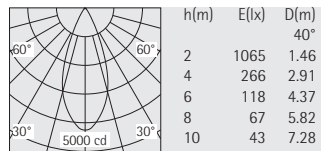
Spherolit lens, spot
36W 4500lm
Graphit m
34303.000



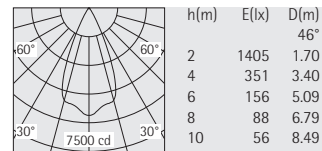
Spherolit lens, flood
24W 3000lm
Graphit m
34245.000



Spherolit lens, flood
36W 4500lm
Graphit m
34305.000



Spherolit lens, wide flood
24W 3000lm
Graphit m
34247.000



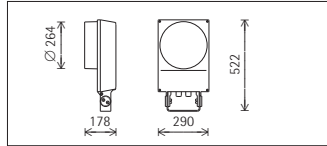
Spherolit lens, wide flood
36W 4500lm
Graphit m
34307.000

Waterwerken,
sculptures by
Ruud Kuijer,
Isotopenweg,
Utrecht.

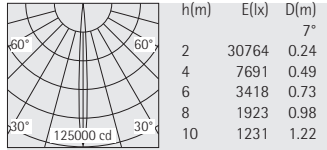
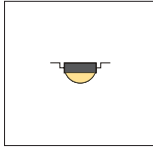


Powercast Projector with LED

Wattage:
32W - 48W
3040lm - 6000lm

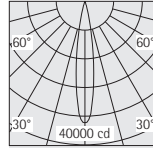


Weight 8.00kg

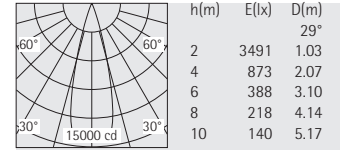


LED warm white
3000K
Version 5

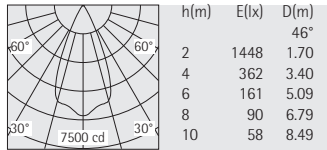
Spherolit lens, narrow spot
32W 3040lm
Graphit m
34296.000 ⏻



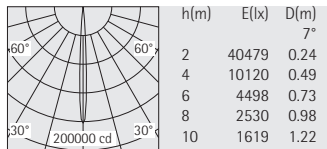
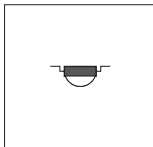
Spherolit lens, spot
48W 4560lm
Graphit m
34308.000 ⏻



Spherolit lens, flood
48W 4560lm
Graphit m
34310.000 ⏻

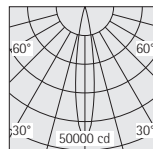


Spherolit lens, wide flood
48W 4560lm
Graphit m
34312.000 ⏻

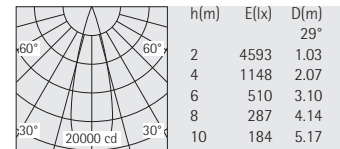


LED neutral white
4000K
Version 5

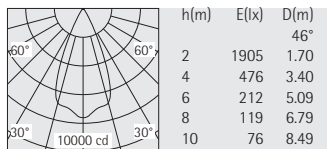
Spherolit lens, narrow spot
32W 4000lm
Graphit m
34297.000 ⏻



Spherolit lens, spot
48W 6000lm
Graphit m
34309.000 ⏻

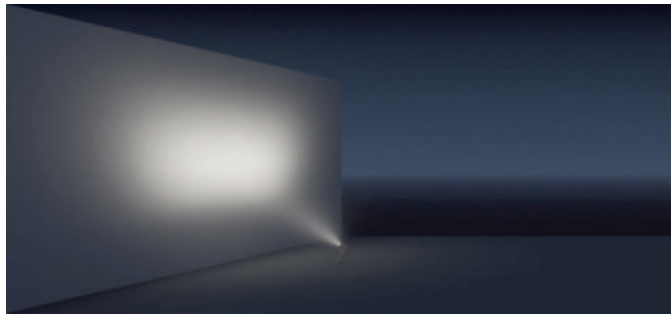
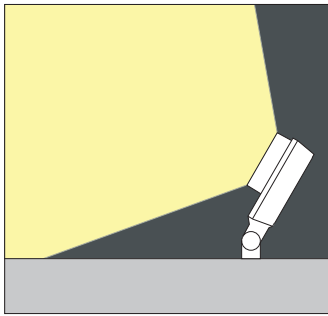


Spherolit lens, flood
48W 6000lm
Graphit m
34311.000 ⏻



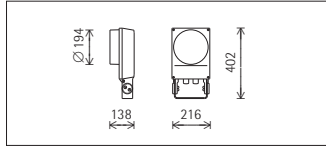
Spherolit lens, wide flood
48W 6000lm
Graphit m
34313.000 ⏻

Powercast Floodlight with LED

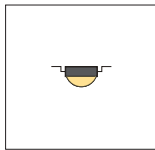


⏻ – switchable
Electronic control gear. Fitting the mounting bracket to the housing must be done on site.

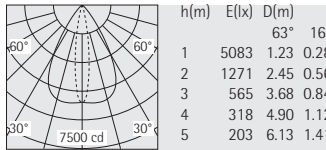
Wattage:
24W - 36W
2280lm - 4500lm



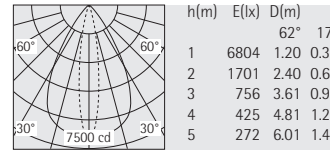
Weight 4.50kg



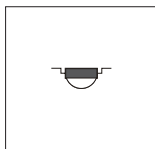
LED warm white
3000K
Version 5



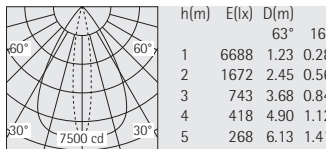
Spherolit lens, oval flood
24W 2280lm
Graphit m
34256.000 ⏻



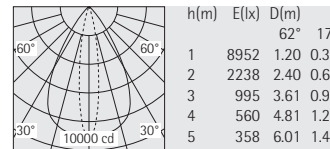
Spherolit lens, oval flood
36W 3420lm
Graphit m
34292.000 ⏻



LED neutral white
4000K
Version 5

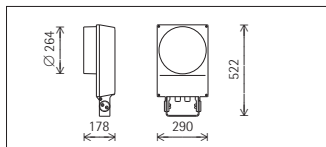


Spherolit lens, oval flood
24W 3000lm
Graphit m
34257.000 ⏻

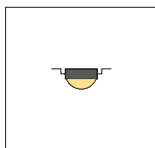


Spherolit lens, oval flood
36W 4500lm
Graphit m
34293.000 ⏻

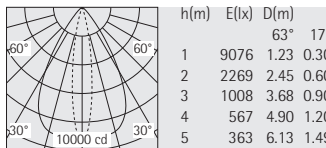
Wattage:
48W
4560lm - 6000lm



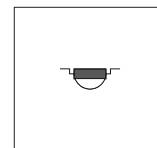
Weight 8.00kg



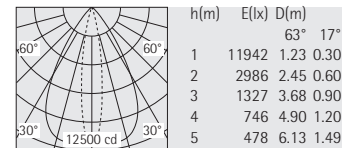
LED warm white
3000K
Version 5



Spherolit lens, oval flood
48W 4560lm
Graphit m
34298.000 ⏻

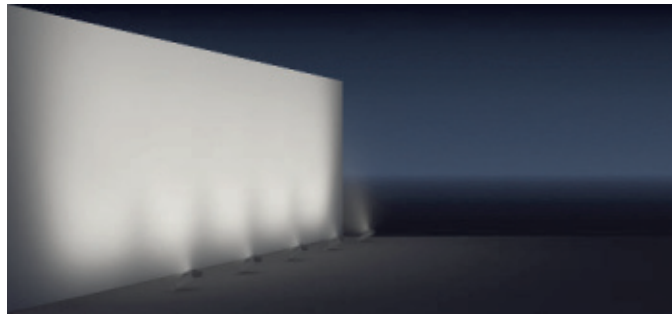
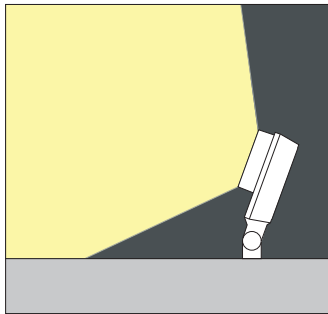


LED neutral white
4000K
Version 5



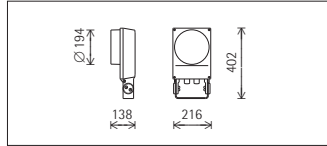
Spherolit lens, oval flood
48W 6000lm
Graphit m
34299.000 ⏻

Powercast Lens wallwasher with LED

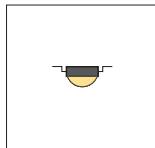


⏻ – switchable
Electronic control gear. Fitting the mounting bracket to the housing must be done on site.

Wattage:
24W - 36W
2280lm - 4500lm



Weight 4.50kg



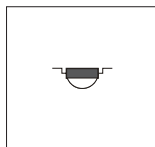
LED warm white
3000K
Version 5

Mean illuminance E_n (wall)
Angle of tilt 35°
Wall height (m) 4.0
Offset from wall (m) 1.50 1.75 2.00
Luminaire spacing (m) 1.50 1.75 2.00
Illuminance E_n (lx) **223 165 125**

Spherolit lens, wallwash
24W 2280lm
Graphit m
34258.000 ⏻

Mean illuminance E_n (wall)
Angle of tilt 35°
Wall height (m) 6.0
Offset from wall (m) 1.75 2.00 2.25
Luminaire spacing (m) 1.75 2.00 2.25
Illuminance E_n (lx) **203 165 135**

Spherolit lens, wallwash
36W 3420lm
Graphit m
34294.000 ⏻



LED neutral white
4000K
Version 5

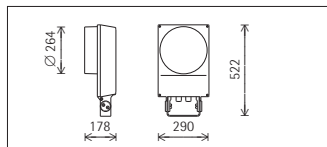
Mean illuminance E_n (wall)
Angle of tilt 35°
Wall height (m) 4.0
Offset from wall (m) 1.50 1.75 2.00
Luminaire spacing (m) 1.50 1.75 2.00
Illuminance E_n (lx) **293 217 164**

Spherolit lens, wallwash
24W 3000lm
Graphit m
34259.000 ⏻

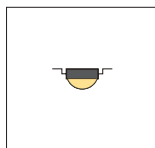
Mean illuminance E_n (wall)
Angle of tilt 35°
Wall height (m) 6.0
Offset from wall (m) 1.75 2.00 2.25
Luminaire spacing (m) 1.75 2.00 2.25
Illuminance E_n (lx) **267 217 177**

Spherolit lens, wallwash
36W 4500lm
Graphit m
34295.000 ⏻

Wattage:
48W
4560lm - 6000lm



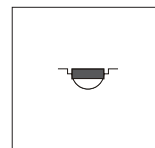
Weight 8.00kg



LED warm white
3000K
Version 5

Mean illuminance E_n (wall)
Angle of tilt 35°
Wall height (m) 8.0
Offset from wall (m) 2.00 2.25 2.50 2.75
Luminaire spacing (m) 2.00 2.25 2.50 2.75
Illuminance E_n (lx) **170 146 126 110**

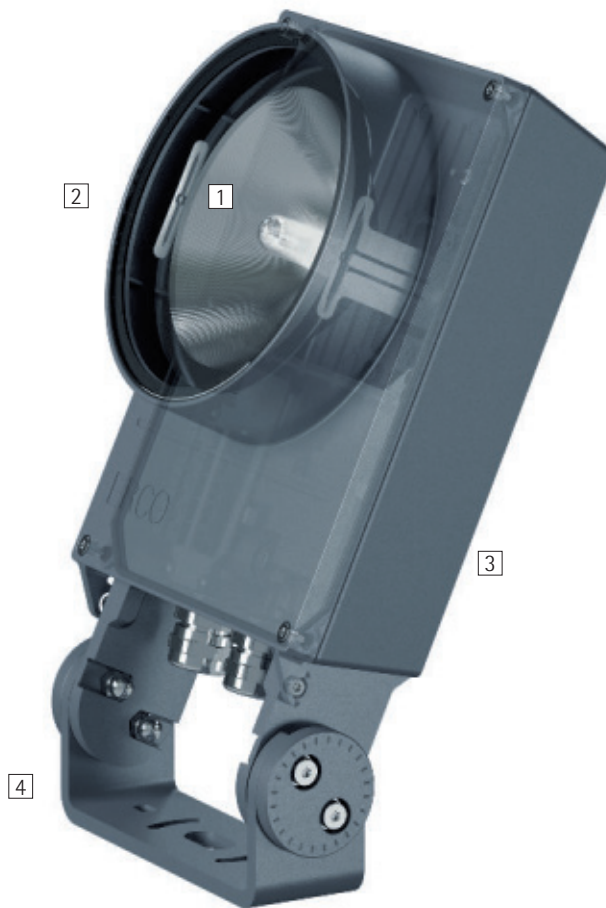
Spherolit lens, wallwash
48W 4560lm
Graphit m
34300.000 ⏻



LED neutral white
4000K
Version 5

Mean illuminance E_n (wall)
Angle of tilt 35°
Wall height (m) 8.0
Offset from wall (m) 2.00 2.25 2.50 2.75
Luminaire spacing (m) 2.00 2.25 2.50 2.75
Illuminance E_n (lx) **235 201 173 150**

Spherolit lens, wallwash
48W 6000lm
Graphit m
34301.000 ⏻



Structure and characteristics

The features described here are typical of products in this range. Special versions may offer additional or varying features. A comprehensive description of the features of individual products can be found on our ERCO Light Scout website. The direct links for quick access always take the same form:

www.erco.com/<article number>

Detailed information on the features is provided from page 486.

1 ERCO Spherolit reflector

- Aluminium, mirror-finish anodised
- Replacement without tools
- Light distributions: narrow spot, spot, flood, wide flood, oval flood or washlight
- Oval flood rotatable through 90°
- Washlight rotatable through 360°

2 Snoot

- Corrosion-resistant cast aluminium, No-Rinse surface treatment
- Graphit m, double powder-coated
- Safety glass

3 Housing

- Graphit m
- Corrosion-resistant cast aluminium, No-Rinse surface treatment
- Double powder-coated
- Optimised surface for reduced accumulation of dirt
- ±90° tilt
- Electronic control gear or control gear with temperature controller, timer-ignitor, capacitor




4 Mounting bracket

- Corrosion-resistant aluminium, No-Rinse surface treatment
- Graphit m, double powder-coated
- Fitting the mounting bracket to the housing must be done on site

Protection mode IP65

Dust-tight and water jet-proof

Special characteristics

-  High lumen packages for very high illuminances
-  Different sizes
-  Lockable

 Efficient Spherolit technology

 Different light distributions

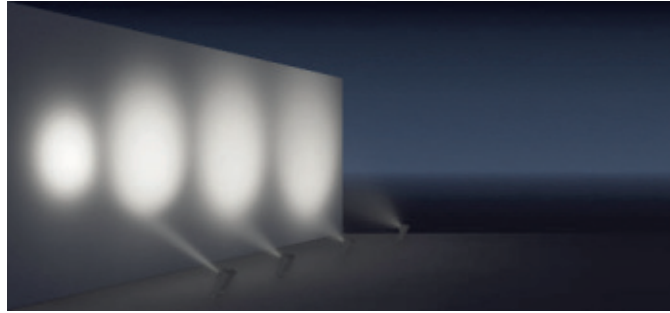
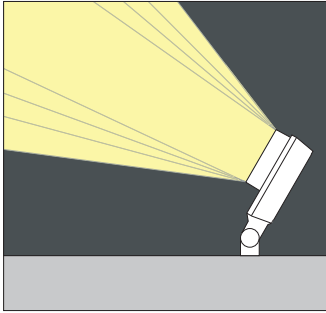
 Graduations for precision setting

 Tiltable ±90°

 Protection mode IP65

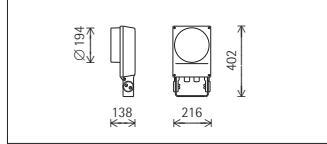
 Switchable

Powercast Projector for metal halide lamps

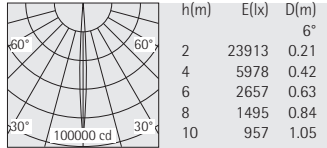
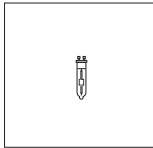


☺ – switchable
 20W: electronic control gear.
 35W-250W: control gear with temperature controller, timed-ignitor. Fitting the mounting bracket to the housing must be done on site.

Wattage:
 20W - 70W
 1800lm - 7500lm

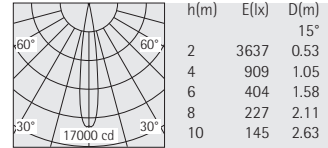


Weight 4.65kg - 5.80kg

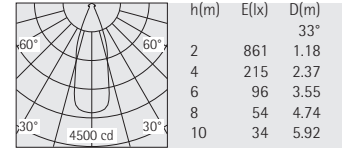


HIT-TC-CE

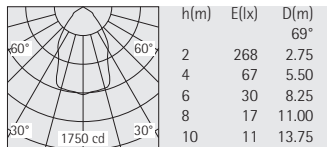
Spherolit reflector, narrow spot
 20W GU6.5 1800lm
 Graphit m
34203.000 ☺



Spherolit reflector, spot
 20W GU6.5 1800lm
 Graphit m
34200.000 ☺



Spherolit reflector, flood
 20W GU6.5 1800lm
 Graphit m
34206.000 ☺

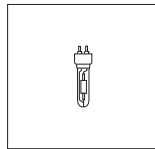


Spherolit reflector, wide flood
 20W GU6.5 1800lm
 Graphit m
34209.000 ☺

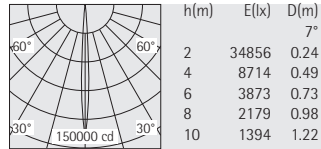


Museu Etnologic,
 Barcelona. Archi-
 tect: ICUB (Insti-
 tut de Cultura de
 Barcelona).

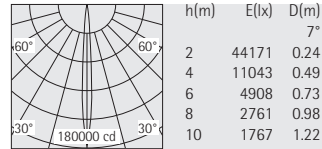
Powercast Projector for metal halide lamps



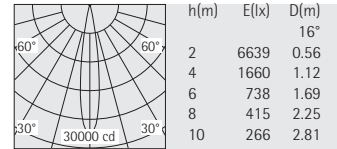
HIT-CE



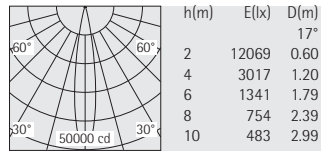
Spherolit reflector, narrow spot
35W G12 3700lm
Graphit m
34204.000 ⏻



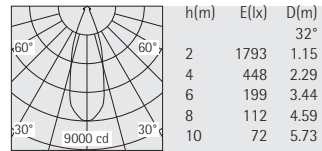
Spherolit reflector, narrow spot
70W G12 7500lm
Graphit m
34205.000 ⏻



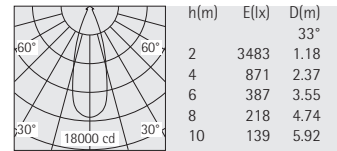
Spherolit reflector, spot
35W G12 3700lm
Graphit m
34201.000 ⏻



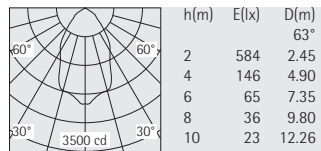
Spherolit reflector, spot
70W G12 7500lm
Graphit m
34202.000 ⏻



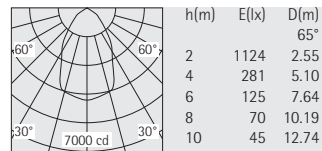
Spherolit reflector, flood
35W G12 3700lm
Graphit m
34207.000 ⏻



Spherolit reflector, flood
70W G12 7500lm
Graphit m
34208.000 ⏻



Spherolit reflector, wide flood
35W G12 3700lm
Graphit m
34210.000 ⏻



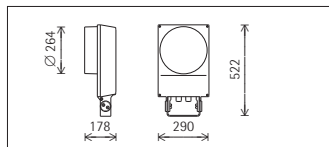
Spherolit reflector, wide flood
70W G12 7500lm
Graphit m
34211.000 ⏻

Vial UAB Bel-
laterra, Barcelona.
Architects: Bru
Lacomba Setoain,
Barcelona.

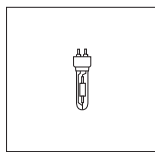


Powercast Projector for metal halide lamps

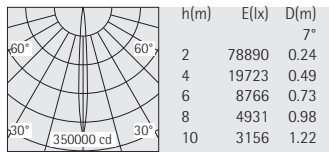
Wattage:
150W - 250W
14000lm -
23000lm



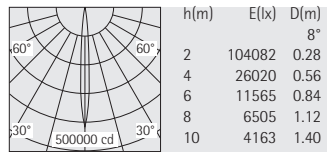
Weight 8.80kg - 10.00kg



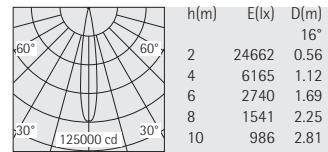
HIT-CE



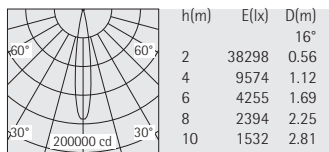
Spherolit reflector, narrow spot
150W G12 14000lm
Graphit m
34231.000



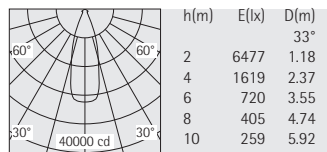
Spherolit reflector, narrow spot
250W G12 23000lm
Graphit m
34237.000



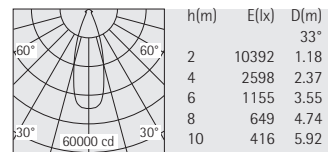
Spherolit reflector, spot
150W G12 14000lm
Graphit m
34230.000



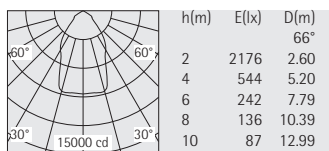
Spherolit reflector, spot
250W G12 23000lm
Graphit m
34236.000



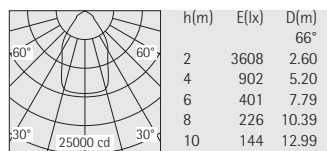
Spherolit reflector, flood
150W G12 14000lm
Graphit m
34232.000



Spherolit reflector, flood
250W G12 23000lm
Graphit m
34238.000



Spherolit reflector, wide flood
150W G12 14000lm
Graphit m
34233.000

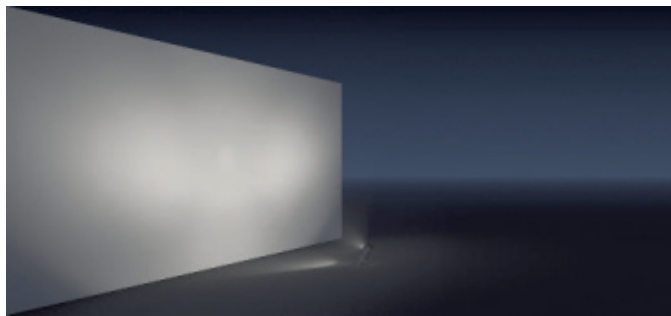
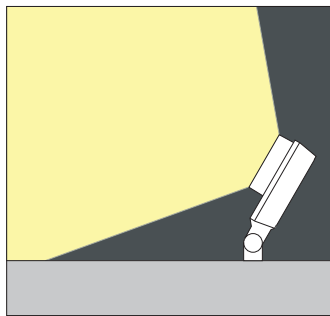


Spherolit reflector, wide flood
250W G12 23000lm
Graphit m
34239.000



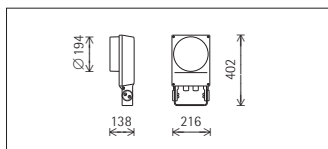
With Spherolit reflector in wash-light version, the Powercast wall-washers are ideal for vertical illumination in the outdoor area – a key factor in ensuring efficient visual comfort.

Powercast Floodlight for metal halide lamps

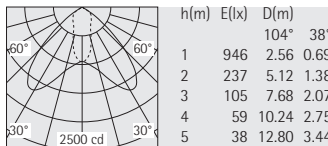
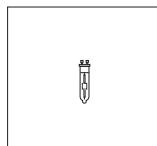


⏻ – switchable
 20W: electronic control gear.
 35W-250W: control gear with temperature controller, timed-ignitor. Fitting the mounting bracket to the housing must be done on site.

Wattage:
 20W - 70W
 1800lm - 7500lm

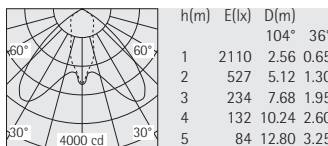
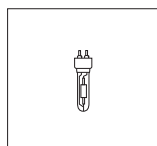


Weight 4.65kg - 5.80kg



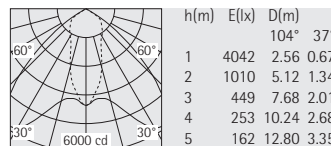
HIT-TC-CE

Spherolit reflector, oval flood
 20W GU6.5 1800lm
 Graphit m
34212.000 ⏻



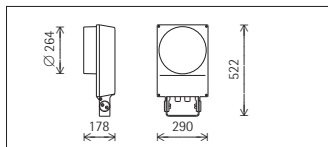
HIT-CE

Spherolit reflector, oval flood
 35W G12 3700lm
 Graphit m
34213.000 ⏻

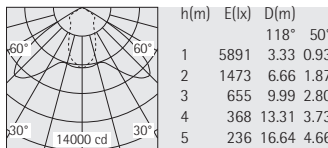
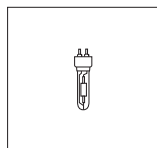


Spherolit reflector, oval flood
 70W G12 7500lm
 Graphit m
34214.000 ⏻

Wattage:
 150W - 250W
 14000lm - 23000lm

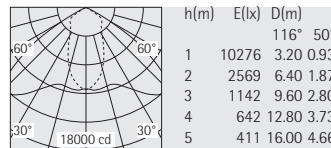


Weight 8.80kg - 10.00kg



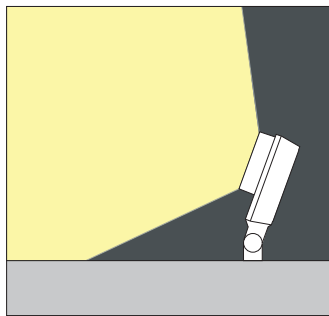
HIT-CE

Spherolit reflector, oval flood
 150W G12 14000lm
 Graphit m
34234.000 ⏻



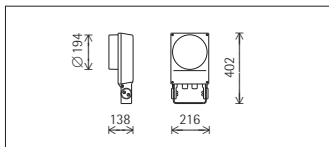
Spherolit reflector, oval flood
 250W G12 23000lm
 Graphit m
34240.000 ⏻

Powercast Wallwasher for metal halide lamps

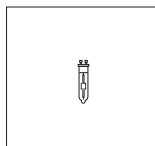


⏻ – switchable
 20W: electronic control gear.
 35W-250W: control gear with temperature controller, timed-ignitor. Fitting the mounting bracket to the housing must be done on site.

Wattage:
 20W - 70W
 1800lm - 7500lm



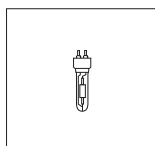
Weight 4.65kg - 5.80kg



HIT-TC-CE

Mean illuminance E_n (wall)
 Angle of tilt 55°
 Wall height (m) 3.0
 Offset from wall (m) 1.50 1.50 2.00 2.00
 Luminaire spacing (m) 1.50 1.75 2.00 2.25
 Illuminance E_n (lx) **184 158 118 105**

Spherolit reflector, washlight
 20W GU6.5 1800lm
 Graphit m
34215.000 ⏻



HIT-CE

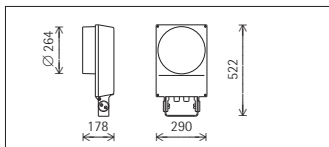
Mean illuminance E_n (wall)
 Angle of tilt 55°
 Wall height (m) 4.0
 Offset from wall (m) 2.00 2.00 2.50
 Luminaire spacing (m) 2.00 2.50 2.50
 Illuminance E_n (lx) **209 167 150**

Spherolit reflector, washlight
 35W G12 3700lm
 Graphit m
34216.000 ⏻

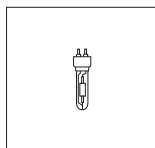
Mean illuminance E_n (wall)
 Angle of tilt 55°
 Wall height (m) 6.0
 Offset from wall (m) 2.50 3.00 3.50
 Luminaire spacing (m) 2.50 3.00 3.50
 Illuminance E_n (lx) **231 180 144**

Spherolit reflector, washlight
 70W G12 7500lm
 Graphit m
34217.000 ⏻

Wattage:
 150W - 250W
 14000lm - 23000lm



Weight 8.80kg - 10.00kg



HIT-CE

Mean illuminance E_n (wall)
 Angle of tilt 55°
 Wall height (m) 8.0
 Offset from wall (m) 3.00 4.00 5.00
 Luminaire spacing (m) 3.00 4.00 5.00
 Illuminance E_n (lx) **279 189 137**

Spherolit reflector, washlight
 150W G12 14000lm
 Graphit m
34235.000 ⏻

Mean illuminance E_n (wall)
 Angle of tilt 55°
 Wall height (m) 10.0
 Offset from wall (m) 4.00 4.00 5.00
 Luminaire spacing (m) 4.00 4.50 5.00
 Illuminance E_n (lx) **273 243 203**

Spherolit reflector, washlight
 250W G12 23000lm
 Graphit m
34241.000 ⏻

Powercast Accessories

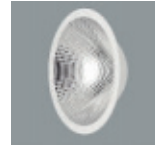
Suitable accessories for each article are indicated on the relevant product specification sheet. Product specification sheets are available in ERCO's Light Scout at: www.erco.com/<article number>



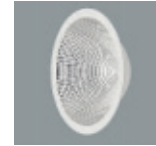
34275.000
34279.000
Spherolit reflector, narrow spot
Reflector replacement without tools: aluminium, silver, mirror-finish anodised.



34276.000
34280.000
Spherolit reflector, spot
Reflector replacement without tools: aluminium, silver, mirror-finish anodised.



34277.000
34281.000
Spherolit reflector, flood
Reflector replacement without tools: aluminium, silver, mirror-finish anodised.



34278.000
34282.000
Spherolit reflector, wide flood
Reflector replacement without tools: aluminium, silver, mirror-finish anodised.



34283.000
34284.000
Softec lens



34262.000
Skintone filter



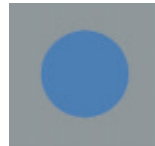
34264.000
Daylight conversion filter



34266.000
Colour filter
Magenta



34268.000
Colour filter
Amber



34270.000
Colour filter
Sky blue



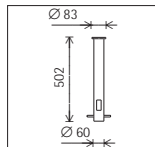
34272.000
Colour filter
Night blue



34260.000
34261.000
Anti-glare cylinder
Metal, black.



34974.000
Distribution box, IP68
With four cable entries, 7-25mm.
Plastic.
ø 102mm,
L 305mm.
Weight 0.47kg



33975.000
Ground socket
Metal, hot-dip galvanised.
Cable entry.
Weight 1.75kg

Fitted with Spherolit reflectors or lenses, the Powercast range provides the right light distribution for a multitude of lighting applications in the outdoor area – from efficient wallwashers to the precise spot version.





A floodlight for any purpose

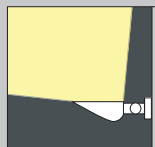
Parscoop ensures powerful wallwashing and ceiling washlighting in outdoor and indoor areas.

Parks, historic sites, buildings – Parscoop comes into its own wherever powerful and high-quality floodlighting is required. Deep or wide surfaces, walls or ceilings – its different light intensity distributions and levels of luminous flux along with flexible adjustment and mounting options mean that Parscoop responds well to any of your lighting tasks and requirements.

Mounted quickly and easily, the graduated disk on the hinge helps you align the luminaire effortlessly with reproducible accuracy. The housing ensures highly weather-resistant and stylish protection for the maintenance-free optoelectronics of the LED luminaires and the photometrics of the metal halide lamps.



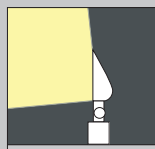
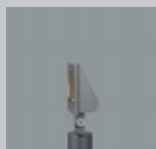
Washlighting
Wide-beam illumination of spatial zones.



Wallwashers/ceiling washlights
Asymmetrical light distribution for highly uniform wallwashing or ceiling washlighting.

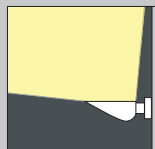
LED
24W - 48W
2280lm - 6000lm
Light distribution: Wide beam, Deep beam

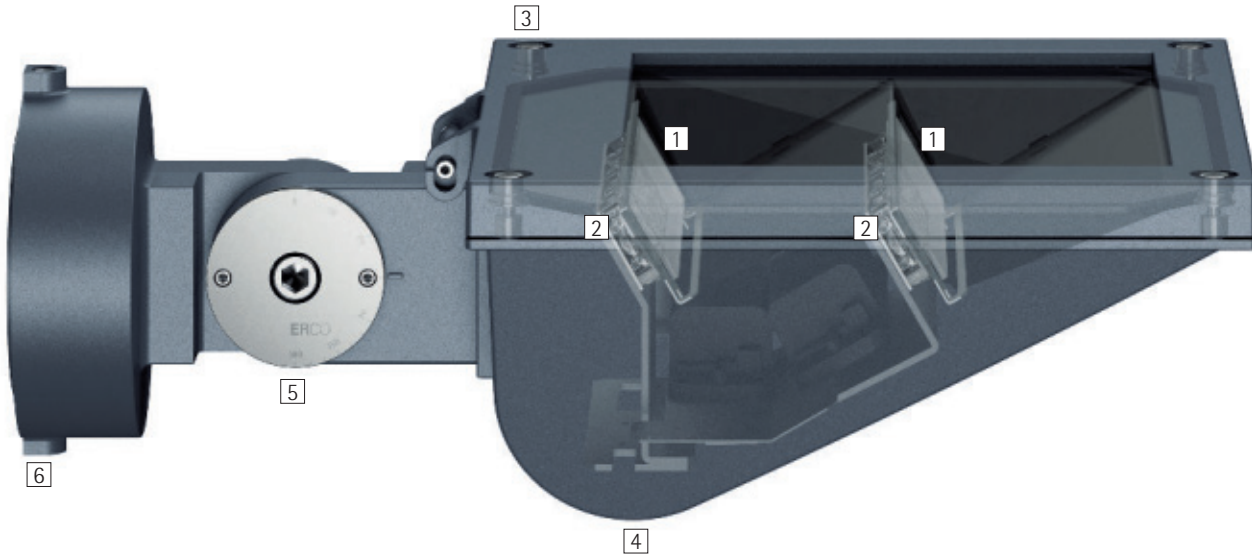
Metal halide lamps
35W - 400W
3700lm - 35000lm



Ceiling washlights
Asymmetrical washlighting for uniform illumination of the ceiling.

LED
24W - 48W
2280lm - 6000lm
Light distribution: Wide beam, Deep beam





Structure and characteristics

The features described here are typical of products in this range. Special versions may offer additional or varying features. A comprehensive description of the features of individual products can be found on our ERCO Light Scout website. The direct links for quick access always take the same form:

www.erco.com/<article number>

Detailed information on the features is provided from page 486.

1 ERCO Spherolit lens

- Light distributions: wide beam or deep beam

2 ERCO LED module

- High-power LEDs on metal-core PCB
- Light colours: warm white or neutral white
- Collimating lens made of optical polymer

3 Cover frame

- Corrosion-resistant cast aluminium, No-Rinse surface treatment
- Graphit m, double powder-coated
- Safety glass

4 Housing

- Graphit m
- Corrosion-resistant cast aluminium, No-Rinse surface treatment
- Double powder-coated
- Optimised surface for reduced accumulation of dirt

Control gear:

- Phase dimmable
- Dimming with external dimmers possible (trailing edge)

5 Hinge

- Corrosion-resistant cast aluminium, No-Rinse surface treatment
- Graphit m, double powder-coated
- Internal wiring
- $\pm 90^\circ$ tilt
- Graduated disc: corrosion-resistant aluminium

6 Mounting plate

- Corrosion-resistant cast aluminium, No-Rinse surface treatment
- Graphit m, double powder-coated
- 240° rotation

or

Mounting bracket

- For mounting on accessories
- Corrosion-resistant cast aluminium, No-Rinse surface treatment
- Graphit m, double powder-coated
- Mounting accessories to be ordered separately

Protection mode

- Luminaires with mounting plate: IP65 – Dust-tight and water jet-proof
- Luminaires with mounting bracket: IP44 – Protection against foreign objects >1mm and against splashes

Special characteristics

Different light distributions: wide or deep

Different sizes

Lockable

Large luminaire spacing for ceiling washlighting/wallwashing

ERCO high-power LEDs

Efficient Spherolit technology

Different light colours

Excellent thermal management

Graduations for precision setting

Tiltable $\pm 90^\circ$

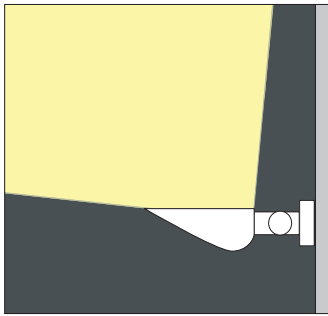
Protection mode IP65

Protection mode IP44

Accessories for mounting versions

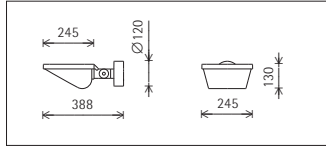
Phase dimmable

Parscoop Wallwasher/ceiling washlight with mounting plate and LED

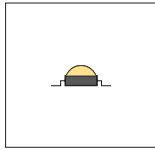


Dim – phase dimmable
Electronic control gear, dimmable. Dimming with external dimmers possible (trailing edge).

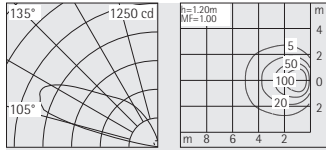
Wattage:
24W
2280lm - 3000lm



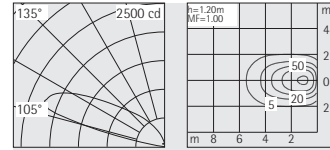
Weight 3.70kg



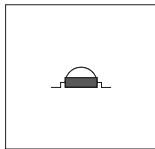
LED warm white
3000K
Version 2



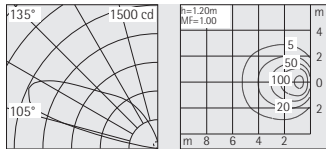
Spherolit lens, wide beam
24W 2280lm
Graphit m
33208.000 Dim



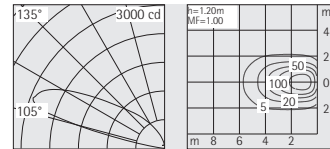
Spherolit lens, deep beam
24W 2280lm
Graphit m
33206.000 Dim



LED neutral white
4000K
Version 2

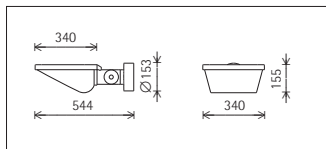


Spherolit lens, wide beam
24W 3000lm
Graphit m
33209.000 Dim

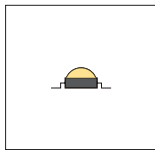


Spherolit lens, deep beam
24W 3000lm
Graphit m
33207.000 Dim

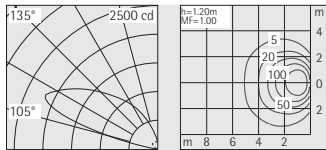
Wattage:
48W
4560lm - 6000lm



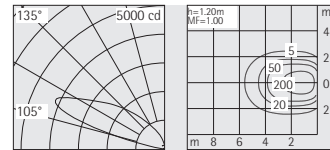
Weight 9.10kg



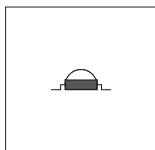
LED warm white
3000K
Version 2



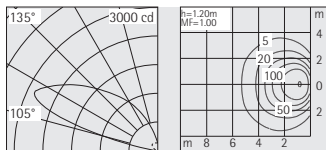
Spherolit lens, wide beam
48W 4560lm
Graphit m
33251.000 Dim



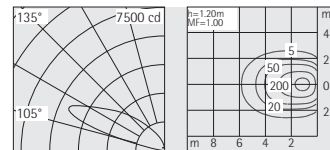
Spherolit lens, deep beam
48W 4560lm
Graphit m
33238.000 Dim



LED neutral white
4000K
Version 2

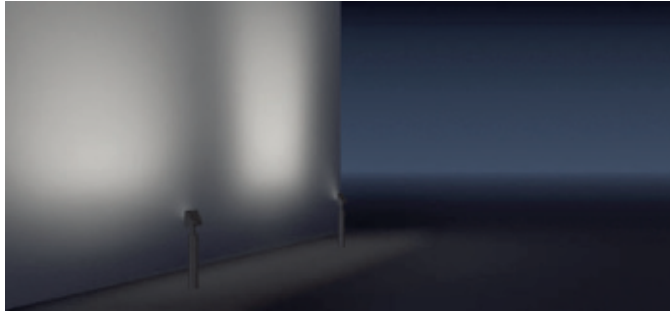
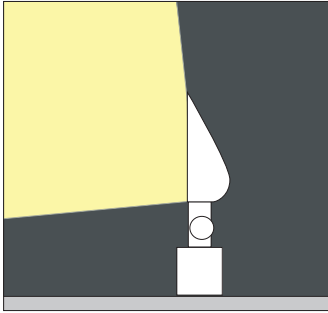


Spherolit lens, wide beam
48W 6000lm
Graphit m
33252.000 Dim



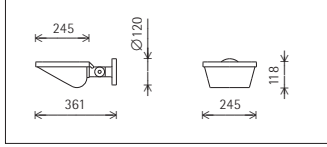
Spherolit lens, deep beam
48W 6000lm
Graphit m
33239.000 Dim

Parscoop Wallwasher/ceiling washlight with mounting bracket and LED

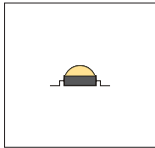


Dim – phase dimmable
For mounting on accessories. Electronic control gear, dimmable. Dimming with external dimmers possible (trailing edge). Mounting accessories to be ordered separately.

Wattage:
24W
2280lm - 3000lm



Weight 3.60kg



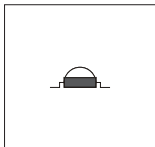
LED warm white
3000K
Version 2

Mean illuminance E_n (wall)				
Wall height (m)	4.0			
Offset from wall (m)	1.50	1.50	1.50	1.75
Luminaire spacing (m)	1.75	2.00	2.25	2.75
Illuminance E_n (lx)	95	84	74	54

Spherolit lens, wide beam
24W 2280lm
Graphit m
33232.000 Dim

Mean illuminance E_n (wall)				
Wall height (m)	4.0			
Offset from wall (m)	1.50	1.50	1.75	2.00
Luminaire spacing (m)	1.50	1.75	2.00	2.50
Illuminance E_n (lx)	162	139	107	75

Spherolit lens, deep beam
24W 2280lm
Graphit m
33230.000 Dim



LED neutral white
4000K
Version 2

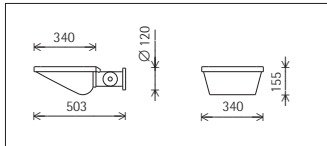
Mean illuminance E_n (wall)				
Wall height (m)	4.0			
Offset from wall (m)	1.50	1.50	1.50	1.75
Luminaire spacing (m)	1.75	2.00	2.25	2.75
Illuminance E_n (lx)	125	110	98	71

Spherolit lens, wide beam
24W 3000lm
Graphit m
33233.000 Dim

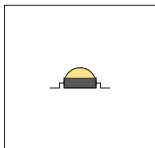
Mean illuminance E_n (wall)				
Wall height (m)	4.0			
Offset from wall (m)	1.50	1.50	1.75	2.00
Luminaire spacing (m)	1.50	1.75	2.00	2.50
Illuminance E_n (lx)	214	183	141	99

Spherolit lens, deep beam
24W 3000lm
Graphit m
33231.000 Dim

Wattage:
48W
4560lm - 6000lm



Weight 8.60kg



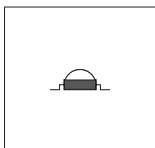
LED warm white
3000K
Version 2

Mean illuminance E_n (wall)				
Wall height (m)	6.0			
Offset from wall (m)	2.00	2.00	2.25	2.25
Luminaire spacing (m)	2.00	3.00	2.25	3.50
Illuminance E_n (lx)	128	87	106	70

Spherolit lens, wide beam
48W 4560lm
Graphit m
33255.000 Dim

Mean illuminance E_n (wall)				
Wall height (m)	6.0			
Offset from wall (m)	1.75	1.75	2.00	2.00
Luminaire spacing (m)	2.00	2.25	2.00	2.50
Illuminance E_n (lx)	187	166	176	141

Spherolit lens, deep beam
48W 4560lm
Graphit m
33253.000 Dim



LED neutral white
4000K
Version 2

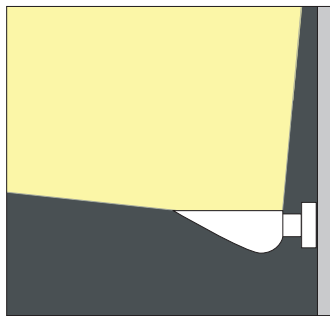
Mean illuminance E_n (wall)				
Wall height (m)	6.0			
Offset from wall (m)	2.00	2.00	2.25	2.25
Luminaire spacing (m)	2.00	3.00	2.25	3.50
Illuminance E_n (lx)	169	115	140	92

Spherolit lens, wide beam
48W 6000lm
Graphit m
33256.000 Dim

Mean illuminance E_n (wall)				
Wall height (m)	6.0			
Offset from wall (m)	1.75	1.75	2.00	2.00
Luminaire spacing (m)	2.00	2.25	2.00	2.50
Illuminance E_n (lx)	245	218	232	186

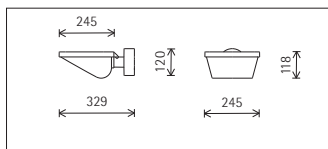
Spherolit lens, deep beam
48W 6000lm
Graphit m
33254.000 Dim

Parscoop Ceiling washlights with mounting plate and LED

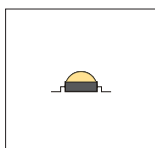


Dim – phase dimmable
Electronic control gear, dimmable. Dimming with external dimmers possible (trailing edge).

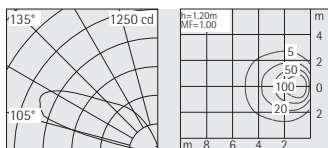
Wattage:
24W
2280lm - 3000lm



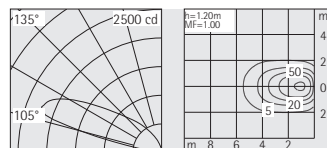
Weight 3.50kg



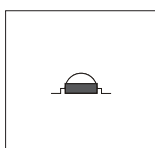
LED warm white
3000K
Version 2



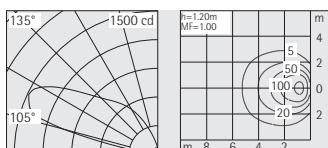
Spherolit lens, wide beam
24W 2280lm
Graphit m
33204.000 Dim



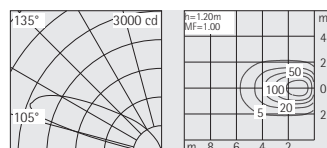
Spherolit lens, deep beam
24W 2280lm
Graphit m
33202.000 Dim



LED neutral white
4000K
Version 2

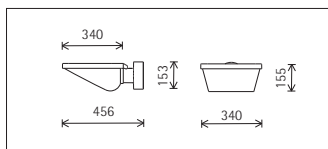


Spherolit lens, wide beam
24W 3000lm
Graphit m
33205.000 Dim

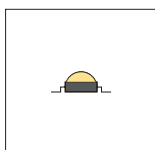


Spherolit lens, deep beam
24W 3000lm
Graphit m
33203.000 Dim

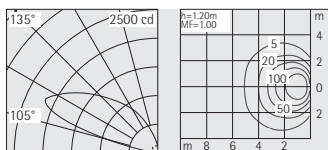
Wattage:
48W
4560lm - 6000lm



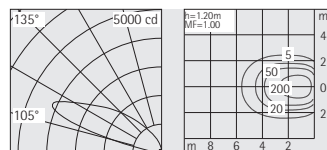
Weight 8.30kg



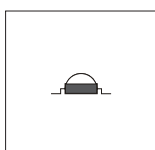
LED warm white
3000K
Version 2



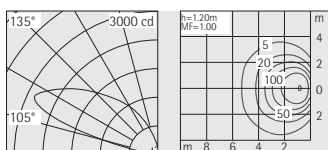
Spherolit lens, wide beam
48W 4560lm
Graphit m
33236.000 Dim



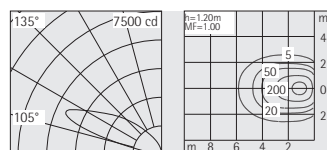
Spherolit lens, deep beam
48W 4560lm
Graphit m
33234.000 Dim



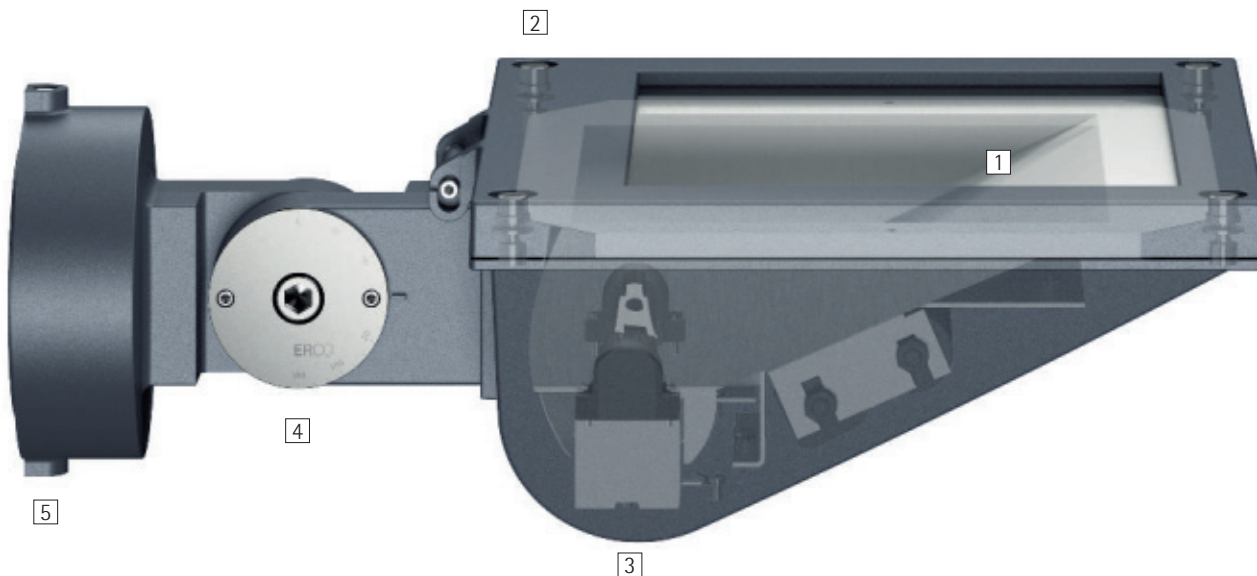
LED neutral white
4000K
Version 2



Spherolit lens, wide beam
48W 6000lm
Graphit m
33237.000 Dim



Spherolit lens, deep beam
48W 6000lm
Graphit m
33235.000 Dim



Structure and characteristics

The features described here are typical of products in this range. Special versions may offer additional or varying features. A comprehensive description of the features of individual products can be found on our ERCO Light Scout website. The direct links for quick access always take the same form:

www.erco.com/<article number>

Detailed information on the features is provided from page 486.

1 ERCO reflector

- Aluminium, silver anodised
- Without spill light

2 Cover frame

- Graphit m, white (RAL9002) or Silver m
- Corrosion-resistant cast aluminium, No-Rinse surface treatment
- Double powder-coated
- Safety glass

3 Housing

- Graphit m, white (RAL9002) or Silver m
- Corrosion-resistant cast aluminium, No-Rinse surface treatment
- Double powder-coated
- Optimised surface for reduced accumulation of dirt
- Control gear with temperature controller, timer-ignitor, capacitor

4 Hinge

- Corrosion-resistant cast aluminium, No-Rinse surface treatment
- Double powder-coated
- Internal wiring
- $\pm 90^\circ$ tilt
- Graduated disc: corrosion-resistant aluminium

5 Mounting plate

- Corrosion-resistant cast aluminium, No-Rinse surface treatment
- Double powder-coated
- 240° rotation

or


Mounting bracket

- For mounting on accessories
- Corrosion-resistant cast aluminium, No-Rinse surface treatment
- Double powder-coated
- Mounting accessories to be ordered separately


Protection mode

- Luminaires with mounting plate: IP65 – Dust-tight and water jet-proof
- Luminaires with mounting bracket: IP44 – Protection against foreign objects >1mm and against splashes


Special characteristics

 High lumen packages for very high illuminances

 Different housing colours

 Different sizes

 Lockable

 Graduations for precision setting

 Tiltable $\pm 90^\circ$

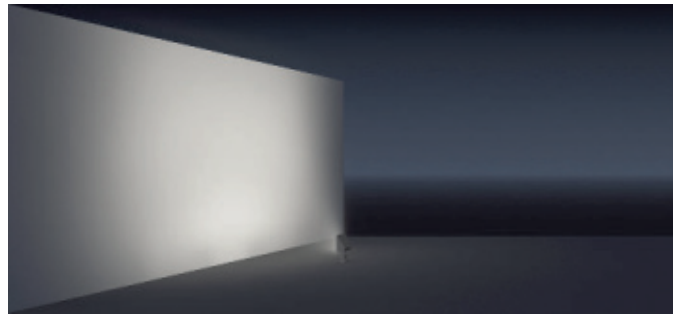
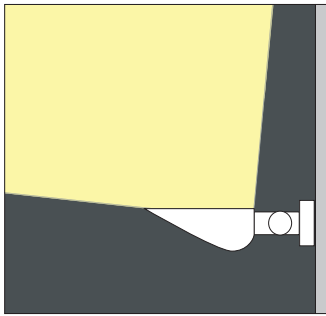
 Protection mode IP65

 Protection mode IP44

 Accessories for mounting versions

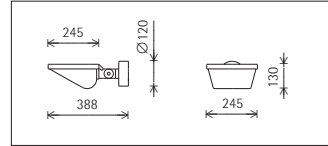
 Switchable

Parscoop Wallwasher/ceiling washlight with mounting plate for metal halide lamps

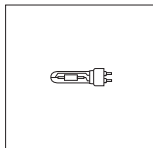


⏻ – switchable
Control gear with temperature controller, timed-ignitor.

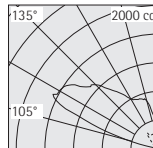
Wattage:
35W
3700lm



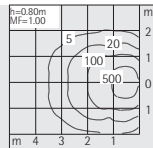
Weight 5.30kg



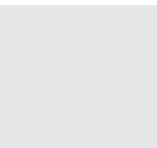
HIT-CE



35W G12 3700lm
Graphit m
33242.000 ⏻

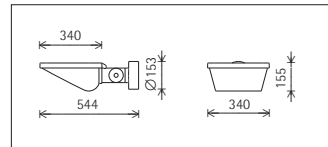


White
33213.000 ⏻

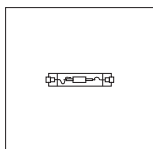


Silver m
33212.000 ⏻

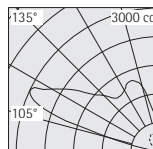
Wattage:
70W - 150W
6500lm -
14200lm



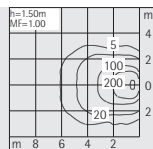
Weight 9.90kg - 10.40kg



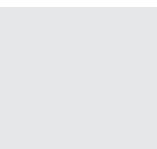
HIT-DE-CE



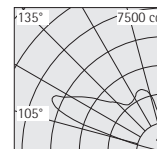
70W RX7s 6500lm
Graphit m
33245.000 ⏻



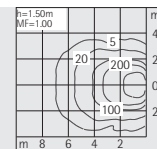
White
33219.000 ⏻



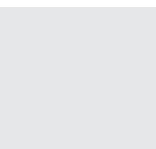
Silver m
33218.000 ⏻



150W RX7s 14200lm
Graphit m
33246.000 ⏻



White
33221.000 ⏻



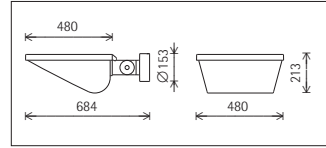
Silver m
33220.000 ⏻

Museum voor Natuurwetenschappen, Brussels. Architect and lighting designer: SumProject, Brussels. Gallery of Evolution - Scenography: Atelier de l'île, Paris. Exhibition lighting: Cosil, Paris.

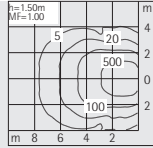
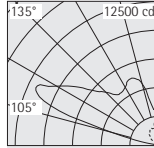
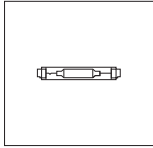


Parscoop Wallwasher/ceiling washlight with mounting plate for metal halide lamps

Wattage:
250W - 400W
20000lm -
35000lm



Weight 19.40kg - 20.10kg

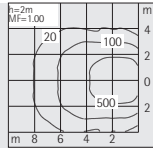
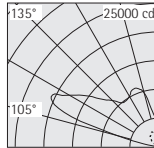
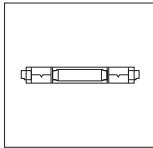


HIT-DE

250W Fc2 20000lm
Graphit m
33249.000 ⏻

White
33227.000 ⏻

Silver m
33226.000 ⏻



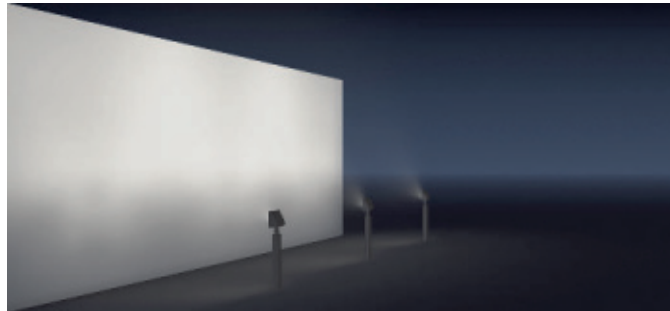
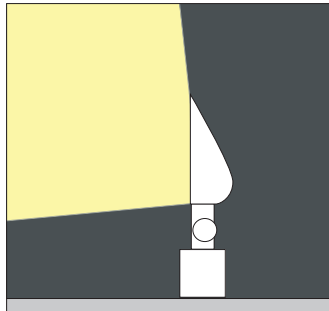
HIT-DE

400W Fc2 35000lm
Graphit m
33250.000 ⏻

White
33229.000 ⏻

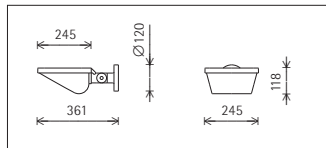
Silver m
33228.000 ⏻

Parscoop Wallwasher/ceiling washlight with mounting bracket for metal halide lamps

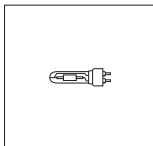


⏻ – **switchable**
For mounting on accessories. Control gear with temperature controller, timed-ignitor. Mounting accessories to be ordered separately.

Wattage:
35W
3700lm



Weight 5.20kg



Mean illuminance E_n (wall)

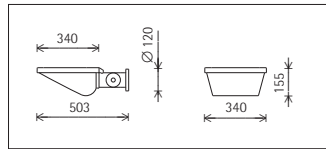
Wall height (m)	4.0			
Offset from wall (m)	1.50	1.50	2.00	2.00
Luminaire spacing (m)	1.50	2.50	2.00	3.00
Illuminance E_n (lx)	254	154	165	110

HIT-CE

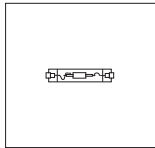
35W G12 3700lm
Graphit m
33273.000 ⏻

Parscoop Wallwasher/ceiling washlight with mounting bracket for metal halide lamps

Wattage:
70W - 150W
6500lm -
14200lm



Weight 9.40kg - 9.90kg



HIT-DE-CE

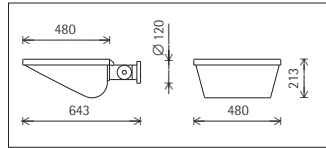
Mean illuminance E_n (wall)				
Wall height (m)	6.0			
Offset from wall (m)	2.00	2.00	2.50	2.50
Luminaire spacing (m)	2.00	3.00	2.50	3.50
Illuminance E_n (lx)	237	158	172	123

70W RX7s 6500lm
Graphit m
33278.000 ⏻

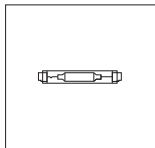
Mean illuminance E_n (wall)				
Wall height (m)	6.0			
Offset from wall (m)	2.00	2.00	2.50	2.50
Luminaire spacing (m)	2.00	3.00	2.50	3.50
Illuminance E_n (lx)	381	255	271	194

150W RX7s 14200lm
Graphit m
33276.000 ⏻

Wattage:
250W - 400W
20000lm -
35000lm



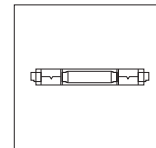
Weight 18.90kg - 19.60kg



HIT-DE

Mean illuminance E_n (wall)				
Wall height (m)	8.0			
Offset from wall (m)	3.00	3.00	4.00	4.00
Luminaire spacing (m)	3.00	4.00	4.00	5.00
Illuminance E_n (lx)	316	238	201	161

250W Fc2 20000lm
Graphit m
33281.000 ⏻



HIT-DE

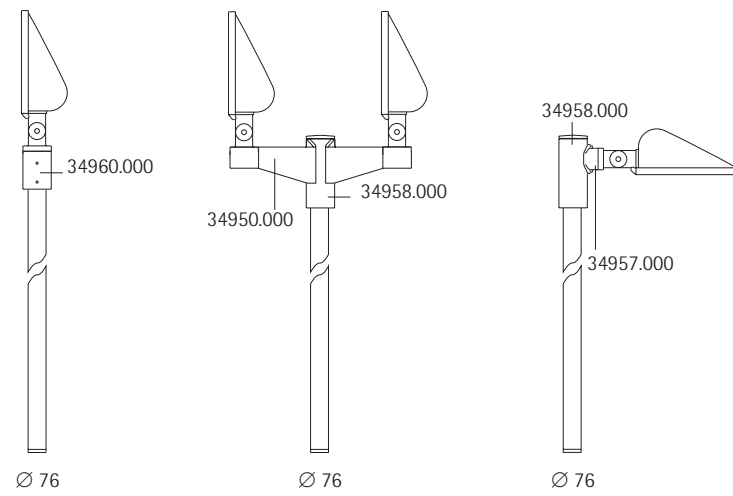
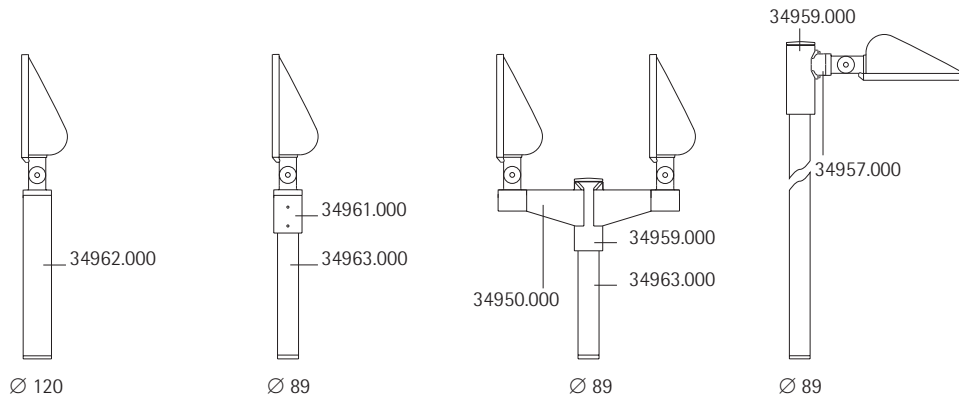
Mean illuminance E_n (wall)				
Wall height (m)	8.0			
Offset from wall (m)	3.00	3.00	4.00	4.00
Luminaire spacing (m)	3.00	4.00	4.00	5.00
Illuminance E_n (lx)	553	417	352	282

400W Fc2 35000lm
Graphit m
33282.000 ⏻

The New York Times Building, New York. Architect: Renzo Piano Building Workshop, Genoa/Paris, FXFowle Architects, New York. Lighting design: OVI Office for Visual Interaction, New York.

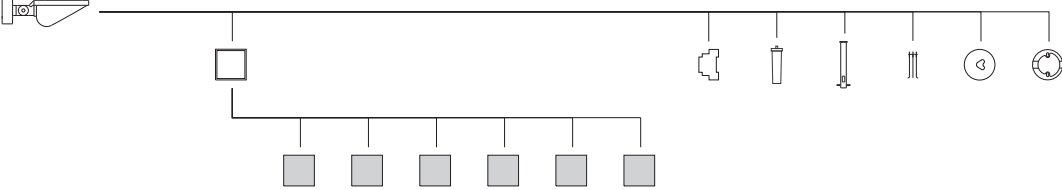


Parscoop




Bærum Rådhus, Sandvika. Architect: Magnus Poulsson (1881-1951). Lighting design: Linda Knoph Vigsnæs, Hvalstad.

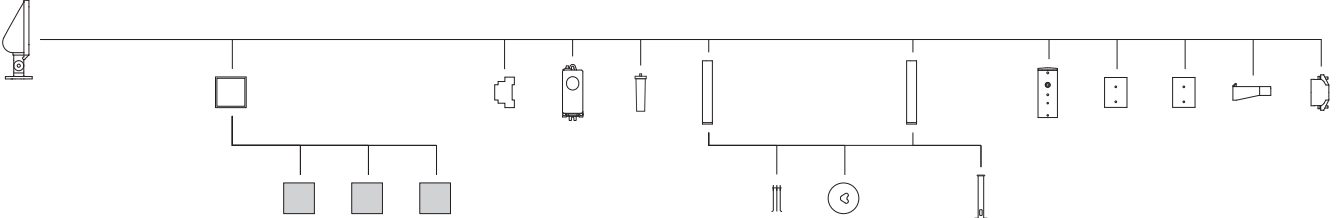
Parscoop Accessories



	34901.000	34925.000	34924.000	34920.000	34921.000	34922.000	34923.000	83829.000	34974.000	33974.000	33979.000	33982.000	34990.000
33202.000								•	•	•	•	•	•
33203.000								•	•	•	•	•	•
33204.000								•	•	•	•	•	•
33205.000								•	•	•	•	•	•
33206.000								•	•	•	•	•	•
33207.000								•	•	•	•	•	•
33208.000								•	•	•	•	•	•
33209.000								•	•	•	•	•	•
33212.000								•	•	•	•	•	•
33213.000								•	•	•	•	•	•
33242.000	•	•	•	•	•	•		•		•	•	•	•



	34902.000	34935.000	34934.000	34930.000	34931.000	34932.000	34933.000	83829.000	34974.000	33974.000	33981.000	33982.000	34991.000
33218.000								•	•	•			
33219.000								•	•	•			
33220.000								•	•	•			
33221.000								•	•	•			
33234.000								•	•	•	•	•	•
33235.000								•	•	•	•	•	•
33236.000								•	•	•	•	•	•
33237.000								•	•	•	•	•	•
33238.000								•	•	•	•	•	•
33239.000								•	•	•	•	•	•
33245.000	•	•	•	•	•	•		•	•	•	•	•	•
33246.000	•	•	•	•	•	•		•	•	•	•	•	•
33251.000								•	•	•	•	•	•
33252.000								•	•	•	•	•	•



	34901.000	34925.000	34924.000	34920.000	34921.000	34922.000	34923.000	83829.000	34964.000	34965.000	34974.000	34962.000	33980.000	33982.000	34963.000	33975.000	34958.000	34959.000	34960.000	34961.000	34950.000	34957.000	
33230.000								•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
33231.000								•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
33232.000								•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
33233.000								•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
33273.000	•	•	•	•	•	•		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

Parscoop Accessories

	34902.000	34935.000	34934.000	34930.000	34931.000	34932.000	34933.000	83829.000	34964.000	34965.000	34974.000	34962.000	33980.000	33982.000	34963.000	33975.000	34958.000	34959.000	34960.000	34961.000	34950.000	34957.000	
33253.000																							
33254.000																							
33255.000																							
33256.000																							
33276.000																							
33278.000																							

	34903.000	34945.000	34944.000	34940.000	34941.000	34942.000	34943.000	34974.000	33974.000	33981.000	33982.000	34991.000
33226.000												
33227.000												
33228.000												
33229.000												
33249.000												
33250.000												

	34903.000	34945.000	34944.000	34940.000	34941.000	34942.000	34943.000	34964.000	34965.000	34974.000	34962.000	33980.000	33982.000	34963.000	33975.000	34958.000	34959.000	34960.000	34961.000	34950.000	34957.000		
33281.000																							
33282.000																							

Parscoop Accessories



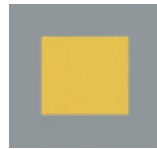
34925.000
34935.000
34945.000
Skintone filter



34924.000
34934.000
34944.000
Daylight conversion filter



34920.000
34930.000
34940.000
Colour filter
Magenta



34921.000
34931.000
34941.000
Colour filter
Amber



34922.000
34932.000
34942.000
Colour filter
Sky blue



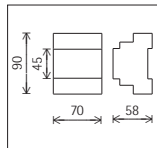
34923.000
34933.000
34943.000
Colour filter
Night blue



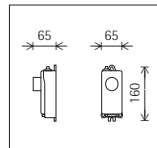
34901.000
34902.000
34903.000
Fixing frame for filters.
Metal, graphite m, powder-coated.



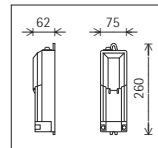
33829.000
DALI
DALI dimmer 1000W for ohmic loads, conventional and electronic transformers. Mounting on DIN rail. Weight 0.18kg



34964.000
Cable junction box, IP54
Plastic, black.
Terminal block 2 of 5x2.5mm².
1 fuse D01 E14 10A.
Weight 0.25kg



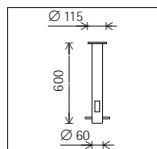
34965.000
Cable junction box, IP54
Plastic, grey.
Terminal block 2 of 5x6mm².
1 fuse D01 E14 10A.
Weight 0.55kg



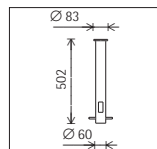
34974.000
Distribution box, IP68
With four cable entries, 7-25mm.
Plastic.
ø 102mm, L 305mm.
Weight 0.47kg



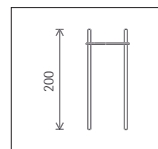
33974.000
Ground socket
Metal, hot-dip galvanised.
Cable entry.
Weight 2.30kg



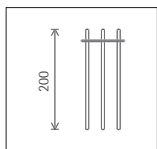
33975.000
Ground socket
Metal, hot-dip galvanised.
Cable entry.
Weight 1.75kg



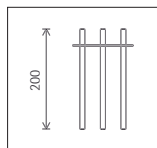
33979.000
Concrete anchor
Mounting plate with threaded bar and fixing nuts M6. Individual parts to be assembled on-site.
Weight 0.25kg



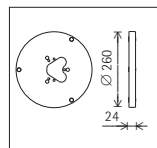
33980.000
Concrete anchor
Mounting plate with threaded bar and fixing nuts M6. Individual parts to be assembled on-site.
Weight 0.30kg



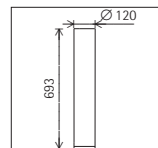
33981.000
Concrete anchor
Mounting plate with threaded bar and fixing nuts M10. Individual parts to be assembled on-site.
Weight 0.76kg



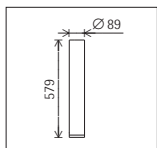
33982.000
Mounting plate
Corrosion-resistant cast aluminium, No-Rinse surface treatment. Graphit m, double powder-coated.
Weight 1.70kg



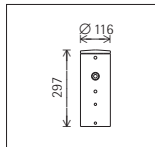
34962.000
Post
Metal, hot-dip galvanised. Graphit m, double powder-coated.
Mounting plate: metal.
5-pole terminal block for cable 5x2.5mm². Through-wiring possible.
3-pole terminal block for control line.
Luminaire rotatable through 360°. Protection mode IP44 in connection with mounted luminaire.
Weight 5.60kg



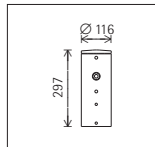
34963.000
Post for adapter sleeves.
Metal, hot-dip galvanised. Graphit m, double powder-coated.
Mounting plate: metal.
5-pole terminal block for cable 5x2.5mm². Through-wiring possible.
IP44 protection mode when used with relevant accessories.
Not for concrete anchor 33980.000 and mounting plate 33982.000.
Weight 1.50kg



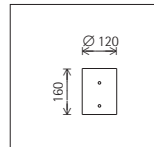
Parscoop Accessories



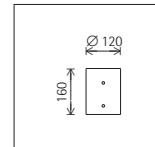
34958.000
Adapter sleeve for poles \varnothing 76mm and cantilever arms. Housing and cover: corrosion-resistant cast aluminium, No-Rinse surface treatment. Graphit m, double powder-coated. Screw fixing. Terminal block 5x2,5mm². Through-wiring possible. 2 cable entries for cantilever arms. Protection mode IP44 only with accessories. Cantilever arms to be ordered separately. Poles \varnothing 76mm to be ordered separately. Weight 3.80kg



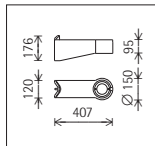
34959.000
Adapter sleeve for posts \varnothing 89mm and cantilever arms. Housing and cover: corrosion-resistant cast aluminium, No-Rinse surface treatment. Graphit m, double powder-coated. Screw fixing. Terminal block 5x2,5mm². Through-wiring possible. 2 cable entries for cantilever arms. Protection mode IP44 only with accessories. Posts \varnothing 89mm and cantilever arms to be ordered separately. Weight 3.20kg



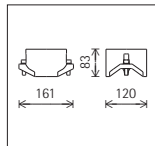
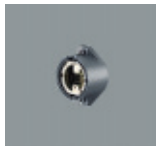
34960.000
Adapter sleeve for poles \varnothing 76mm. Housing: corrosion-resistant cast aluminium, No-Rinse surface treatment. Graphit m, double powder-coated. Screw fixing. 3-pole terminal block for control line. Through-wiring possible. Luminaire rotatable through 360°. Protection mode IP44 only with mounted luminaire. Weight 2.55kg



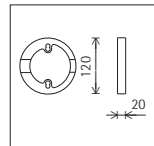
34961.000
Adapter sleeve for posts \varnothing 89mm. Housing: corrosion-resistant cast aluminium, No-Rinse surface treatment. Graphit m, double powder-coated. Screw fixing. 3-pole terminal block for control line. Through-wiring possible. Luminaire rotatable through 360°. Protection mode IP44 only with mounted luminaire. Weight 1.95kg



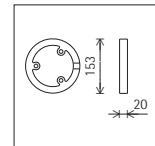
34950.000
Cantilever arm for mounting on adapter sleeve or wall. For standing luminaire installation. Housing: corrosion-resistant cast aluminium, No-Rinse surface treatment. Graphit m, double powder-coated. Inspection cover: corrosion-resistant aluminium, double powder-coated in graphit m. 1 cable entry. 3-pole terminal block for control line. Luminaire rotatable through 360°. Protection mode IP44 in connection with mounted luminaire. Weight 3.55kg



34957.000
Side-mounted sleeve for mounting on adapter sleeve. Housing: corrosion-resistant cast aluminium, No-Rinse surface treatment. Graphit m, double powder-coated. 1 cable entry. 3-pole terminal block for control line. Luminaire rotatable through 360°. Protection mode IP65 only with mounted luminaire. Weight 0.90kg



34990.000
Spacer for surface-mounted cables. Corrosion-resistant cast aluminium, No-Rinse surface treatment. Graphit m, double powder-coated. Weight 0.16kg



34991.000
Spacer for surface-mounted cables. Corrosion-resistant cast aluminium, No-Rinse surface treatment. Graphit m, double powder-coated. Weight 0.23kg

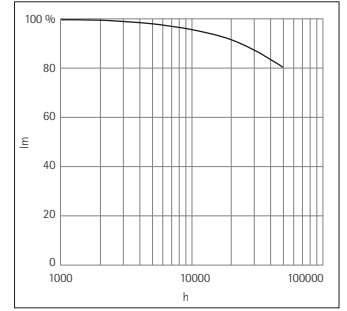
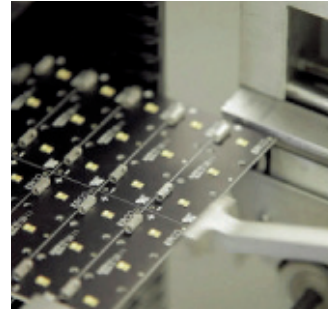


Europabad, Karlsruhe. Architect: Geier + Geier, Stuttgart. Lighting design: b.i.g. Bechtold Ingenieurgesellschaft, Karlsruhe.

Façade luminaires

Optoelectronics

ERCO designs and builds optical elements that efficiently and precisely guide the light of LEDs, making it predictable and usable. The development of electronic modules in-house gives ERCO freedom in designing the form and function of individual lighting tools.



ERCO high-power LEDs
At 700mA, an LED has an output of around 2W. This results in a luminous efficacy of 125lm/W for neutral white LEDs and 95lm/W for warm white LEDs.

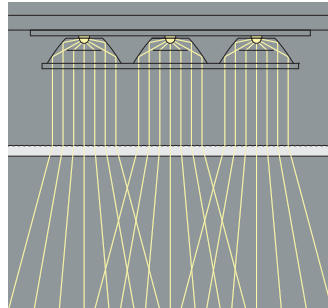
In-house PCB manufacture
The PCBs are assembled with LEDs using cutting-edge production methods. ERCO subsequently tests each LED for proper functioning.

Long life
Excellent thermal management as a focal point at ERCO ensures that the LEDs in all luminaires achieve a rated life of 50,000 hours (L80/B10). Effectively, this means that the luminous flux of no more than 10% of all LEDs

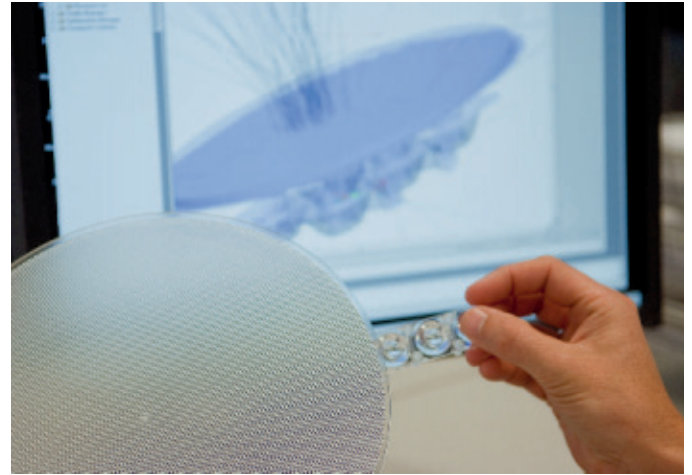
in this period reduces to 80% or less of the initial value. In other words, at least 90% of all LEDs will still achieve more than 80% of the original luminous flux after 50,000 hours.

Modern Spherolit technology for maximum efficiency

ERCO's innovative Spherolit technology achieves a higher light output ratio than conventional lighting technology. By using high-quality optical polymers and modern photometric simulations, transmission losses are reduced to an absolute minimum.



Light guidance using Spherolit lenses with LED
ERCO's innovative Spherolit technology achieves a higher light output ratio than conventional lighting technology.



Visual comfort

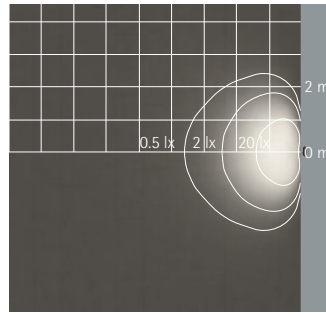
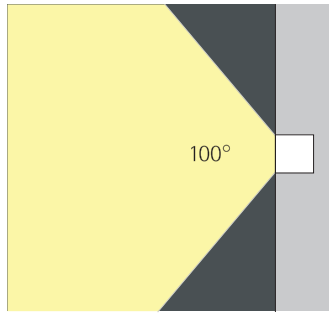
Man and his perception determines whether lighting is efficient. Without spill light, this light creates optimum viewing conditions for the human eye. From the outset it allows the designer to use an energy-efficient solution with lower illuminance levels and precisely planned contrasts.



Façade luminaires

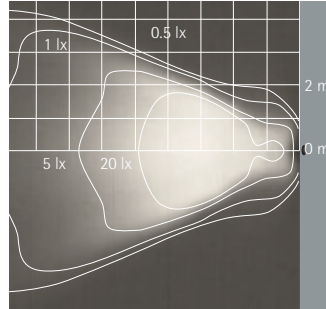
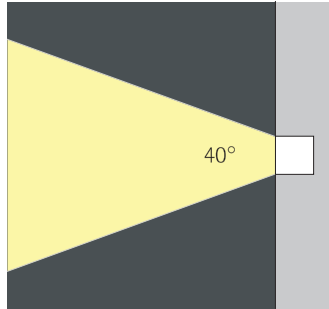
Different light distributions

ERCO offers luminaires with a variety of light distributions to suit different lighting tasks: floor washlights for pathway and open area lighting, decorative light patterns for façades, and grazing light to emphasise textures.



Floor washlights for pathway lighting

Floor washlights with a wide beam are ideal especially for pathway lighting along walls and façades.

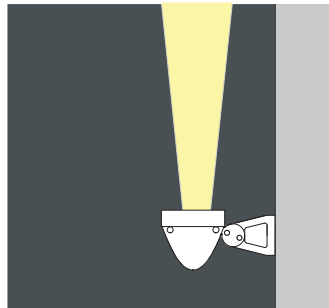


Floor washlights for open area lighting

Floor washlights with a deep beam excel in open area lighting for squares or terraces.

Grazing light wallwashers

When mounted in a row along façades, the wide light distribution and its even gradient ensure highly uniform illumination. The luminaire can be tilted individually and has a very narrow beam angle towards the wall to prevent spill light and enable efficient lighting solutions meeting Dark Sky requirements.



Grazing light
The grazing light wallwasher can be aligned to emit light upwards or downwards.

Façade luminaires

Striking lighting effects produced by narrow or wide beams create an eye-catching feature and divide up the façade. The ERCO system design includes a wide variety of lighting solutions with upward or downward beam emission.

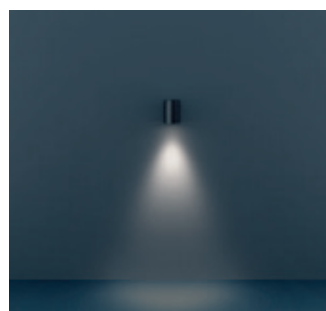


Narrow or wide upward beam emission

Light directed upwards emphasises the height of façades – for a filigree look or for uniform illumination of a wider area.



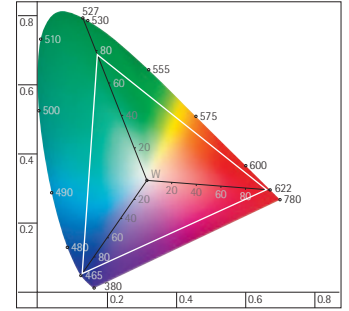
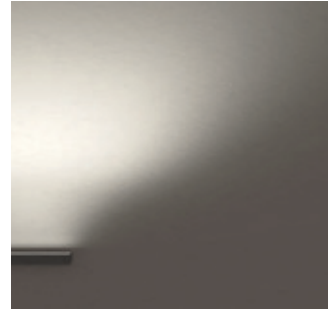
Downward lighting versions
The downward beams additionally provide the option of illuminating pathways along the façade.



Façade luminaires

Light colours and coloured light

Using the different colour temperatures warm white and neutral white enables you to create subtle contrasts and adjust the light to the material colour. Coloured light allows you to design or change the environment using gentle or dramatic contrasts. LEDs excel in this aspect with a level of efficiency that is on a par with their exceptional flexibility.



Different light colours

Warm white LEDs optimally emphasise warm materials such as wood. Neutral white LEDs accentuate cold materials including concrete and metal with a higher luminous efficacy.



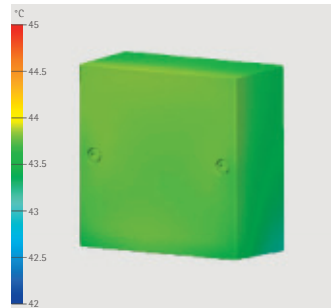
Coloured light

The modules of varchrome RGB luminaires are equipped with red, green and blue LEDs allowing you to create a diversity of saturated colours.



System design in practice

Taking system design to its logical conclusion is a characteristic feature of ERCO products. It allows lighting tools which are very similar in design to be used for many different lighting tasks. This strategy makes a convincing argument not only from a design point of view, but also from a technical perspective.



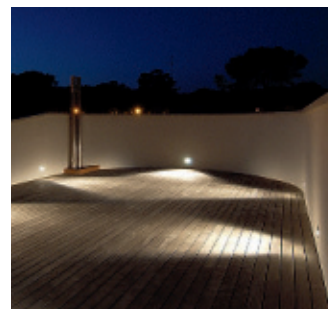
Excellent thermal management

Thermal management creates optimal conditions for continuous operation. This enables ERCO to ensure that the light sources emit maximum luminous flux and that heat-sensitive components or control gear achieve their full service life.



Different sizes

The luminaires in the ERCO product range cover a wide variety of lumen categories and therefore offer an appropriate solution for a large number of lighting tasks.



Dark Sky technology

Luminaires with Dark Sky technology do not emit any light above the horizontal, thereby facilitating effective lighting solutions in the outdoor area.



Façade luminaires

High protection modes for the outdoor area

ERCO has designed its luminaires to withstand even harsh environmental conditions enabling their use in applications that require high levels of protection against the ingress of foreign bodies and water.



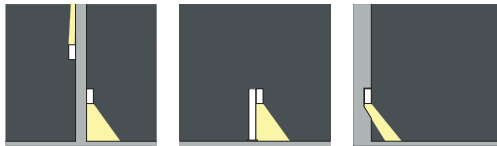
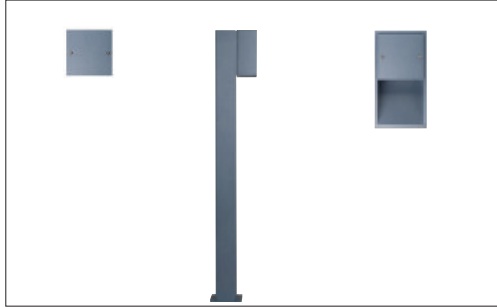
Protection mode IP65

Luminaires with protection mode IP65 are dust-tight and protected against strong jets of water from any direction.

IP65

Accessories for mounting versions

The Kubus lighting tools can be installed on buildings, but can also be mounted on a post made of corrosion-resistant cast aluminium for positioning in open areas.



Depending on the required light distributions, there are various mounting alternatives. All façade luminaires can be used on walls as surface-mounted versions.

Kubus floor washlights can also be mounted on a post available as an accessory and freely positioned in an area for use as a bollard luminaire.

The floor washlights are also suitable for flush wall mounting using the recessed housing or mounting tray available as accessories.

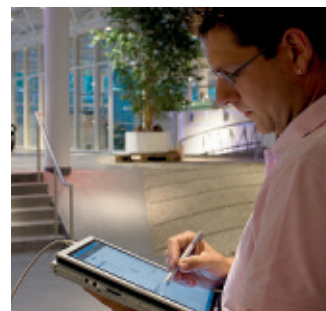


Tiltable

The luminaires can be adjusted precisely for optimum beam alignment. The light, as a result, is emitted exactly where you need it.



Switchable
Switchable luminaires can be switched on or off as required using manual switches or actuators.



DALI dimmable
DALI dimmable luminaires are suitable for DALI based lighting control systems. Dimming enables the flexible setting of light scenes.

DALI



Light from the box

Façade lighting and floor washlighting for outdoor and indoor areas with a single system design

During the day, Kubus is all but an inconspicuous structure on the wall – at night, however, the luminaire excels with exquisite light.

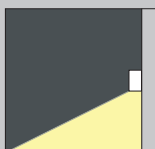
Kubus is flexible. Using appropriate accessories, the luminaire can be mounted in or on the wall or used as a bollard luminaire. Underlined with grazing light, wall surfaces are given a new dimension. Used along traffic routes, Kubus provides optimum visual

comfort and reliable orientation for passers-by.

In perfect understatement, Kubus combines highly efficient and maintenance-free optoelectronics with a very discreet appearance.



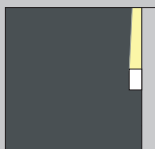
Washlighting
Wide-beam illumination of pathways and open areas.



Floor washlights
Asymmetrical washlighting with a wide or deep beam for the illumination of pathways or squares.

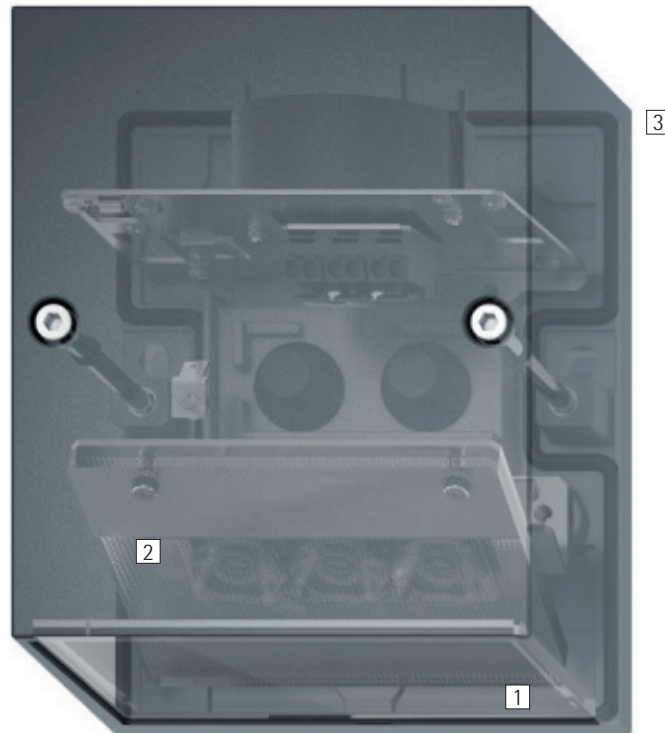
LED
3W - 6W
300lm - 750lm
Light distribution: Wide beam, Deep beam

Accentuation
Emphasis of the façade produced by a narrow light beam.



Façade luminaires
Asymmetrical light distribution for accentuated façade lighting.

LED
3W - 6W
300lm - 750lm
Light distribution: Spot, Sculpture lens



Structure and characteristics

The features described here are typical of products in this range. Special versions may offer additional or varying features. A comprehensive description of the features of individual products can be found on our ERCO Light Scout website. The direct links for quick access always take the same form:

www.erco.com/<article number>

Detailed information on the features is provided from page 567.

1 Light aperture floor washlight (bottom)

- Softec lens as safety glass or non-reflective safety glass
- Wide beam:**
- Sculpture lens or Spherolit lens
- Deep beam:**
- Prism lens or Spherolit lens

Light aperture façade luminaire (top)

- Softec lens as safety glass or non-reflective safety glass
- Spherolit lens spot or sculpture lens

2 ERCO LED module

- High-power LEDs on metal-core PCB
- Light colours: warm white or neutral white
- Collimating lens made of optical polymer


3 Housing and wall plate

- Graphit m
- Corrosion-resistant cast aluminium, No-Rinse surface treatment
- Double powder-coated
- Optimised surface for reduced accumulation of dirt
- Electronic control gear

Protection mode IP65

Dust-tight and water jet-proof

Special characteristics


 Different light distributions: wide or deep


 Different sizes

 ERCO high-power LEDs

 Efficient Spherolit technology

 Different light colours

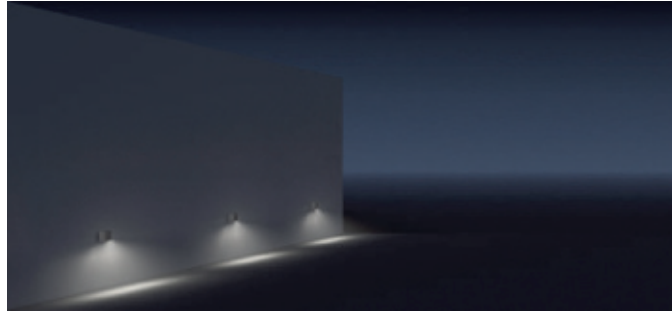
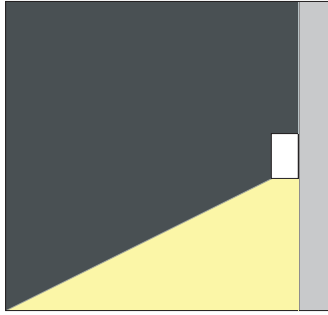
 Excellent thermal management

 Protection mode IP65

 Accessories for mounting versions

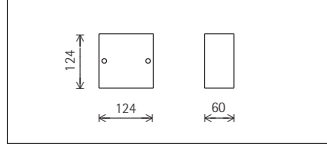
 Switchable

Kubus Floor washlight with LED

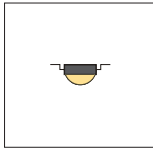


⏻ – switchable
Electronic control gear.

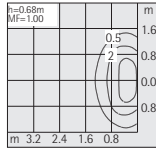
Wattage:
3W
300lm - 390lm



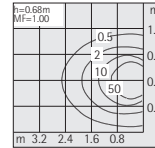
Weight 0.88kg



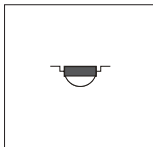
LED warm white
3000K
Version 6



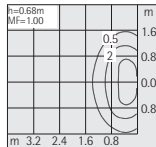
Sculpture lens, wide beam
3W 300lm
Graphit m
33365.000 ⏻



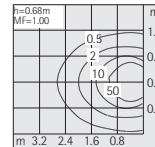
Prism lens, deep beam
3W 300lm
Graphit m
33367.000 ⏻



LED neutral white
4000K
Version 6

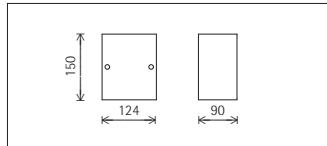


Sculpture lens, wide beam
3W 390lm
Graphit m
33364.000 ⏻

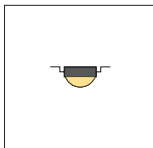


Prism lens, deep beam
3W 390lm
Graphit m
33366.000 ⏻

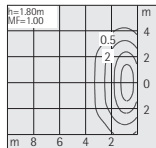
Wattage:
6W
570lm - 750lm



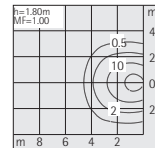
Weight 1.50kg



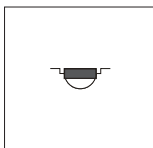
LED warm white
3000K
Version 6



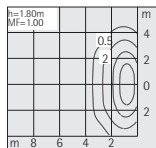
Spherolit lens, wide beam
6W 570lm
Graphit m
33528.000 ⏻



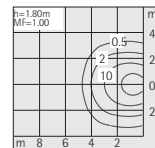
Spherolit lens, deep beam
6W 570lm
Graphit m
33530.000 ⏻



LED neutral white
4000K
Version 6

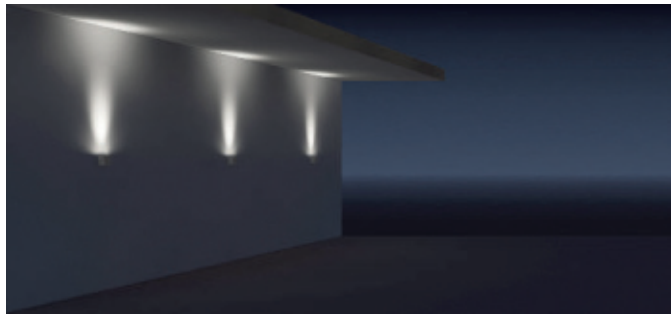
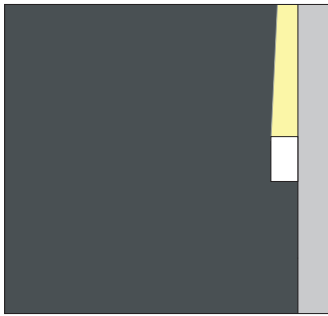


Spherolit lens, wide beam
6W 750lm
Graphit m
33529.000 ⏻



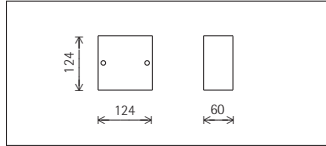
Spherolit lens, deep beam
6W 750lm
Graphit m
33531.000 ⏻

Kubus Façade luminaire with LED

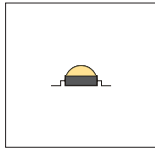


⏻ – switchable
Electronic control gear.

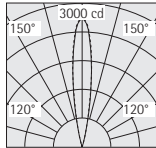
Wattage:
3W
300lm - 390lm



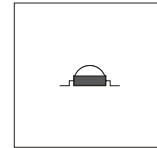
Weight 0.88kg



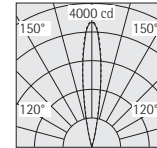
LED warm white
3000K
Version 6



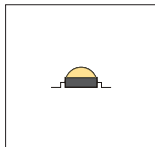
3W 300lm
Graphit m
33369.000 ⏻



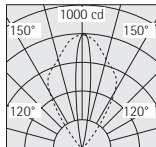
LED neutral white
4000K
Version 6



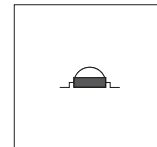
3W 390lm
Graphit m
33368.000 ⏻



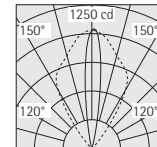
LED warm white
3000K
Version 6



Sculpture lens
3W 300lm
Graphit m
33536.000 ⏻

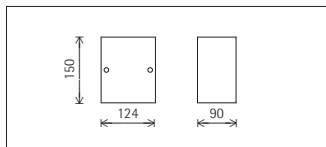


LED neutral white
4000K
Version 6

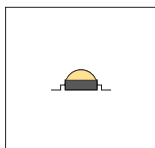


Sculpture lens
3W 390lm
Graphit m
33537.000 ⏻

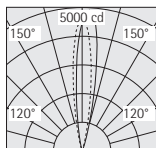
Wattage:
6W
570lm - 750lm



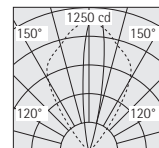
Weight 1.50kg



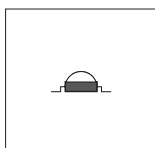
LED warm white
3000K
Version 6



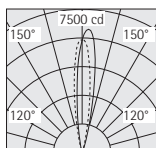
Spherolit lens, spot
6W 570lm
Graphit m
33532.000 ⏻



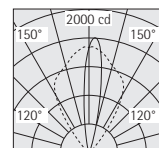
Sculpture lens
6W 570lm
Graphit m
33534.000 ⏻



LED neutral white
4000K
Version 6

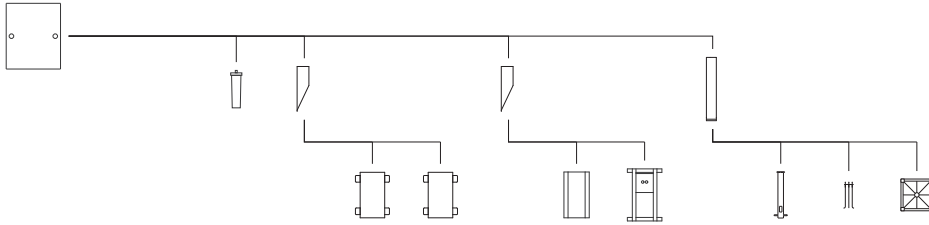


Spherolit lens, spot
6W 750lm
Graphit m
33533.000 ⏻



Sculpture lens
6W 750lm
Graphit m
33535.000 ⏻

Kubus Accessories



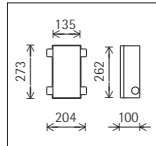
	34974.000	33362.000	33329.000	33332.000	33525.000	33524.000	33526.000	33363.000	33975.000	33979.000	33983.000
33364.000	•							•	•	•	•
33365.000	•							•	•	•	•
33366.000	•	•	•	•				•	•	•	•
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33530.000					•	•	•				
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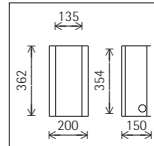
34974.000
Distribution box,
IP68
With four cable
entries, 7-25mm.
Plastic.
ø 102mm,
L 305mm.
Weight 0.47kg



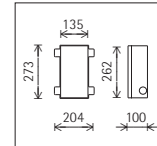
33329.000
Concrete housing
Plastic.
2 cable entries.
Recommended 0-8mm aggregate for
the concrete.
Recessed mounting plate to be ordered
separately.
Weight 0.78kg



33524.000
Concrete housing
Metal, hot-dip galvanised.
2 cable entries.
Recommended 0-8mm aggregate for
the concrete.
Recessed mounting plate to be ordered
separately.
Weight 3.50kg

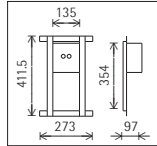


33332.000
Housing for recessed mounting
for recessed mounting in brickwork.
Plastic.
2 cable entries.
Recessed mounting plate to be ordered
separately.
Weight 0.35kg

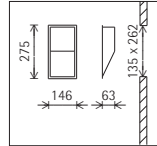


Wiesbadener
Volksbank Private
Banking, Wies-
baden. Lighting
design: Arne
Fiedler, Wies-
baden.

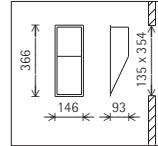
Kubus Accessories



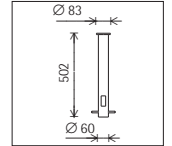
33526.000
Housing for recessed mounting for recessed mounting in brickwork. Corrosion resistant stainless steel. 2 cable entries. Recessed mounting plate to be ordered separately.
Weight 1.00kg



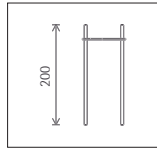
33362.000
Recessed mounting plate for concrete housings and housings for recessed mounting. Metal, graphit m, powder-coated. 2 cable entries. Concrete housings and housings for recessed mounting to be ordered separately.
Weight 0.25kg



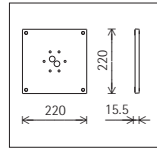
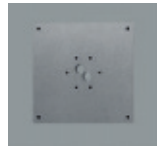
33525.000
Recessed mounting plate for concrete housings and housings for recessed mounting. Metal, graphit m, powder-coated. 2 cable entries. Concrete housings and housings for recessed mounting to be ordered separately.
Weight 0.39kg



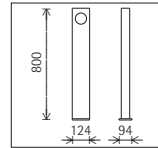
33975.000
Ground socket Metal, hot-dip galvanised. Cable entry.
Weight 1.75kg



33979.000
Concrete anchor Mounting plate with threaded bar and fixing nuts M6. Individual parts to be assembled on-site.
Weight 0.25kg



33983.000
Mounting plate Corrosion-resistant cast aluminium, No-Rinse surface treatment. Graphit m, double powder-coated.
Weight 1.00kg



33363.000
Post Aluminium profile, No-Rinse surface treatment. Double powder-coated. Base plate for mounting on ground socket, concrete anchor or mounting plate: cast aluminium. 2 screwed cable glands M20. Mounting accessories to be ordered separately.
Weight 2.70kg

RDS Radio Dimensione Suono headquarter, Rome. Architect: Nigel Ryan. Lighting design: Baldieri, Rome.





Glare control to perfection

Optimal visual comfort for stairs and paths

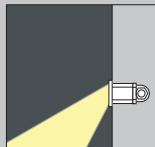
The Axis Walklight's sophisticated photometrics ensure superb visual comfort for people in the outdoor environment. The LED-generated direct lighting component is fully shielded, making the luminaire great for use in complex areas such as stairways. A delightful sparkle on the rectangular, lens-like cover glass reveals the light emission and the wide beam, spread across the staggered surface, extends all the way to the

edge. At the same time, the gentle gradient makes it easier to see by avoiding drastic contrasts to which the eye takes times to adapt. Mounted in a row, the Axis Walklight provides elegant illumination of paths.

Axis Walklight



Washlighting
Wide-beam illumination of pathways and open areas.



Walklights
Asymmetrical light distribution for lighting pathways and stairs.

LED
1W
64lm - 90lm



Structure and characteristics

The features described here are typical of products in this range. Special versions may offer additional or varying features. A comprehensive description of the features of individual products can be found on our ERCO Light Scout website. The direct links for quick access always take the same form:

www.erco.com/<article number>

Detailed information on the features is provided from page 567.

1 ERCO LED module

- Light colours: warm white or neutral white

2 ERCO reflector

- Asymmetrical reflector lens system: aluminium, silver anodised
- Optimised LED screening ensures no direct light emission

3 Cover frame

- Graphit m
- Corrosion-resistant cast aluminium, No-Rinse surface treatment
- Double powder-coated
- Softec lens


4 Housing

- Corrosion-resistant cast aluminium, No-Rinse surface treatment
- Graphit m, double powder-coated
- Fixing element: plastic. Clamp extension 7-20mm
- On site protection must be provided using a residual current circuit breaker, FI<=30mA

Protection mode IP65

Dust-tight and water jet-proof

Special characteristics

 Enhanced visual comfort



ERCO LEDs



Dark Sky technology



Different light colours



Excellent thermal management

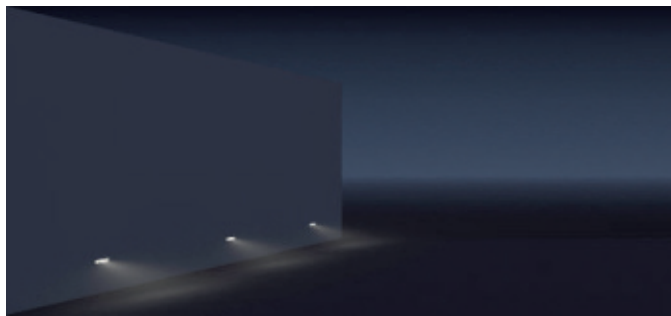
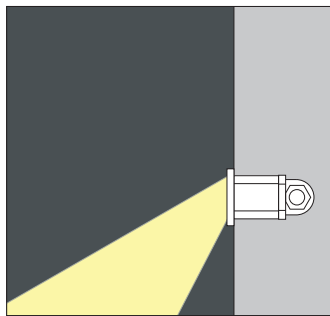


Protection mode IP65



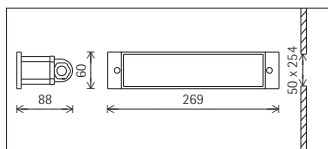
Switchable

Axis Walklight with LED

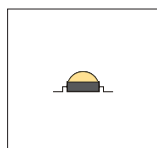


Switchable version
On site protection must be provided using a residual current circuit breaker, FI<=30mA.

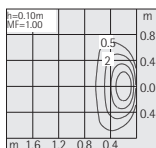
Wattage:
1.7W
64lm - 90lm



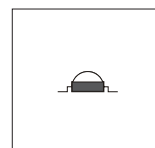
Weight 0.85kg



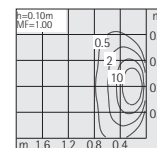
LED warm white
3000K
Version 2



1.7W 64lm
Graphit m
33733.000



LED neutral white
4000K
Version 2



1.7W 90lm
Graphit m
33750.000

Axis Walklight Accessories

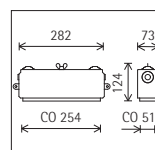
Suitable accessories for each article are indicated on the relevant product specification sheet. Product specification sheets are available in ERCO's Light Scout at: www.ercos.com/<article number>



34974.000
Distribution box,
IP68
With four cable
entries, 7-25mm.
Plastic.
ø 102mm,
L 305mm.
Weight 0.47kg



33732.000
Concrete housing
Metal, hot-dip galvanised.
Recommended 0-8mm aggregate for
the concrete.
Weight 0.94kg





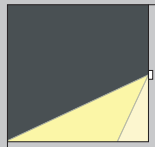
Well-rounded for depth

The efficient façade luminaire with good visual comfort for open areas

Visor façade luminaires bring out the surroundings of the building. The deep beam light distribution is aimed specifically at illuminating public squares or terraces. In either case, the light source is discreetly hidden to ensure glare-free light for passers-by or road users. As Visor façade luminaires emit no spill light above the horizontal plane, they evidently comply with Dark Sky standards.



Washlighting
Wide-beam illumination of pathways and open areas.



Floor washlights
Asymmetrical washlighting with a deep beam for the illumination of squares.

Metal halide lamps
20W - 35W
1650lm - 4000lm
Light distribution: Sculpture lens



Structure and characteristics

The features described here are typical of products in this range. Special versions may offer additional or varying features. A comprehensive description of the features of individual products can be found on our ERCO Light Scout website. The direct links for quick access always take the same form:

www.erco.com/<article number>

Detailed information on the features is provided from page 567.

1 ERCO reflector

- Asymmetrical reflector flood system
- Aluminium, silver anodised, mirror-finish

2 Anti-glare element

- Metal

3 Cover

- Corrosion-resistant stainless steel
- Optimised surface for reduced accumulation of dirt
- Sculpture lens


4 Housing


- For recessed mounting in brickwork and dry-wall partitions
- Corrosion-resistant cast aluminium, No-Rinse surface treatment
- Double powder-coated, black
- Mounting by means of an adjustable bar. Clamp extension 1-35mm
- Electronic control gear

Protection mode IP65


Dust-tight and water jet-proof

Special characteristics

 Dark Sky technology

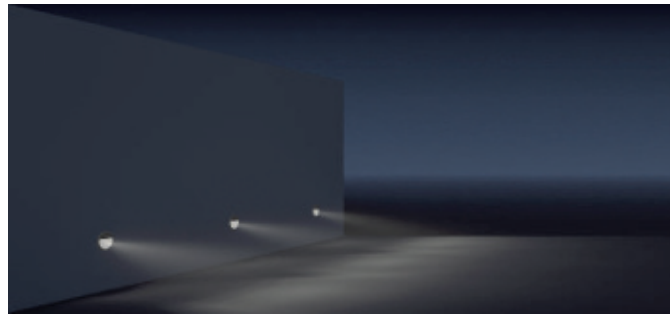
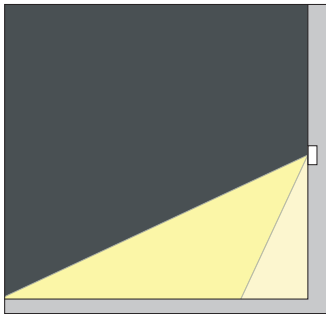
 Different sizes

 Switchable

 Protection mode IP65

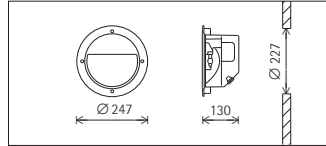
 Accessories for mounting versions

Visor Floor washlight for metal halide lamps

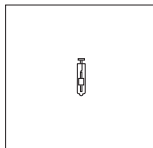


☰ – switchable
Electronic control gear.

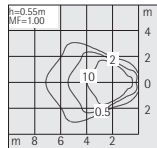
Wattage:
20W
1650lm



Weight 2.70kg

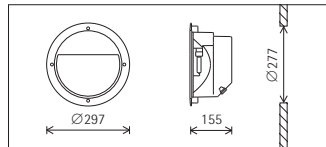


HIT-TC-CE

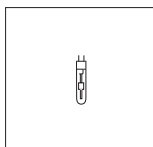


Sculpture lens
20W PGJ5 1650lm
Silver
33306.000 ☰

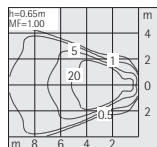
Wattage:
35W
4000lm



Weight 3.70kg



HIT-TC-CE



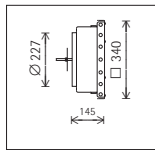
Sculpture lens
35W G8.5 4000lm
Silver
33304.000 ☰

Hotel Lago, Ulm.
Architect: Netting
Generalplaner
Ulm/Neu-Ulm.
Lighting design:
Conplaning
GmbH, Ulm/Neu-
Ulm/Günzburg.

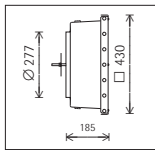


Visor Accessories

	33977.000	33978.000	33971.000	33972.000	33984.000	33985.000
33304.000	•	•	•	•	•	•
33306.000	•	•	•	•	•	•



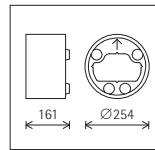
33977.000
Concrete housing
Metal, galvanised.
Recommended 0-8mm aggregate for the concrete.
Weight 4.50kg



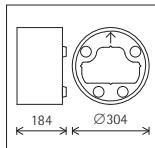
33978.000
Concrete housing
Metal, galvanised.
Recommended 0-8mm aggregate for the concrete.
Weight 8.00kg



33971.000
Plaster ring
Metal, white.



33984.000
Surface-mounted housing
Corrosion-resistant aluminium, No-Rinse surface treatment. Graphit m, double powder-coated.
Weight 0.88kg



33985.000
Surface-mounted housing
Corrosion-resistant aluminium, No-Rinse surface treatment. Graphit m, double powder-coated.
Weight 1.18kg



"Lindesnes Fyr"
Visitor's centre,
Lindesnes. Ar-
chitect: Basis
Arkitekter AS,
Kristiansand.



Cubically good

A bright partner for pathways and façades

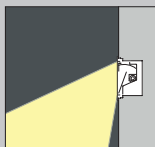
With their neutral design and superior glare protection, Lightmark façade luminaires installed on the building recede into the background. The differing light distributions make them ideal for lighting pathways and open areas, but also for the illumination of buildings. Using the wide light distribution of the floor washlight, Lightmark façade luminaires uniformly illuminate pathways along walls or

buildings. Their deep-beam version effectively lights squares or terraces. Dark Sky technology maximises the visual comfort and prevents light from being emitted above the horizontal. For high-contrast illumination of the building using a wide beam, Lightmark also lends itself as a façade luminaire. The system design of Lightmark extends into a separate range of bollard luminaires. This makes Lightmark

a highly universal tool for the illumination of pathways and façades.



Washlighting
Wide-beam illumination of pathways and open areas.

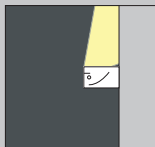


Floor washlights
Asymmetrical washlighting with a wide or deep beam for the illumination of pathways or squares.

Metal halide lamps
20W - 35W
1800lm - 4000lm
Light distribution: Sculpture lens

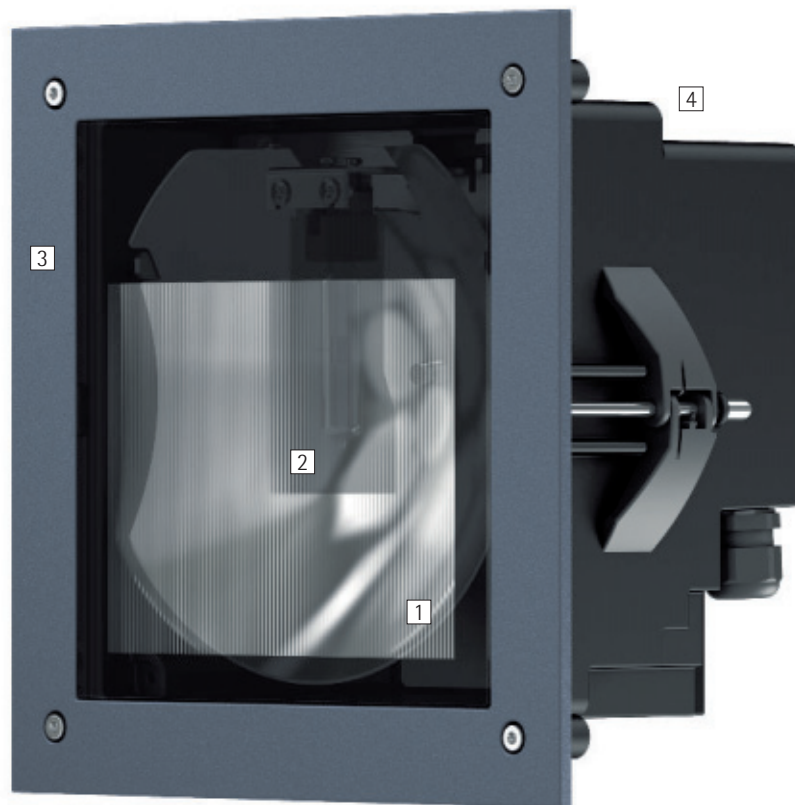


Accentuation
Emphasis of the façade produced by a narrow light beam.



Façade luminaires
Asymmetrical light distribution for accentuated façade lighting.

Metal halide lamps
35W
4000lm



Structure and characteristics

The features described here are typical of products in this range. Special versions may offer additional or varying features. A comprehensive description of the features of individual products can be found on our ERCO Light Scout website. The direct links for quick access always take the same form:

www.erco.com/<article number>

Detailed information on the features is provided from page 567.

1 ERCO reflector

- Floor washlight, wide beam:**
 - Asymmetrical reflector lens system
 - Aluminium, silver anodised
- Floor washlight, deep beam:**
 - Asymmetrical reflector flood system
 - Aluminium, silver anodised, mirror-finish

2 Anti-glare element

- (floor washlight, deep beam)
- Metal

3 Cover plate

- Graphit m
- Corrosion-resistant cast aluminium, No-Rinse surface treatment
- Double powder-coated
- Optimised surface for reduced accumulation of dirt
- Spread lens or sculpture lens

4 Housing

- For recessed mounting in brickwork and dry-wall partitions
- Corrosion-resistant cast aluminium, No-Rinse surface treatment
- Double powder-coated, black
- Mounting with 4-point support and screw fixing. Clamp extension 5-33mm
- Electronic control gear

Protection mode IP65

Dust-tight and water jet-proof

Special characteristics



Different light distributions: wide or deep



Dark Sky technology



Protection mode IP65



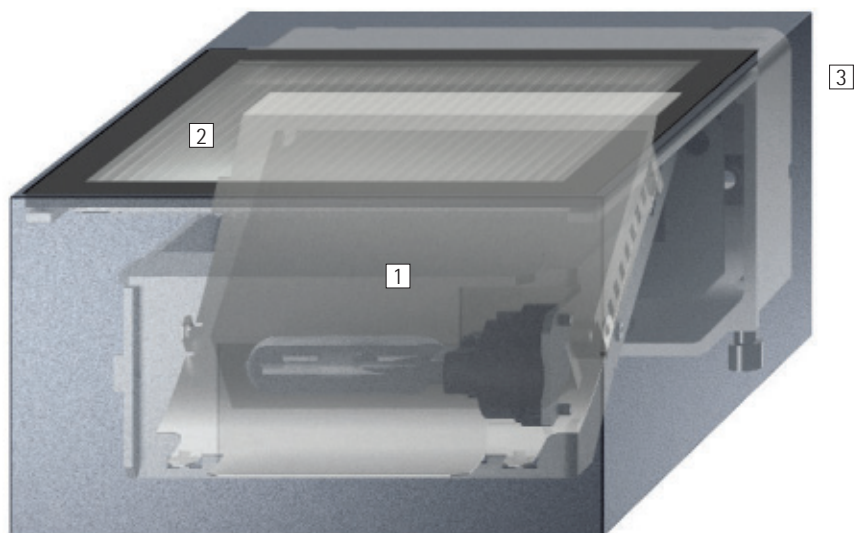
Switchable



Accessories for mounting versions



Note: Lightmark bollard luminaires are featured from page 623



Structure and characteristics

The features described here are typical of products in this range. Special versions may offer additional or varying features. A comprehensive description of the features of individual products can be found on our ERCO Light Scout website. The direct links for quick access always take the same form:

www.erco.com/<article number>

Detailed information on the features is provided from page 567.

1 ERCO reflector

- Asymmetrical reflector lens system
- Aluminium, silver anodised

2 Light aperture top

- Spread lens as safety glass

3 Housing and wall plate


- Graphit m
- Corrosion-resistant cast aluminium, No-Rinse surface treatment
- Double powder-coated
- Optimised surface for reduced accumulation of dirt
- Electronic control gear

Protection mode IP65

Dust-tight and water jet-proof

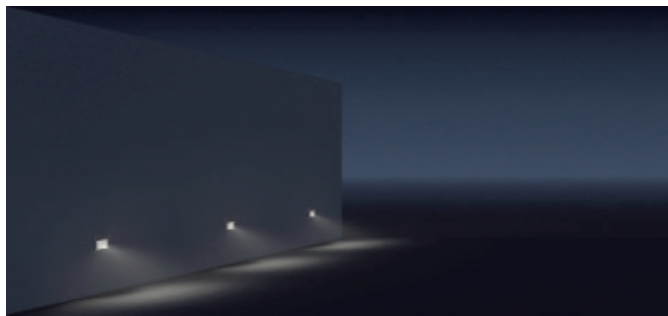
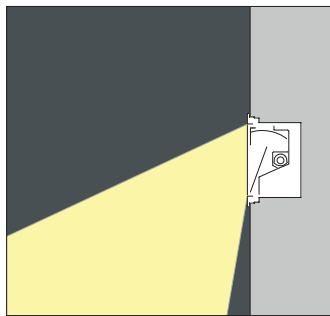
Special characteristics

 Decorative wall/façade lighting

 Protection mode IP65

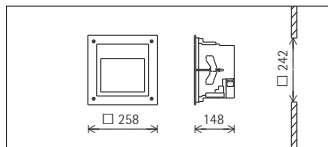
 Switchable

Lightmark Floor washlight for metal halide lamps

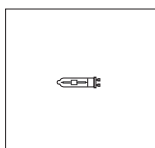


⏻ – switchable
Electronic control gear.

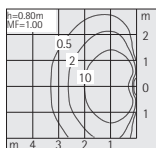
Wattage:
20W - 35W
1800lm - 4000lm



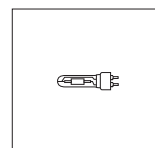
Weight 4.20kg - 4.28kg



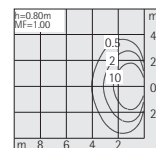
HIT-TC-CE



20W GU6.5 1800lm
Graphit m
33376.000 ⏻

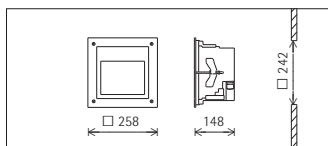
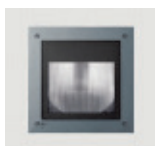


HIT-CE

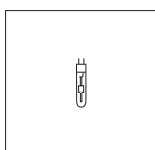


35W G12 4000lm
Graphit m
33370.000 ⏻

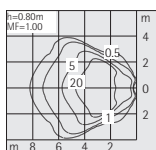
Wattage:
35W
4000lm



Weight 4.17kg



HIT-TC-CE

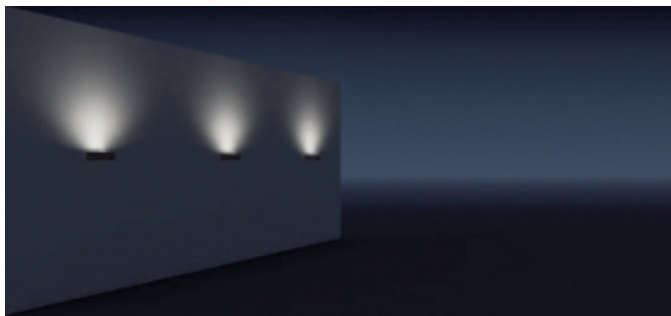
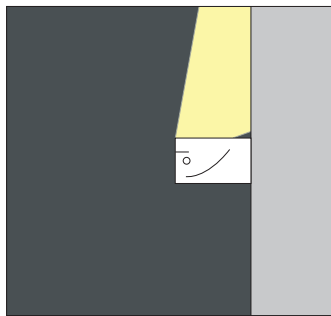


Sculpture lens
35W G8.5 4000lm
Graphit m
33372.000 ⏻

Yachtklub hotel,
Kiel. Architect:
Nagel & Partner
Architekten
BDA, Kiel; Bend-
feldt Hermann
Franke BDLA, Kiel.
Lighting design:
team licht, Felsch
Giesecke Gbr,
Hamburg.

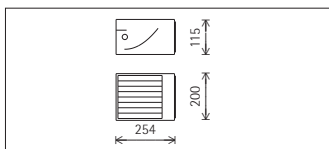


Lightmark Façade luminaire for metal halide lamps

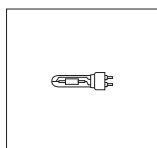


⏻ – switchable
Electronic control gear.

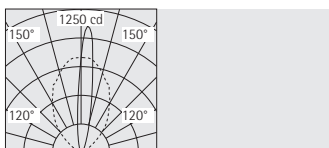
Wattage:
35W
4000lm



Weight 3.40kg



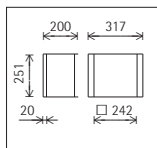
HIT-CE



35W G12 4000lm
Graphit m
33382.000 ⏻

Lightmark Accessories

	33378.000	33379.000	33986.000	33392.000
33370.000	•	•	•	
33372.000	•	•	•	
33376.000	•	•	•	
33382.000				•



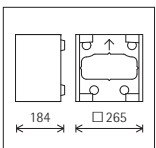
33378.000
Concrete housing
Metal, powder-coated.
Recommended 0-8mm aggregate for the concrete.
Weight 3.99kg



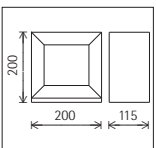
33379.000
Plaster frame
Corrosion resistant stainless steel, white powder-coated.
Weight 0.45kg

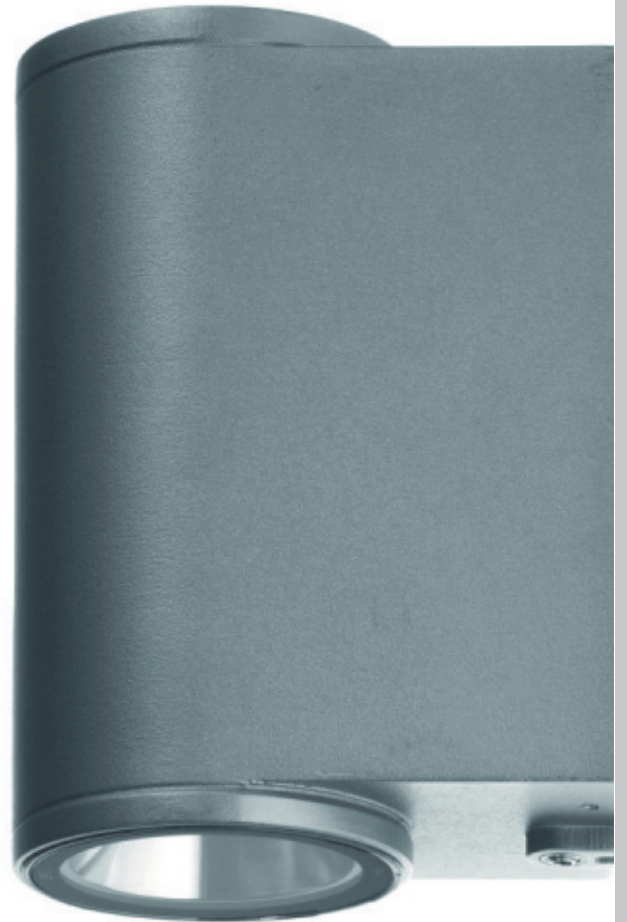


33986.000
Surface-mounted housing
Corrosion-resistant aluminium, No-Rinse surface treatment. Graphit m, double powder-coated.
Weight 1.65kg



33392.000
Cantilever
Corrosion-resistant cast aluminium, No-Rinse surface treatment. Graphit m, double powder-coated.
Aluminium cover for concealed wiring.
Fixing screws for support frame.
Weight 1.50kg





Universal and elegant

Façade lighting with many variations

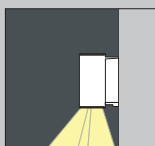
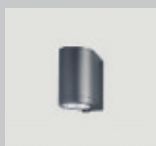
Accentuating historic façades with grazing light or structuring large sections of façade with light patterns are only some of the strengths displayed by Cylinder façade luminaires. The wide variety of distribution options include direct, indirect and direct-indirect narrow or wide beams. For the purpose of conforming to the Dark Sky standard, the indirect distribution is inclined towards the façade to avoid spill light into the night

sky. The direct distribution options include versions that pool the light in a semicircle on the ground or with a beam edge ending just before the façade. As a common denominator, all Cylinder façade luminaires produce the characteristic grazing light to emphasise textures on the façade.

Cylinder Façade luminaires



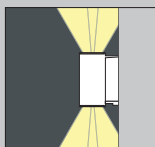
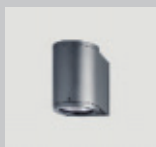
Washlighting
Wide-beam illumination of pathways and open areas.



Floor washlights
Asymmetrical washlighting with a wide beam for the illumination of pathways.

LED
6W - 12W
570lm - 1500lm
Light distribution: Spot, Oval flood

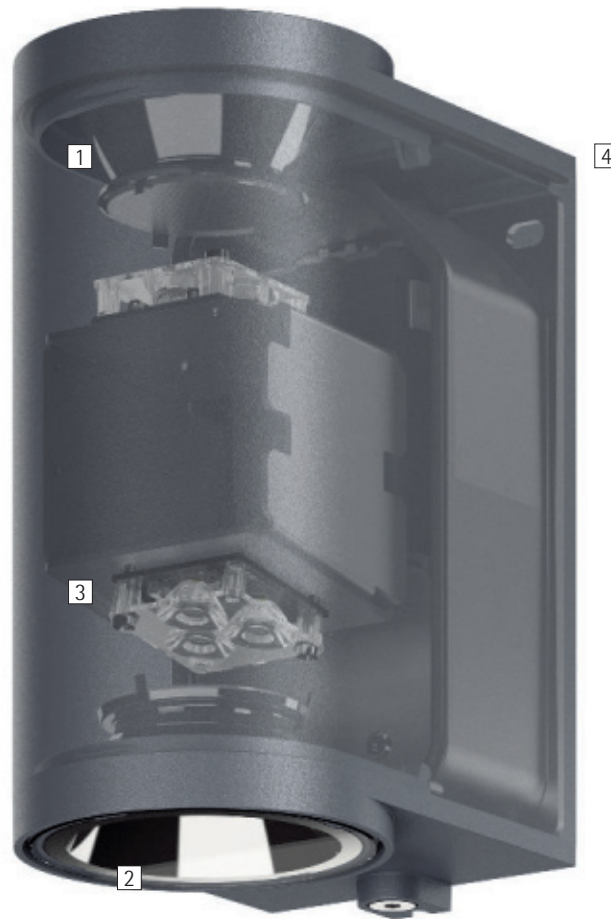
Accentuation
Emphasis of the façade produced by a narrow light beam.



Façade luminaires
Asymmetrical light distribution for accentuated façade lighting.

LED
12W - 18W
1140lm - 2250lm
Light distribution: Spot, Oval flood

Cylinder Façade luminaires with LED



Structure and characteristics

The features described here are typical of products in this range. Special versions may offer additional or varying features. A comprehensive description of the features of individual products can be found on our ERCO Light Scout website. The direct links for quick access always take the same form:

www.erco.com/<article number>

Detailed information on the features is provided from page 567.

1 Light aperture top

- Spherolit lens, spot or oval flood
- Non-reflective safety glass

2 Light aperture bottom

- Non-reflective safety glass
- Size 2:**
 - Reflector: aluminium, silver, bright anodised
- Spherolit lens, oval flood
- Size 3:**
 - Reflector: aluminium, silver, bright anodised
 - Cut-off angle 30°
 - Diffuser: glass, matt

3 ERCO LED module

- High-power LEDs on metal-core PCB
- Light colours: warm white or neutral white
- Collimating lens made of optical polymer

4 Housing and wall plate

- Graphit m
- Corrosion-resistant aluminium profile or corrosion-resistant cast aluminium, No-Rinse surface treatment
- Double powder-coated
- Optimised surface for reduced accumulation of dirt
- Tamper-proof screw
- Electronic control gear

Protection mode IP65

Dust-tight and water jet-proof

Special characteristics



Different light distributions



Decorative wall/façade lighting



ERCO high-power LEDs



Efficient Spherolit technology



Different light colours



Excellent thermal management



Different sizes

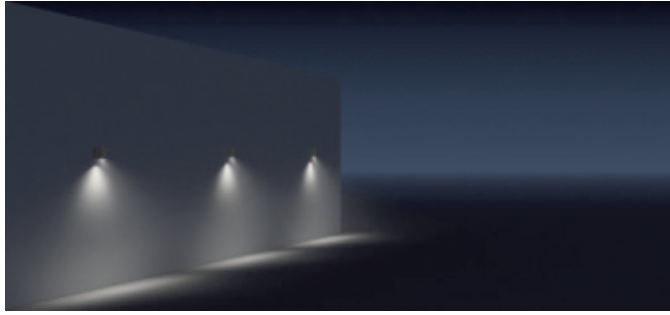
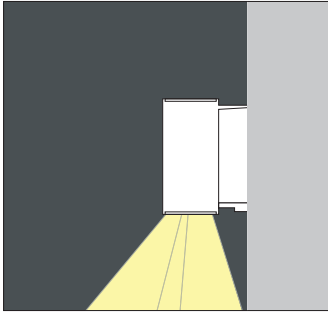


Protection mode IP65

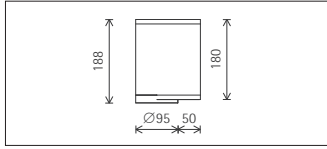
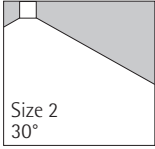


Switchable

Cylinder Floor washlight with LED

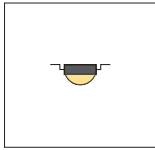


⏻ – switchable
Electronic control gear.

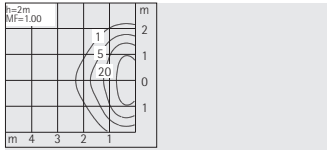


Weight 1.80kg

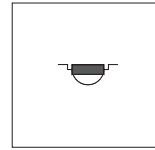
Wattage:
6W
570lm - 750lm



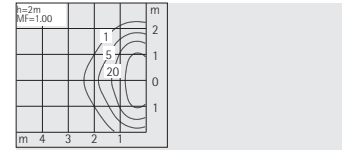
LED warm white
3000K
Version 3



Spherolit lens, oval flood
6W 570lm
Graphit m
85105.000 ⏻

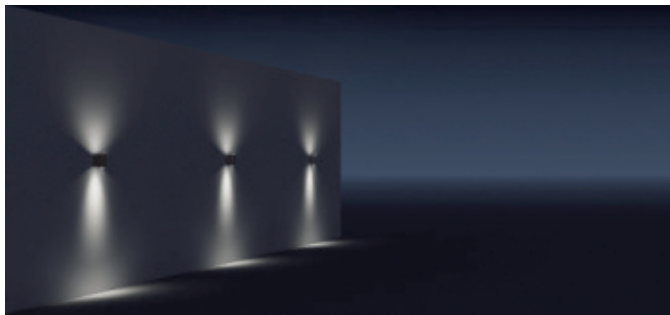
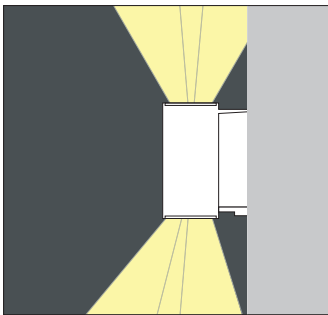


LED neutral white
4000K
Version 3

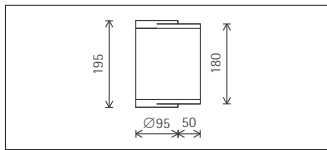
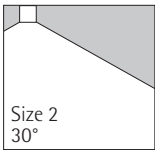


Spherolit lens, oval flood
6W 750lm
Graphit m
85104.000 ⏻

Cylinder Floor washlight and façade luminaire with LED

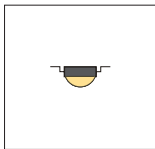


⏻ – switchable
Electronic control gear.

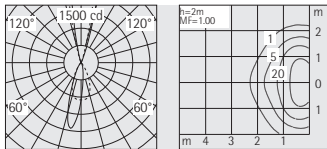


Weight 1.90kg

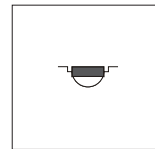
Wattage:
12W
1140lm - 1500lm



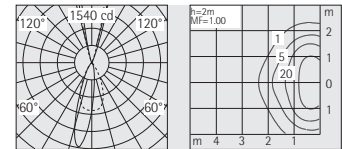
LED warm white
3000K
Version 3



Spherolit lens, spot
12W 1140lm
Graphit m
85114.000 ⏻

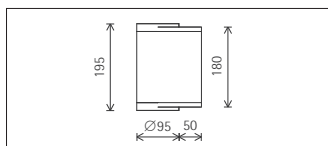
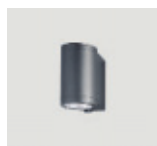


LED neutral white
4000K
Version 3

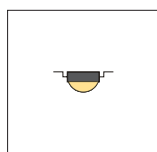


Spherolit lens, spot
12W 1500lm
Graphit m
85115.000 ⏻

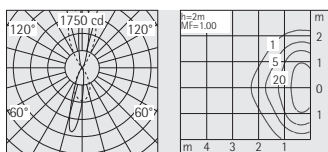
Cylinder Floor washlight and façade luminaire with LED



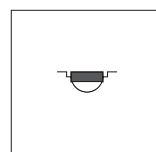
Weight 1.90kg



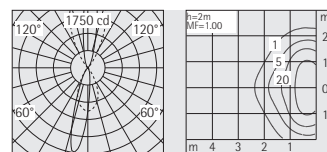
LED warm white
3000K
Version 3



Spherolit lens, oval flood
12W 1140lm
Graphit m
85112.000

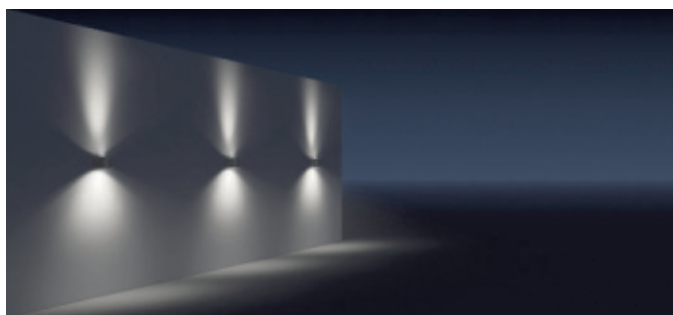
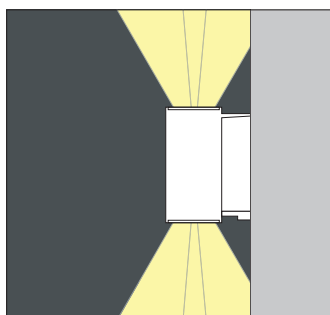


LED neutral white
4000K
Version 3

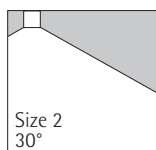


Spherolit lens, oval flood
12W 1500lm
Graphit m
85113.000

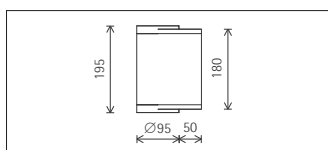
Cylinder Façade luminaire with LED



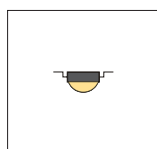
– switchable
Electronic control gear.



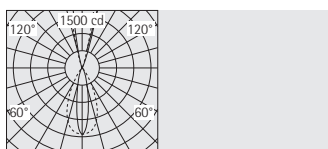
Wattage:
12W
1140lm - 1500lm



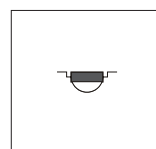
Weight 1.90kg



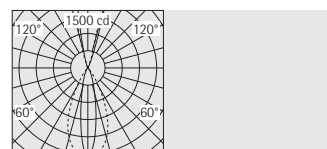
LED warm white
3000K
Version 3



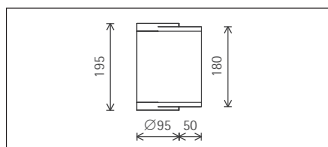
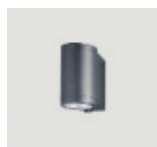
Spherolit lens, spot
12W 1140lm
Graphit m
85110.000



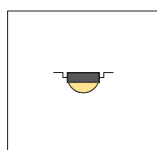
LED neutral white
4000K
Version 3



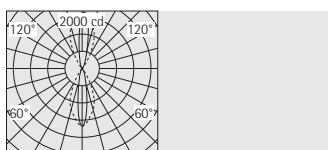
Spherolit lens, spot
12W 1500lm
Graphit m
85111.000



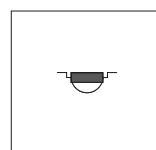
Weight 1.90kg



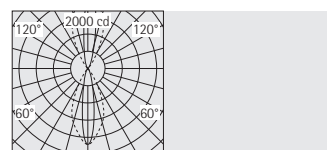
LED warm white
3000K
Version 3



Spherolit lens, oval flood
12W 1140lm
Graphit m
85108.000

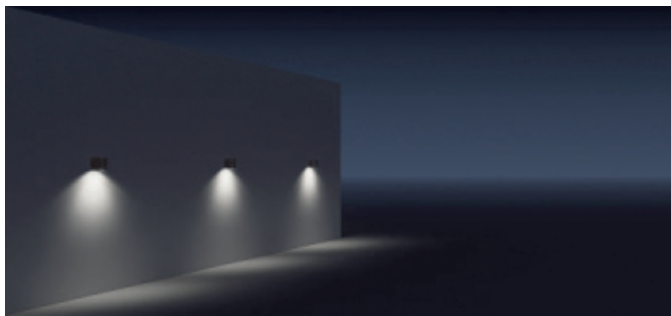
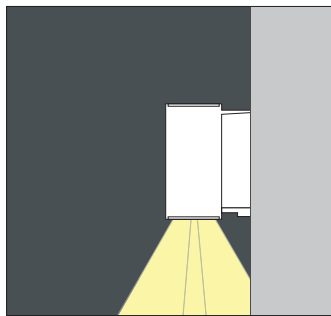


LED neutral white
4000K
Version 3

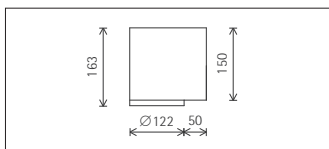
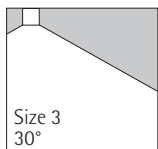


Spherolit lens, oval flood
12W 1500lm
Graphit m
85109.000

Cylinder Façade luminaire with LED

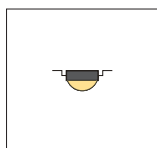


⏻ – switchable
Electronic control gear.

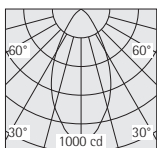


Weight 2.30kg

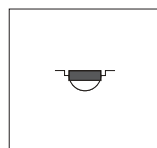
Wattage:
12W
1140lm - 1500lm



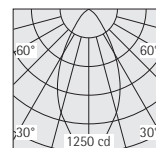
LED warm white
3000K
Version 3



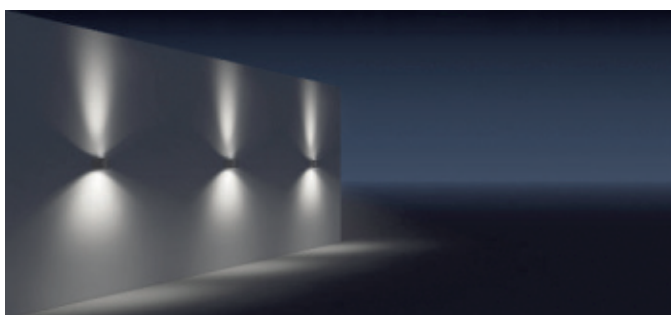
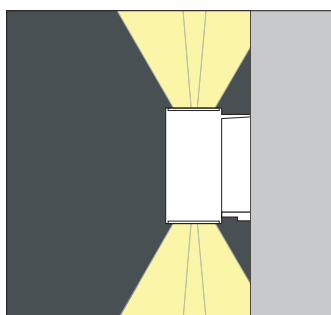
12W 1140lm
Graphit m
85101.000 ⏻



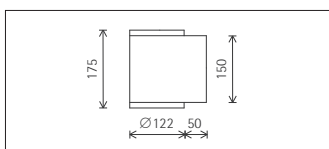
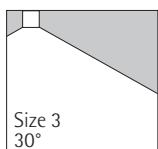
LED neutral white
4000K
Version 3



12W 1500lm
Graphit m
85100.000 ⏻

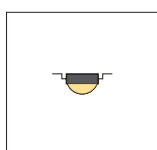


⏻ – switchable
Electronic control gear.

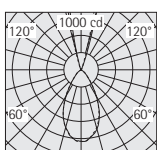


Weight 2.40kg

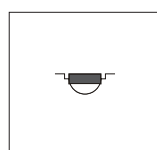
Wattage:
18W
1710lm - 2250lm



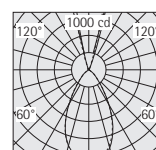
LED warm white
3000K
Version 3



Spherolit lens, spot
18W 1710lm
Graphit m
85103.000 ⏻

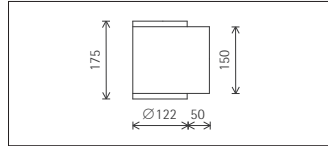


LED neutral white
4000K
Version 3

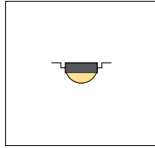


Spherolit lens, spot
18W 2250lm
Graphit m
85102.000 ⏻

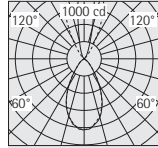
Cylinder Façade luminaire with LED



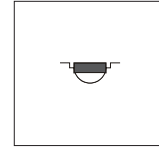
Weight 2.40kg



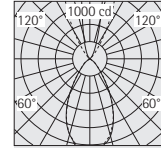
LED warm white
3000K
Version 3



Spherolit lens, oval flood
18W 1710lm
Graphit m
85107.000



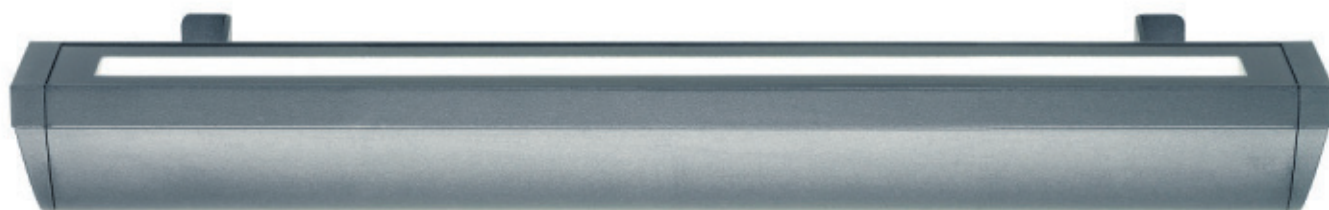
LED neutral white
4000K
Version 3



Spherolit lens, oval flood
18W 2250lm
Graphit m
85106.000

Architectural firm
Studio Matteo
Fantoni, Milan.
Architect: Arch.
Matteo Fantoni,
Milan.





Grazing light to perfection

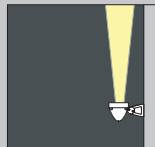
Emphasising façade surfaces with white or coloured light

Grazing light delivers incredibly effective illumination of building surfaces and emphasises details through high-contrast shadows – such superb results are achieved with Focalflood façade luminaires. Optimised for grazing light, their lens system enables wide luminaire spacing, still producing excellent uniformity on the façade. The luminaire is easily oriented to optimise further its grazing light effect. The

precision photometrics of the Focalflood façade luminaires include narrow light distribution over the whole wall to minimise spill light. Coloured light is as easy to produce as white light. Focalflood façade luminaires thus provide a creative basis for transforming façades into an eye-catching feature using coloured light or for subtle wash-lighting with grazing light.



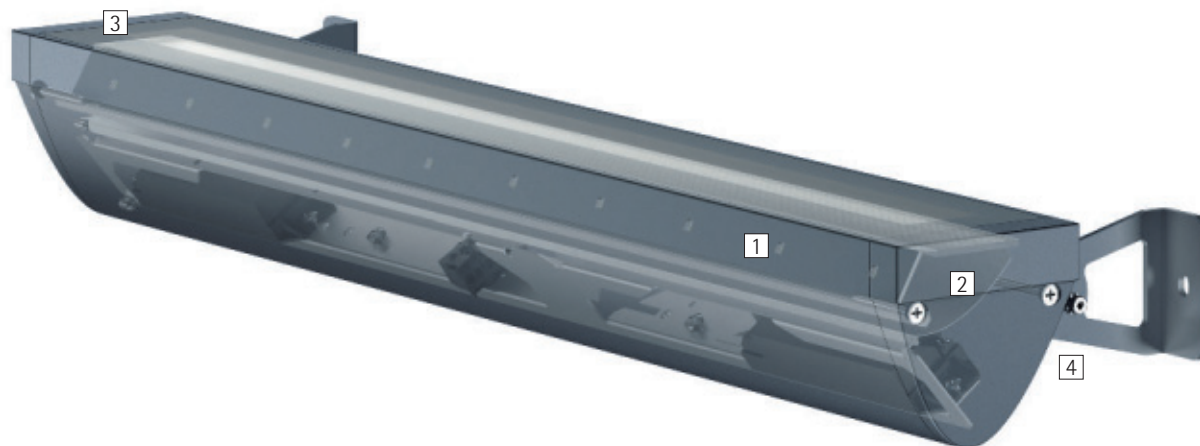
Accentuation
Emphasis of the façade
produced by a narrow light
beam.



Façade luminaires
Asymmetrical light distribution for
accentuated façade lighting.

LED
20W
1900lm - 2500lm

LED varychrome
20W
750lm



Structure and characteristics

The features described here are typical of products in this range. Special versions may offer additional or varying features. A comprehensive description of the features of individual products can be found on our ERCO Light Scout website. The direct links for quick access always take the same form:

www.erco.com/<article number>

Detailed information on the features is provided from **page 567**.

1 ERCO LED module

- Light colours: warm white, neutral white or varychrome RGB

2 ERCO reflector

- Asymmetrical reflector lens system: aluminium, silver anodised
- Optimised LED screening ensures no direct light emission

3 Front section

- Graphit m
- Corrosion-resistant aluminium, No-Rinse surface treatment
- Double powder-coated
- Softec lens

4 Housing

- Graphit m
- Corrosion-resistant aluminium profile, No-Rinse surface treatment
- Double powder-coated
- Optimised surface for reduced accumulation of dirt
- Screw-fastened end plates: corrosion-resistant cast aluminium
- Two mounting brackets for positioning as required: corrosion-resistant aluminium
- 135° tilt
- Cable, 3x1mm² or 5x1.5mm², L 1.5m

Control gear:


- Switchable or DALI dimmable


Protection mode IP65

Dust-tight and water jet-proof

Special characteristics

 Highly efficient photometrics

 Grazing light wallwasher

 Coloured light



ERCO LEDs



Different light colours



Excellent thermal management



Tiltable 135°



Protection mode IP65

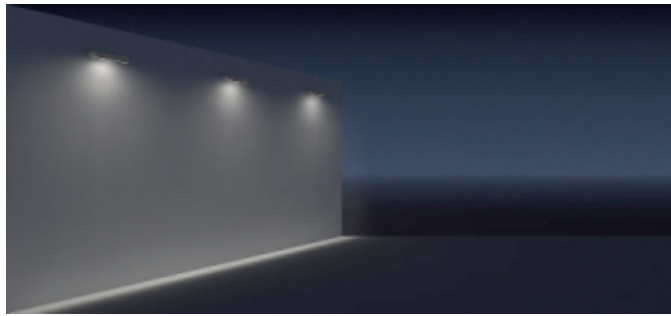
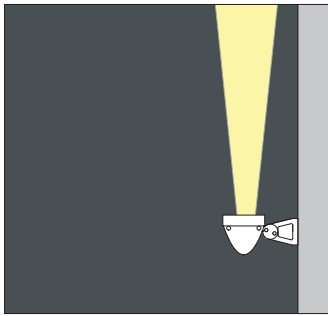


Switchable



DALI dimmable

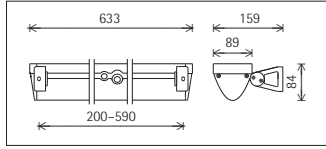
Focalflood Façade luminaire with LED



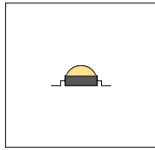
☽ – **switchable**
Electronic control gear.

DALI – dimmable
DALI control gear.

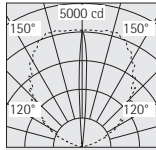
Wattage:
20W
750lm - 2500lm



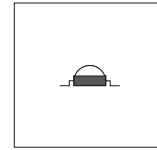
Weight 3.20kg



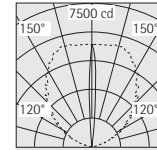
LED warm white
3000K
Version 6



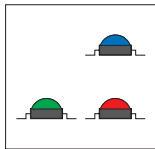
20W 1900lm
Graphit m
34170.000 ☽



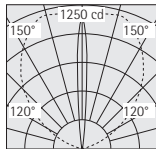
LED neutral white
4000K
Version 6



20W 2500lm
Graphit m
34172.000 ☽



LED red, green,
blue
Version 2



20W 750lm
Graphit m
34171.000 DALI

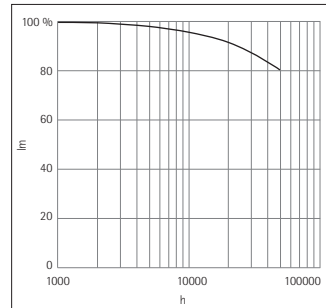
Banca Farnese, Pi-
acenza. Architect:
Studio Scagnelli,
Piacenza.



Bollard luminaires

Highest LED quality at ERCO

ERCO sources the LEDs globally from reputable manufacturers, specifying the highest standards of luminous flux, luminous efficacy, colour rendition, colour temperature (i.e. colour of light) and consistency in mass production. The arrangement of the LEDs on the PCB depends on the actual lighting task and optical system. In-house PCB design and manufacture allow optimisation of the complete system. This involves using suitable layouts for each separate light distribution and precise mounting points for the secondary lens, while also considering optimum heat dissipation from the LED chips via the PCB to the housing. The ERCO system design offers a high level of planning certainty because all LED product ranges feature the same characteristics in terms of colour location, colour rendition and luminous efficacy.



ERCO high-power LEDs

At 700mA, an LED has an output of around 2W. This results in a luminous efficacy of 125lm/W for neutral white LEDs and 95lm/W for warm white LEDs.

Long life

Excellent thermal management as a focal point at ERCO ensures that the LEDs in all luminaires achieve a rated life of 50,000 hours (L80/B10). Effectively, this means that the luminous flux of no more than 10% of all LEDs

in this period reduces to 80% or less of the initial value. In other words, at least 90% of all LEDs will still achieve more than 80% of the original luminous flux after 50,000 hours.

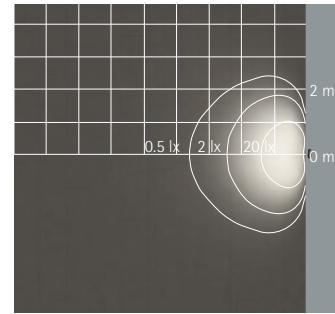
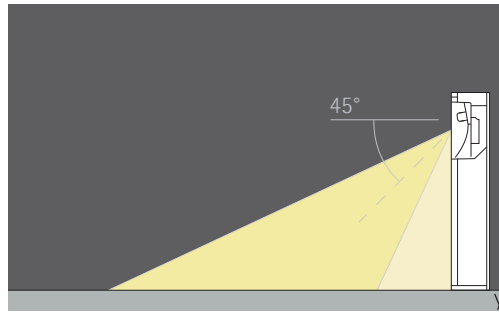


Highly efficient photometrics

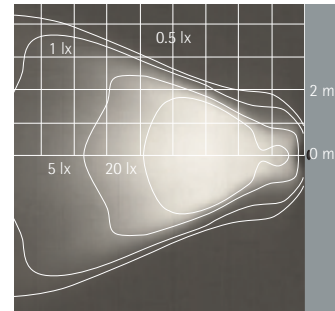
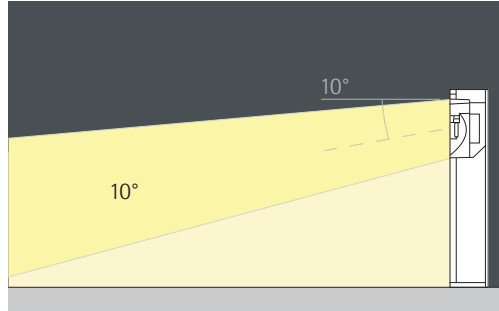
The lens system made of high-quality optical polymers is characterised by superior efficiency.

Bollard luminaires

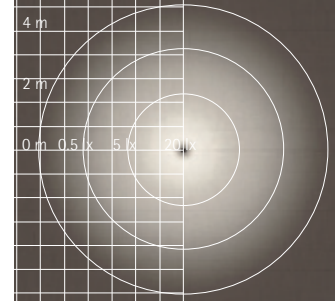
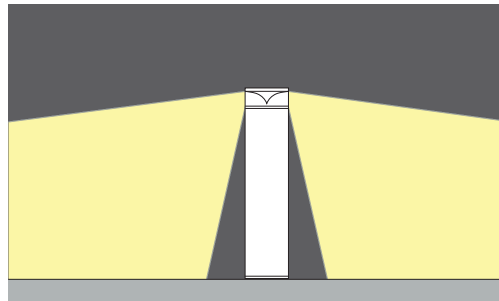
Different light distributions
 ERCO offers luminaires with a variety of light distributions to suit different lighting tasks: floor washlights with wide beam or deep beam, and wall-washers.



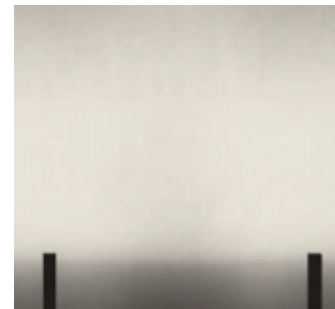
Floor washlights for pathway lighting
 Floor washlights with a wide beam are ideal particularly for lighting pathways along walls and façades.



Floor washlights for open area lighting
 Floor washlights with a deep beam are effective in illuminating open spaces such as squares or terraces.



Floor washlights for open area lighting
 Bollard luminaires with a radial beam are suitable for uniform illumination of squares or terraces.

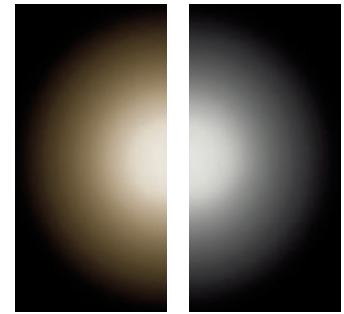
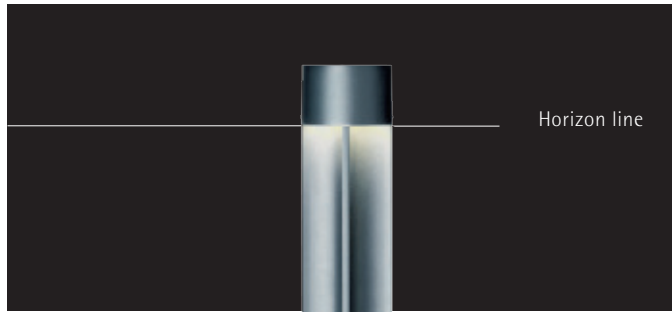


Façade floodlights
 Façade floodlights produce a wide and very uniform illumination of vertical surfaces due to their asymmetrical light distribution.

Bollard luminaires

Visual comfort

The Dark Sky technology of bollard luminaires, which prevents light spilling above the horizontal plane, is effective in protecting pedestrians and drivers from glare. With Midipoll luminaires, discreet grazing light on the luminaire additionally facilitates orientation.



No upward light emission

Luminaires with Dark Sky technology do not emit any light above the horizontal, thereby facilitating effective lighting solutions in the outdoor area.



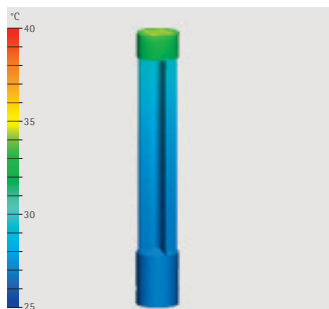
Different light colours

Warm white LEDs optimally emphasise warm materials such as wood. Neutral white LEDs accentuate cold materials including concrete and metal with a higher luminous efficacy.



See and be seen

The bollard luminaires emit a pleasant light helping to see the adjacent area. The discreet grazing light on the distinct cross-shaped profile of the Midipoll bollard luminaire creates its own focal point.



Excellent thermal management

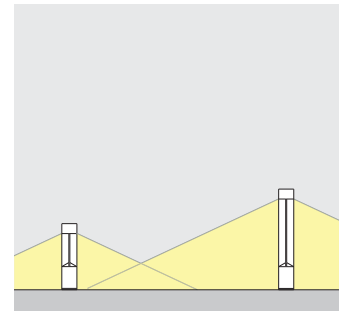
Thermal management creates optimal conditions for continuous operation. This enables ERCO to ensure that the light sources emit maximum luminous flux and

that heat-sensitive components or control gear achieve their full service life.

Bollard luminaires

System design in practice

Taking system design to its logical conclusion is a characteristic feature of ERCO products. It allows lighting tools which are very similar in design to be used for many different lighting tasks. This strategy makes a convincing argument not only from a design point of view, but also from a technical perspective.



Different sizes
The luminaires in the ERCO product range cover a wide variety of lumen categories and therefore offer an appropriate solution for a large number of lighting tasks.



Focus on mounting and accessories

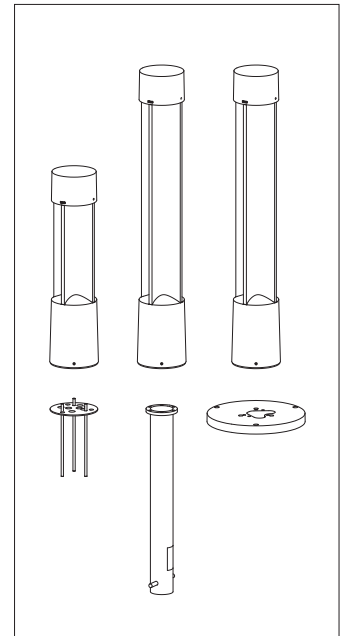
ERCO's differentiated product range has stood the test both in day-to-day applications and in special situations – from installation of the luminaires in open spaces to satisfying the requirement of high protection modes.



Protection mode IP65
Luminaires rated to protection mode IP65 are dust-tight and protected against strong jets of water from any direction.

Accessories for mounting versions

The ERCO system design allows for different mounting versions. Suitable products for your mounting situation can be found in the accessories overview.



Switching and dimming bollard luminaires

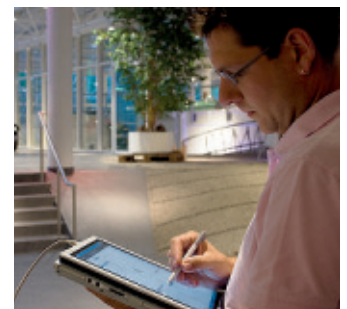
The optimum dimming behaviour of LEDs makes them ideal for integration in lighting control systems – for differentiated levels of brightness in qualitative lighting design concepts, for instance, or for efficient visual comfort using sensor technology. From a technical aspect, bollard luminaires offer various options: switching, dimming through trailing edge technology, and DALI control.



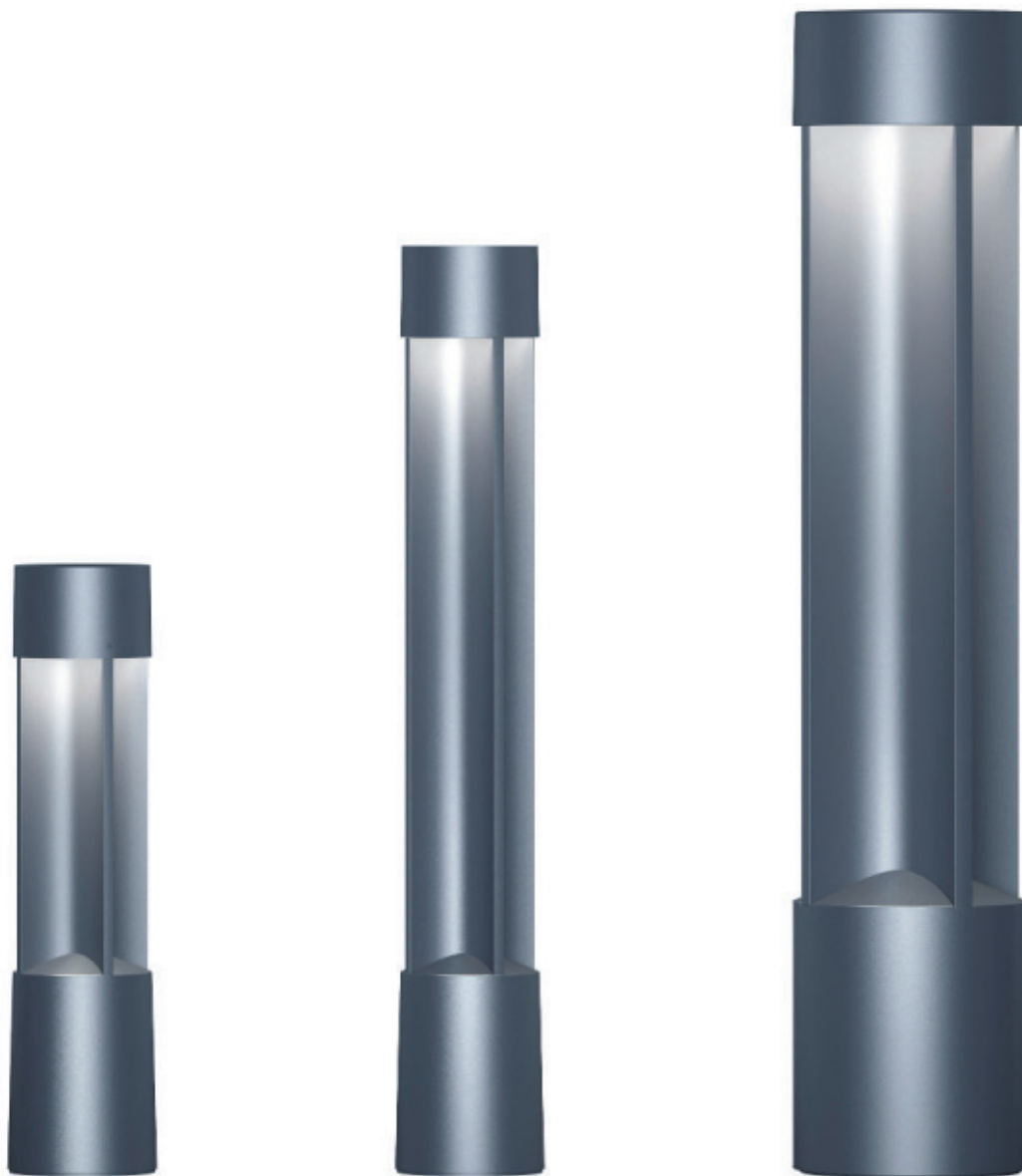
Switchable
Switchable luminaires can be switched on or off as required using manual switches or actuators.



Phase dimmable
Dimmable luminaires can be operated using external trailing-edge dimmers.



DALI dimmable
DALI dimmable luminaires are suitable for DALI based lighting control systems. Dimming enables the flexible setting of light scenes.



See and be seen

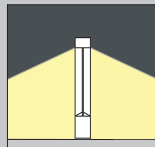
Subtle grazing light on the striking, cross-shaped profile transforms Midipoll into a defining element.

With Midipoll, ERCO presents a bollard luminaire in the context of efficient visual comfort. Its innovative photometrics with special prismatic lens effectively project the luminous flux onto the target surface – without causing glare, therefore fulfilling Dark Sky requirements. The night can emerge and the stars are visible. During this time, the grazing light on the luminaire creates a subtle eye-catcher and ensures ori-

entation on squares and paths. During the day, Midipoll acts as an elegant column with a profile formed of four parabolas. The sum of these properties confirms that this is where the future of outdoor lighting is to be found.



Washlighting
Wide-beam illumination of pathways and open areas.



Floor washlights
Rotationally symmetrical washlighting penetrating deep into an area to illuminate open spaces.

LED
8W - 24W
760lm - 3000lm

Metal halide lamps
20W - 35W
1800lm - 4000lm

Structure and characteristics

The features described here are typical of products in this range. Special versions may offer additional or varying features. A comprehensive description of the features of individual products can be found on our ERCO Light Scout website. The direct links for quick access always take the same form:

www.erco.com/<article number>

Detailed information on the features is provided **from page 604**.



1 ERCO LED module

- High-power LEDs on metal-core PCB
- Light colours: warm white or neutral white
- Collimating lens made of optical polymer

2 Cylindrical luminaire head

- Corrosion-resistant cast aluminium, No-Rinse surface treatment
- Graphit m double powder-coated
- Lower prismatic lens or Softec lens

3 Cross-shaped aluminium profile

- Graphit m
- Corrosion-resistant, No-Rinse surface treatment
- Double powder-coated

4 Cylindrical housing

- Corrosion-resistant cast aluminium, No-Rinse surface treatment
- Graphit m double powder-coated
- Optimised surface for reduced accumulation of dirt
- Mounting accessories to be ordered separately

Control gear:

- Switchable, phase dimmable or DALI dimmable

Phase dimmable version:

- Dimming with external dimmers possible (trailing edge)

Protection mode IP65

Dust-tight and water jet-proof

Special characteristics

 Highly efficient photometrics

 Different sizes



ERCO high-power LEDs



Different light colours



Dark Sky technology



Excellent thermal management



Protection mode IP65



Switchable

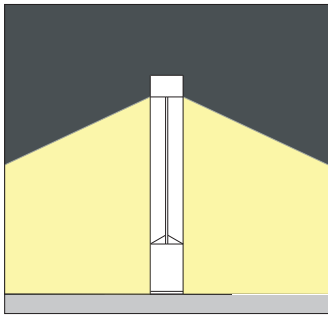


Phase dimmable



DALI dimmable

Midipoll Bollard luminaire Floor washlight with LED

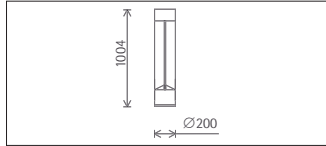


☰ – **switchable**
Electronic control gear.

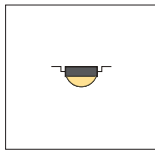
Dim – phase dimmable
Electronic control gear, dimmable. Dimming with external dimmers possible (leading-edge).

DALI – dimmable
DALI control gear.

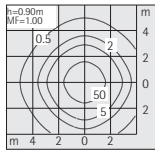
Wattage:
24W
2280lm - 3000lm



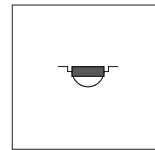
Weight 11.00kg



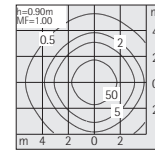
LED warm white
3000K
Version 5



24W 2280lm
Graphit m
33309.000 Dim

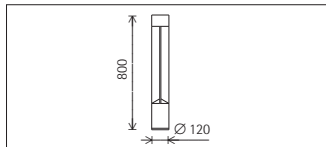


LED neutral white
4000K
Version 5

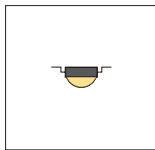


24W 3000lm
Graphit m
33310.000 Dim

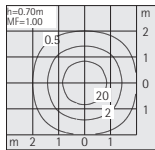
Wattage:
8W
760lm - 1000lm



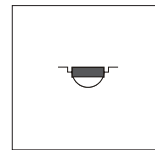
Weight 4.80kg



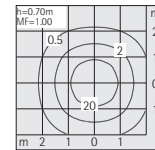
LED warm white
3000K
Version 5



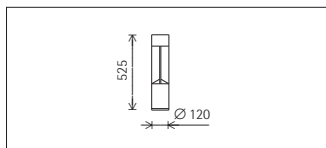
8W 760lm
Graphit m
33334.000 ☰
33316.000 DALI



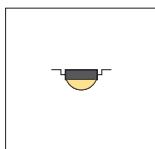
LED neutral white
4000K
Version 5



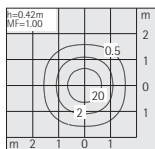
8W 1000lm
Graphit m
33344.000 ☰
33317.000 DALI



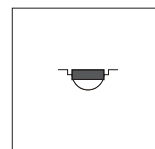
Weight 3.30kg



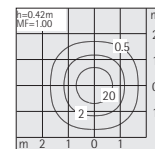
LED warm white
3000K
Version 5



8W 760lm
Graphit m
33333.000 ☰
33318.000 DALI



LED neutral white
4000K
Version 5



8W 1000lm
Graphit m
33343.000 ☰
33319.000 DALI

Midipoll for metal halide lamps

Structure and characteristics

The features described here are typical of products in this range. Special versions may offer additional or varying features. A comprehensive description of the features of individual products can be found on our ERCO Light Scout website. The direct links for quick access always take the same form:

www.erco.com/<article number>

Detailed information on the features is provided from page 604.



1 ERCO reflector

- Aluminium, silver anodised

2 Cylindrical luminaire head

- Corrosion-resistant cast aluminium, No-Rinse surface treatment
- Graphit m double powder-coated
- Lower flood lens

3 Cross-shaped aluminium profile

- Graphit m
- Corrosion-resistant, No-Rinse surface treatment
- Double powder-coated

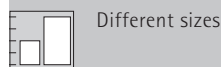
4 Cylindrical housing

- Corrosion-resistant cast aluminium, No-Rinse surface treatment
- Graphit m double powder-coated
- Optimised surface for reduced accumulation of dirt
- For mounting on accessories
- Mounting accessories to be ordered separately
- Electronic control gear

Protection mode IP65

- Dust-tight and water jet-proof

Special characteristics



Different sizes



Dark Sky technology

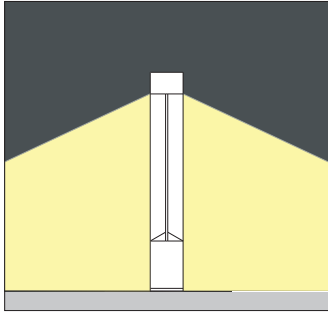


Protection mode IP65



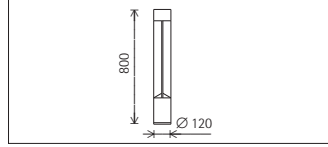
Switchable

Midipoll Bollard luminaire Floor washlight for metal halide lamps

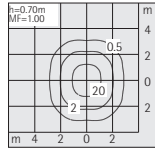
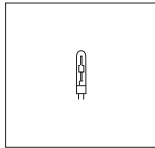


⏻ – switchable
Electronic control gear.

Wattage:
20W - 35W
1800lm - 4000lm

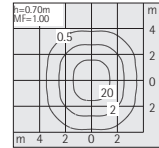


Weight 4.80kg

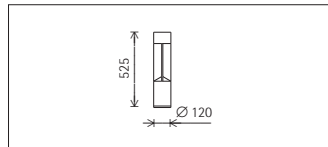


HIT-TC-CE

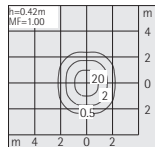
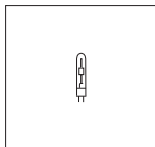
20W G8.5 1800lm
Graphit m
33338.000 ⏻



35W G8.5 4000lm
Graphit m
33342.000 ⏻

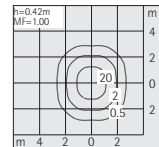


Weight 3.30kg



HIT-TC-CE

20W G8.5 1800lm
Graphit m
33337.000 ⏻



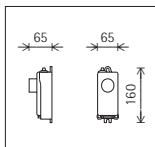
35W G8.5 4000lm
Graphit m
33339.000 ⏻

Hotel Santa Marta,
Lloret de Mar.
Architect: Carles
Sobirà, Lloret de
Mar.



Midipoll Accessories

Suitable accessories for each article are indicated on the relevant product specification sheet. Product specification sheets are available in ERCO's Light Scout at: www.erco.com/<article number>



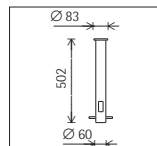
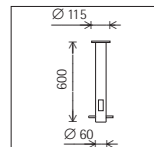
34964.000
Cable junction box, IP54
Plastic, black.
Terminal block 2 of 5x2.5mm².
1 fuse D01 E14 10A.
Weight 0.25kg



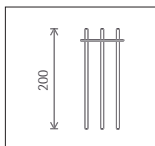
34974.000
Distribution box, IP68
With four cable entries, 7-25mm.
Plastic.
ø 102mm,
L 305mm.
Weight 0.47kg



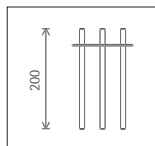
33974.000
Ground socket
Metal, hot-dip galvanised.
Cable entry.
Weight 2.30kg



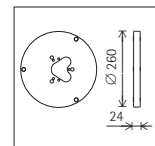
33975.000
Ground socket
Metal, hot-dip galvanised.
Cable entry.
Weight 1.75kg



33980.000
Concrete anchor
Mounting plate with threaded bar and fixing nuts M6. Individual parts to be assembled on-site.
Weight 0.30kg



33981.000
Concrete anchor
Mounting plate with threaded bar and fixing nuts M10. Individual parts to be assembled on-site.
Weight 0.76kg



33982.000
Mounting plate
Corrosion-resistant cast aluminium, No-Rinse surface treatment. Graphit m, double powder-coated.
Weight 1.70kg



Hotel Santa Marta,
Lloret de Mar.
Architect: Carles
Sobirà, Lloret de
Mar.



360° Dark Sky

The light of Panorama bollard luminaires illuminates the ground almost magically leaving the night sky dark.

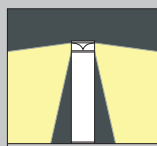
"Dark Sky" technology for ERCO means innovative photometrics that guide the light of bollard luminaires where it is needed – onto paths and squares. No troublesome glare, no wasteful spill light above the horizontal plane – moon and stars remain visible. Panorama excels in effective illumination of open spaces, emitting light throughout a full 360° and up to 6m deep over the area to be illuminated. Its efficiency

means spacing of up to 12m, and the gentle gradient of the beam makes it easier to see by avoiding harsh contrasts and rapid visual adaptation. The low level of brightness on the glass cylinder further improves the already excellent visual comfort of the Panorama.



Washlighting

Wide-beam illumination of pathways and open areas.



Floor washlights

Rotationally symmetrical washlighting penetrating deep into an area to illuminate open spaces.

LED

8W - 24W
760lm - 3000lm

Low-voltage halogen lamps

50W - 100W
1250lm - 2200lm

Metal halide lamps

20W - 70W
1800lm - 7750lm



Structure and characteristics

The features described here are typical of products in this range. Special versions may offer additional or varying features. A comprehensive description of the features of individual products can be found on our ERCO Light Scout website. The direct links for quick access always take the same form:

www.erco.com/<article number>

Detailed information on the features is provided from page 604.

1 ERCO reflector

- 360° cone reflector with Dark Sky technology
- Plastic, aluminium vaporised, silver, mirror-finish
- Glare-free above the light aperture

2 ERCO LED module

- High-power LEDs on metal-core PCB
- Light colours: warm white or neutral white
- Collimating lens made of optical polymer

3 Upper cover

- Corrosion-resistant cast aluminium, No-Rinse surface treatment
- Graphit m double powder-coated
- Optimised surface for reduced accumulation of dirt
- Cross baffle: metal, black
- Glass cylinder

4 Aluminium tube

- Corrosion-resistant, No-Rinse surface treatment
- Graphit m double powder-coated

Control gear:

- Phase dimmable
- Dimming with external dimmers possible (trailing edge)


5 Base plate

- For mounting on concrete plinth or accessories

Protection mode IP65

Dust-tight and water jet-proof

Special characteristics

 Different sizes



ERCO high-power LEDs



Excellent thermal management



Phase dimmable



Different light colours

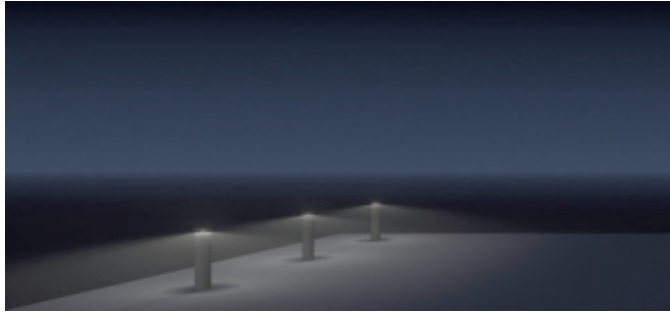
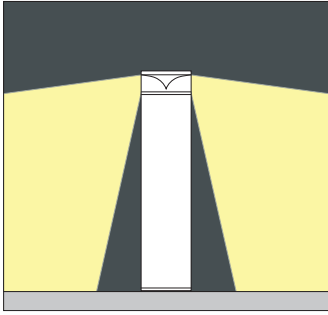


Protection mode IP65



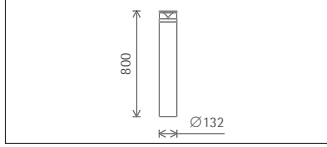
Dark Sky technology

Panorama Bollard luminaire Floor washlight with LED

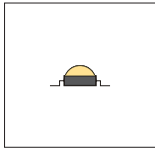


Dim – phase dimmable
Electronic control gear, dimmable. Dimming with external dimmers possible (trailing edge).

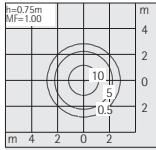
Wattage:
8W
760lm - 1000lm



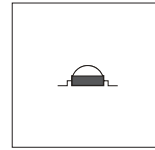
Weight 5.50kg



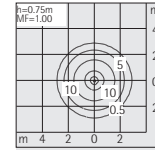
LED warm white
3000K
Version 1



8W 760lm
Graphit m
33360.000 Dim

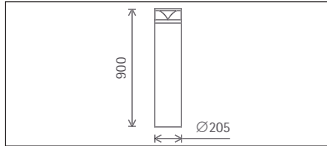


LED neutral white
4000K
Version 1

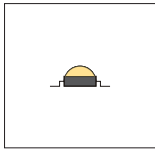


8W 1000lm
Graphit m
33402.000 Dim

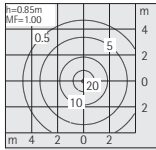
Wattage:
24W
2280lm - 3000lm



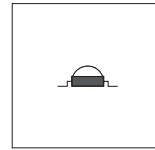
Weight 8.80kg



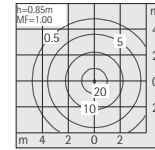
LED warm white
3000K
Version 1



24W 2280lm
Graphit m
33403.000 Dim



LED neutral white
4000K
Version 1



24W 3000lm
Graphit m
33404.000 Dim



Wiesbadener
Volksbank Private
Banking, Wies-
baden. Lighting
design: Arne
Fiedler, Wies-
baden.

Structure and characteristics

The features described here are typical of products in this range. Special versions may offer additional or varying features. A comprehensive description of the features of individual products can be found on our ERCO Light Scout website. The direct links for quick access always take the same form:

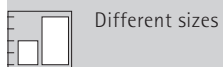
www.ercos.com/<article number>

Detailed information on the features is provided from page 604.



- 1 ERCO reflector**
 - 360° cone reflector with Dark Sky technology
 - Aluminium, silver anodised, mirror-finish
 - Glare-free above the light aperture
 - 2 ERCO parabolic reflector**
 - Aluminium, silver anodised, mirror-finish
 - 3 Upper cover**
 - Corrosion-resistant cast aluminium, No-Rinse surface treatment
 - Graphit m double powder-coated
 - Optimised surface for reduced accumulation of dirt
 - Anti-glare screen: metal, black
 - Glass cylinder
 - 4 Aluminium tube**
 - Corrosion-resistant, No-Rinse surface treatment
 - Graphit m double powder-coated
 - for low-voltage halogen lamps:**
 - Electronic transformer
 - Use dimmers for electronic transformers (trailing edge)
 - for metal halide lamps:**
 - Electronic control gear
 - 5 Base plate**
 - For mounting on concrete plinth or accessories
- Protection mode IP65**
Dust-tight and water jet-proof

Special characteristics



Dark Sky technology



Protection mode IP65

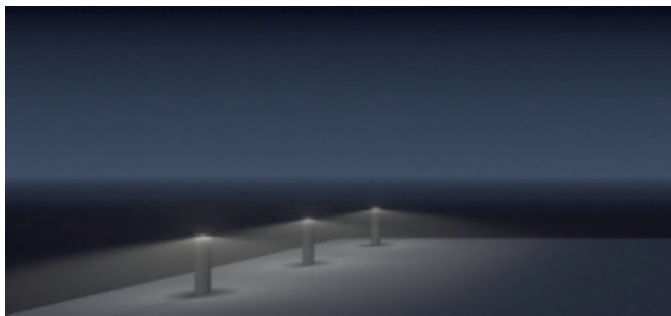
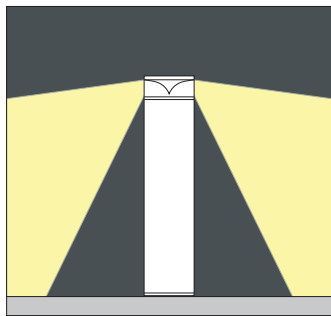


Phase dimmable



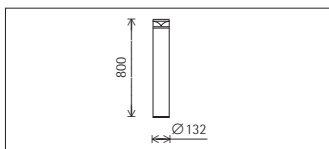
Switchable

Panorama Bollard luminaire Floor washlight for low-voltage halogen lamps

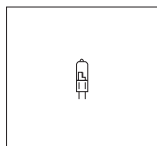


Dim – phase dimmable
Electronic transformer. Use dimmers for electronic transformers (trailing edge).

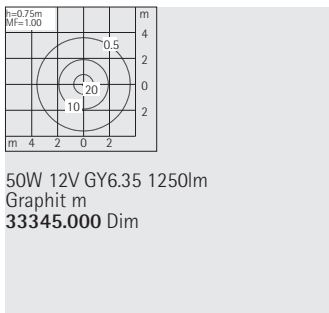
Wattage:
50W
1250lm



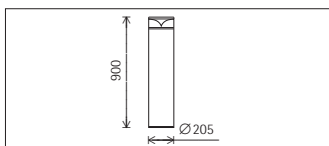
Weight 5.30kg



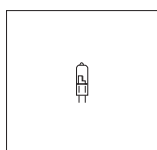
QT 12-ax-RE



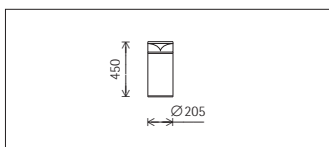
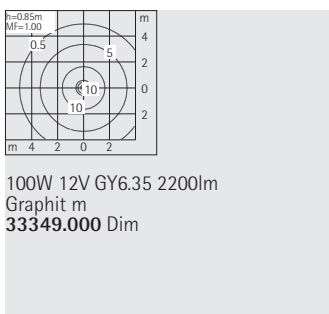
Wattage:
100W
2200lm



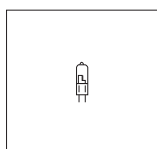
Weight 8.30kg



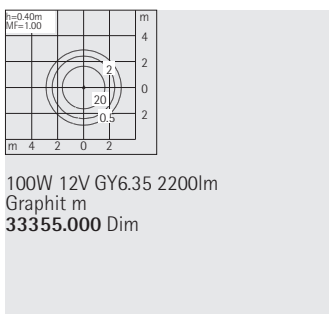
QT 12-ax



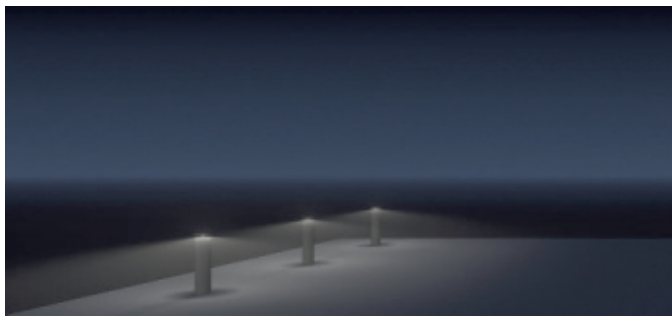
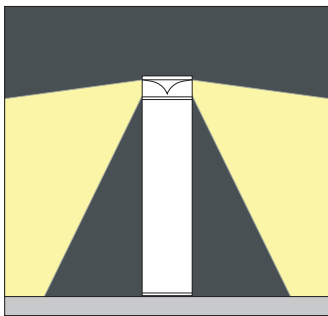
Weight 5.70kg



QT 12-ax

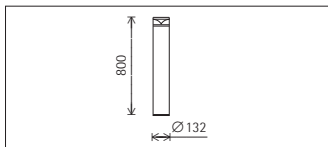


Panorama Bollard luminaire Floor washlight for metal halide lamps

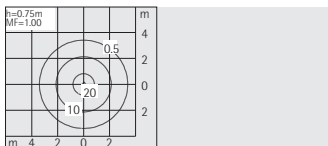
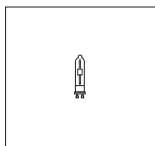


☺ – switchable
Electronic control gear.

Wattage:
20W - 35W
1800lm - 4000lm

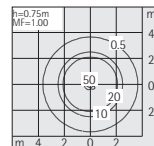
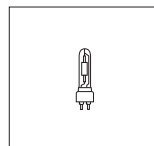


Weight 5.50kg



HIT-TC-CE

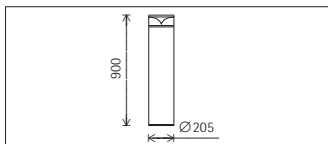
20W GU6.5 1800lm
Graphit m
33359.000 ☺



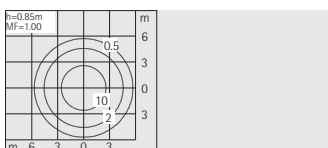
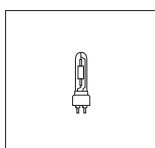
HIT-CE

35W G12 4000lm
Graphit m
33347.000 ☺

Wattage:
35W - 70W
4000lm - 7750lm

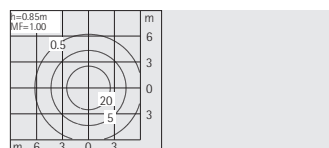


Weight 8.80kg



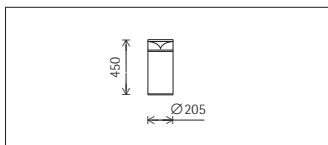
HIT-CE

35W G12 4000lm
Graphit m
33351.000 ☺

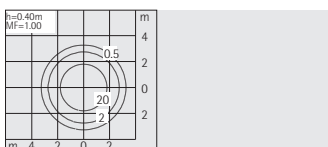
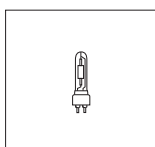


70W G12 7750lm
Graphit m
33353.000 ☺

Wattage:
35W
4000lm



Weight 6.10kg



HIT-CE

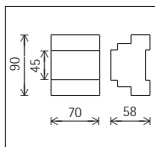
35W G12 4000lm
Graphit m
33357.000 ☺

Panorama Accessories

Suitable accessories for each article are indicated on the relevant product specification sheet. Product specification sheets are available in ERCO's Light Scout at: www.ercos.com/<article number>



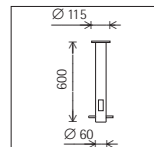
83829.000
DALI
 DALI dimmer 1000W for ohmic loads, conventional and electronic transformers. Mounting on DIN rail. Weight 0.18kg



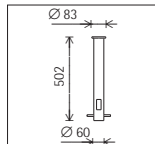
34974.000
 Distribution box, IP68. With four cable entries, 7-25mm. Plastic. \varnothing 102mm, L 305mm. Weight 0.47kg



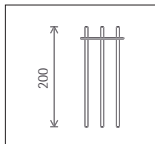
33974.000
 Ground socket. Metal, hot-dip galvanised. Cable entry. Weight 2.30kg



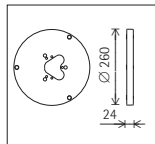
33975.000
 Ground socket. Metal, hot-dip galvanised. Cable entry. Weight 1.75kg



33980.000
 Concrete anchor. Mounting plate with threaded bar and fixing nuts M6. Individual parts to be assembled on-site. Weight 0.30kg



33982.000
 Mounting plate. Corrosion-resistant cast aluminium, No-Rinse surface treatment. Graphite m, double powder-coated. Weight 1.70kg



Harbour, Hjo.
 Architect: Hjo Kommun Stadsbyggnad & Miljö.
 Lighting design: White Design AB, Gothenburg.



Clear lines

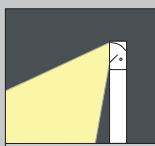
A bright partner for pathways and façades

Lightmark bollard luminaires are subtle but deliver very superior glare control. Different light distributions make them ideal for a variety of applications. Lightmark bollard luminaires with a wide beam ensure uniform illumination of pathways. The deep-beam version excels in lighting squares and terraces. Dark Sky technology maximises the visual comfort and prevents spill light above the horizontal. Lightmark luminaires are

also available as façade floodlights for use as powerful tools in the uniform illumination of buildings. In combination, they help to accomplish integrative lighting solutions that incorporate both pathways and façades.



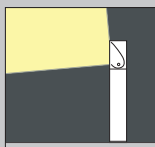
Washlighting
Wide-beam illumination of pathways and open areas.



Floor washlights
Asymmetrical washlighting with a wide or deep beam for the illumination of pathways or squares.

Metal halide lamps
35W
4000lm
Light distribution: Sculpture lens

Wallwashing
Vertical illuminance for brightening the surroundings and segmenting the exterior landscape.



Façade luminaires
Asymmetrical light distribution for highly uniform façade illumination.

Metal halide lamps
35W - 70W
4000lm - 6500lm



Structure and characteristics
 The features described here are typical of products in this range. Special versions may offer additional or varying features. A comprehensive description of the features of individual products can be found on our ERCO Light Scout website. The direct links for quick access always take the same form:

www.ercos.com/<article number>

Detailed information on the features is provided from page 604.

- 1 ERCO reflector**
- Aluminium, silver anodised
 - Floor washlight, wide beam:**
 - Asymmetrical reflector lens system
 - Floor washlight, deep beam:**
 - Asymmetrical reflector flood system

- Anti-glare element (floor washlight, deep beam)**
- Metal


- 2 Luminaire housing**
- Corrosion-resistant cast aluminium, No-Rinse surface treatment
 - Graphit m, double powder-coated
 - Optimised surface for reduced accumulation of dirt
 - Tamper-proof screws
 - Spread lens as safety glass
 - Electronic control gear


- 3 Bollard**
- Corrosion-resistant aluminium profile, No-Rinse surface treatment
 - Graphit m, double powder-coated
 - Tamper-proof screws


- 4 Base plate**
- For mounting on concrete plinth or accessories


Protection mode IP65
 Dust-tight and water jet-proof

Special characteristics

 Different light distributions: wide or deep

 Different sizes

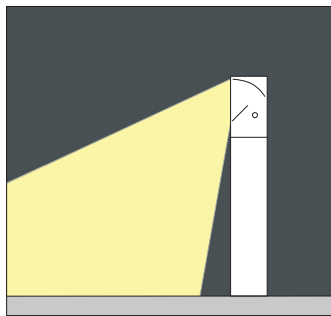
 Dark Sky technology

 Protection mode IP65

 Switchable

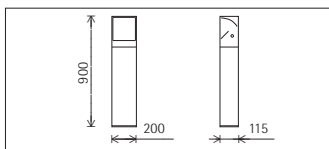
 **Note:**
 Lightmark façade luminaires are featured from page 592

Lightmark Bollard luminaire Floor washlight for metal halide lamps

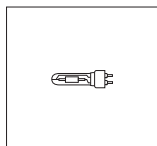


⏻ – switchable
Electronic control gear.

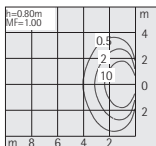
Wattage:
35W
4000lm



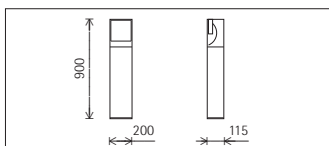
Weight 8.60kg



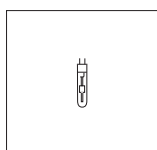
HIT-CE



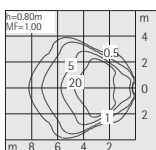
35W G12 4000lm
Graphit m
33453.000 ⏻



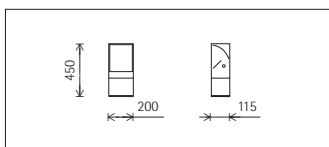
Weight 8.60kg



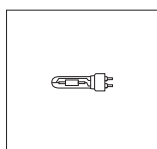
HIT-TC-CE



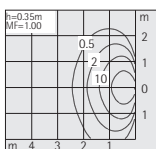
Sculpture lens
35W G8.5 4000lm
Graphit m
33460.000 ⏻



Weight 6.10kg

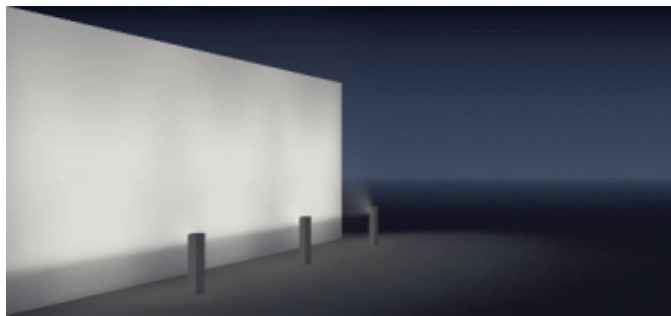
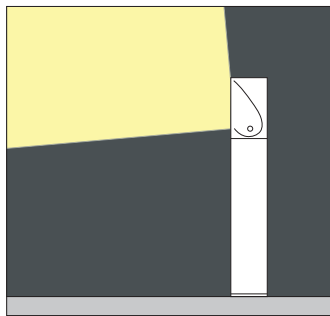


HIT-CE



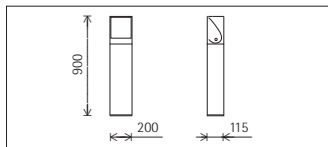
35W G12 4000lm
Graphit m
33467.000 ⏻

Lightmark Bollard luminaire Façade floodlight for metal halide lamps

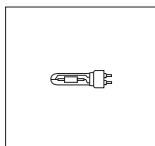


☽ – switchable
Electronic control gear.

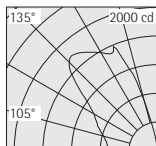
Wattage:
35W - 70W
4000lm - 6500lm



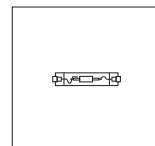
Weight 8.60kg



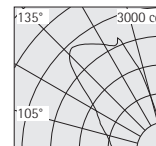
HIT-CE



35W G12 4000lm
Graphit m
33462.000 ☽



HIT-DE-CE



70W RX7s 6500lm
Graphit m
33464.000 ☽

Lightmark Accessories

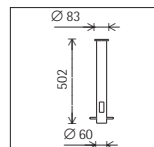
Suitable accessories for each article are indicated on the relevant product specification sheet. Product specification sheets are available in ERCO's Light Scout at: www.ercos.com/<article number>



34974.000
Distribution box,
IP68
With four cable
entries, 7-25mm.
Plastic.
ø 102mm,
L 305mm.
Weight 0.47kg



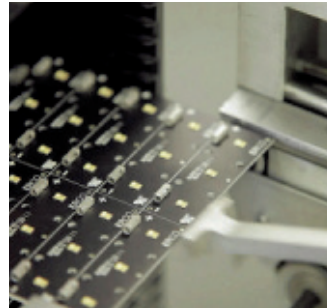
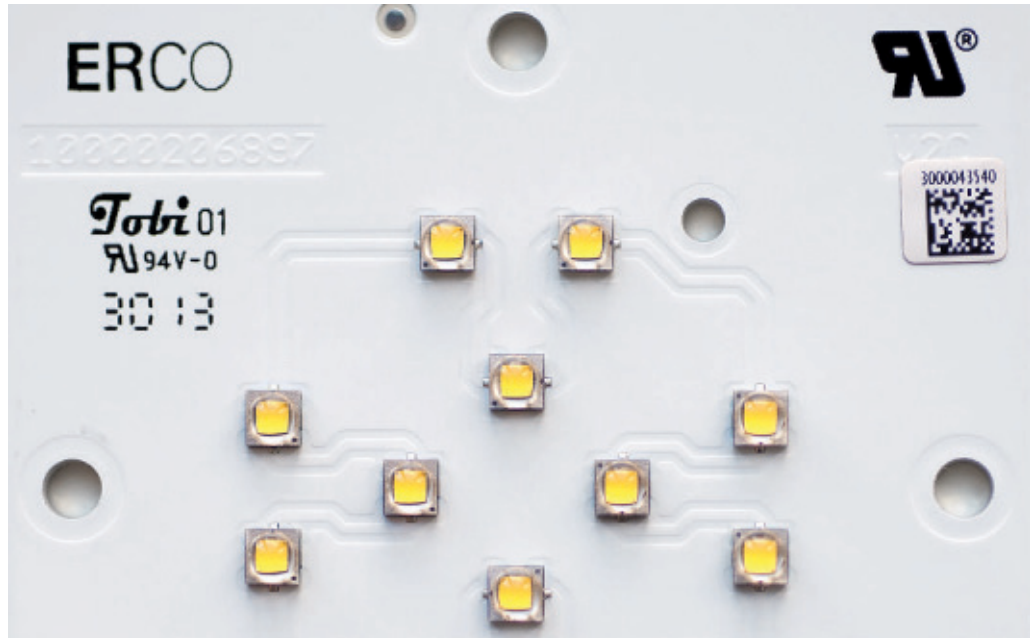
33975.000
Ground socket
Metal, hot-dip galvanised.
Cable entry.
Weight 1.75kg



Ceiling luminaires LED modules

Highest LED quality at ERCO

ERCO sources the LEDs globally from reputable manufacturers, specifying the highest standards of luminous flux, luminous efficacy, colour rendition, colour temperature (i.e. colour of light) and consistency in mass production. The arrangement of the LEDs on the PCB depends on the actual lighting task. In-house PCB design and manufacture allow optimisation of the complete system. This involves using suitable layouts for each separate light distribution and precise mounting points for the secondary lens, while also considering optimum heat dissipation from the LED chips via the PCB to the housing. The ERCO system design offers a high level of planning certainty because all LED product ranges feature the same characteristics in terms of colour location, colour rendition and luminous efficacy.

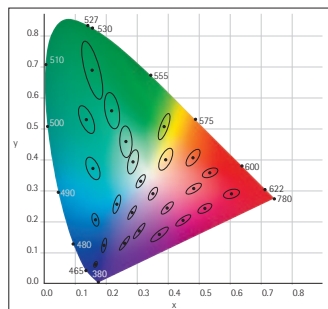
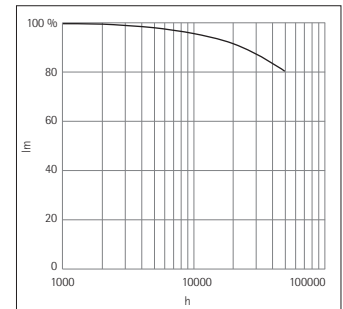


ERCO high-power LEDs

At 700mA, an LED has an output of around 2W. This results in a luminous efficacy of 125lm/W for neutral white LEDs and 95lm/W for warm white LEDs.

In-house PCB manufacture

The PCBs are assembled with LEDs using cutting-edge production methods. ERCO subsequently tests each LED for proper functioning.



Precise chromaticity location in LED selection

To ensure minimal colour deviation, ERCO only uses LEDs with a SDCM (Standard Deviation of Colour Matching) value of <math><2</math>.

Long life

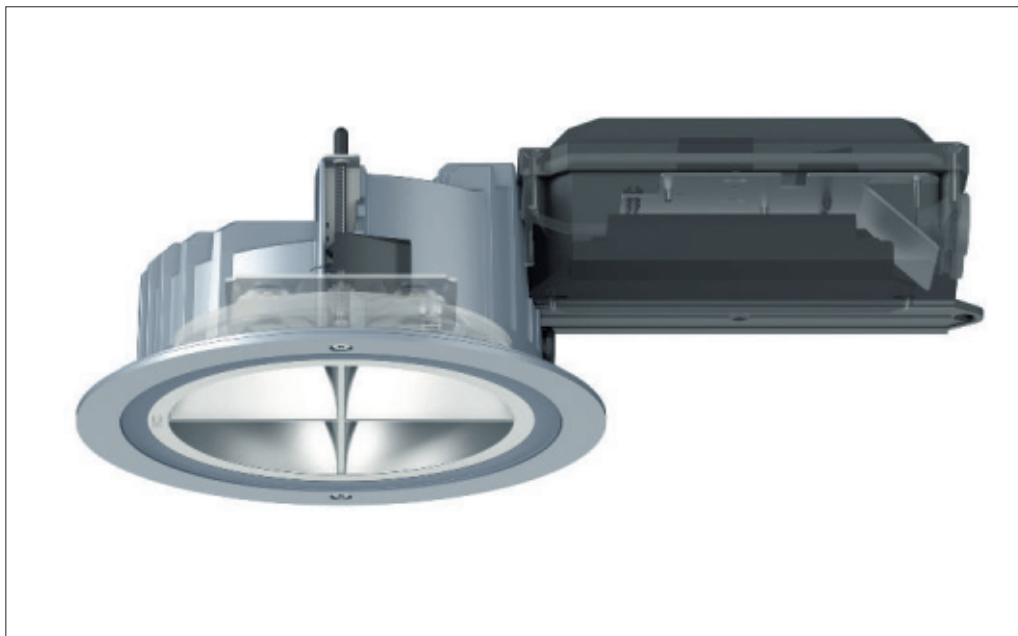
Excellent thermal management as a focal point at ERCO ensures that the LEDs in all luminaires achieve a rated life of 50,000 hours (L80/B10). Effectively, this means that the luminous flux of no more than 10% of all LEDs

in this period reduces to 80% or less of the initial value. In other words, at least 90% of all LEDs will still achieve more than 80% of the original luminous flux after 50,000 hours.

Ceiling luminaires Lens systems

Efficient lens systems

In developing the new LED lens systems for general lighting and wallwashing, ERCO focused specifically on factors such as compact and functional style, shallow depth, simple system design, efficiency and visual comfort. To provide optimum glare control in downlights for conventional lamps, the lamp is recessed from the mounting surface in an almost concealed position – with a corresponding height of the luminaire. The much smaller dimensions of LED systems are helpful in their own right, and combined with the new lens systems and glare control, this makes for exceptionally compact, yet highly efficient luminaires with good visual comfort.



Efficient Spherolit technology with lenses

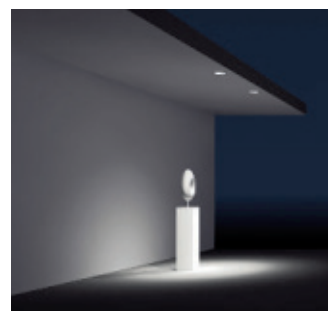
The light is efficiently guided by three elements in an ERCO LED directional luminaire: the primary lens which is directly mounted on the LED chip and produces a semi-spherical

beam, the secondary lens in the form of a collimating lens to create a parallel beam, and the tertiary lens in the form of a Spherolit lens.

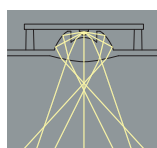
Compact lens system

A light output ratio (LOR) of up to 87% illustrates the efficiency of the new LED lens system compared to conventional recessed luminaire designs. The collimator and Spherolit lens of Compact LED were com-

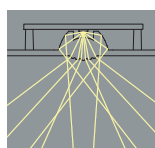
bined into a single element for even greater efficiency.



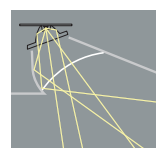
Lens system wide flood
The collimator functions by focusing light rays into parallel paths. Its convex lower lens then creates a rotationally symmetrical light distribution.



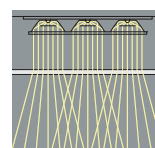
Lens system oval flood
The parallel ribs on the underside of the lens produce an axially symmetrical or oval light distribution.



Lens system wallwash
The asymmetrical light distribution of the lens achieves very uniform vertical illuminance.



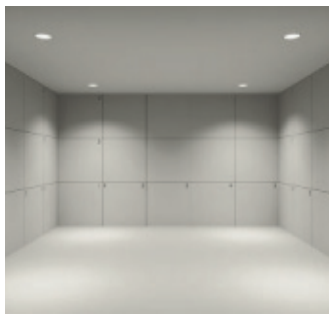
Spherolit technology directional luminaires
The system comprising primary lens, collimator and Spherolit lens produces a narrow beam, rotationally symmetrical light distribution for accent lighting.



Ceiling luminaires Visual comfort

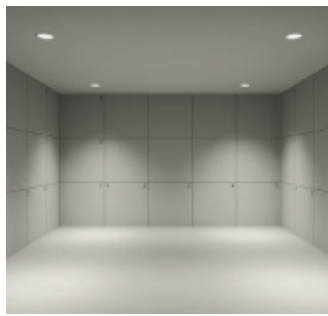
Cut-off angle

ERCO darklight reflectors combine the requirements of maximum visual comfort and optimum light output ratio. These photometrics are optimised using modern simulation programs. The resulting balanced ratio of horizontal and vertical illuminances guarantees highly efficient and comfortable lighting. As long as the light source lies within the reflector's cut-off area, there will be no high luminances on the darklight reflector.



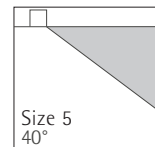
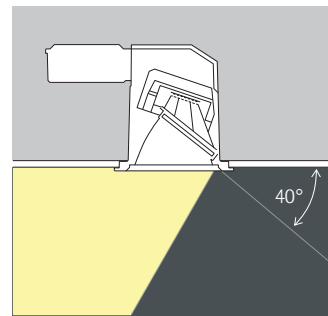
Cut-off angle 30°

This cut-off angle achieves a balanced ratio of horizontal and vertical illuminances even with low ceiling heights.



Cut-off angle 40°

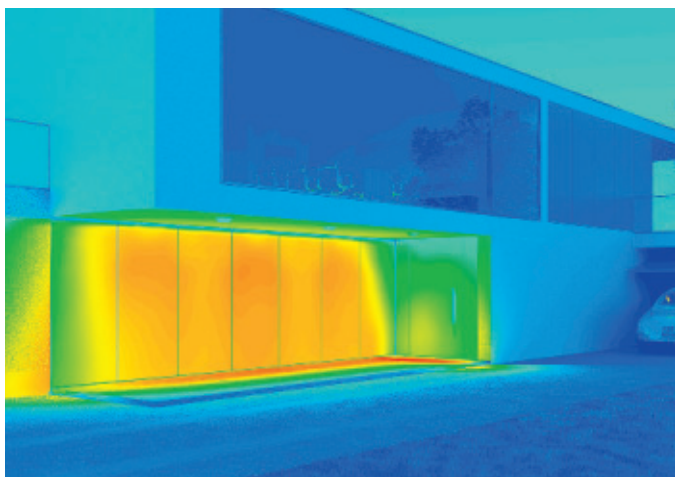
A cut-off angle of 40° ensures excellent visual comfort especially in rooms with high ceilings.



The small images in the product ranges indicate the cut-off angle and specify the size of the reflector.

High lumen packages for very high illuminances

ERCO offers luminaires with high lumen packages to produce very high illuminances.



Excellent uniformity

To meet the stringent standards of vertical illuminance, ERCO has developed luminaires specifically to produce exceptionally uniform levels of illuminance.

Ceiling luminaires Light distributions

The range of ceiling luminaires offers a comprehensive spectrum of light distributions, providing solutions for all the most important outdoor lighting tasks. These photometrically optimised lighting tools are suitable both for vertical and for horizontal visual tasks. The light distributions required for these tasks vary between narrow and wide symmetrical and asymmetrical patterns. This results either in a high degree of uniform-

ity or allows additional accentuation to be included in the general lighting with downlights or wallwashers. The result is that these luminaires provide a versatile palette of light.

Different light distributions
ERCO offers luminaires with a variety of light distributions to suit different lighting tasks.

Downlights with lens system wide flood

The wide beam, rotationally symmetrical light distribution is ideal for efficient general lighting under porches or in arcades. The cross baffle additionally ensures superb visual comfort. Beam angle <math>< 80^\circ</math>.



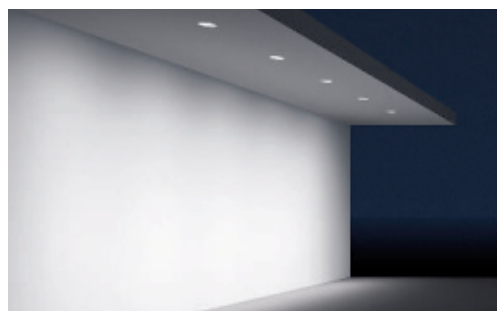
Downlights with lens system oval flood

The axially symmetrical light distribution oval flood provides efficient illumination for traffic routes or linear objects. It produces an oval beam of about 45° by 90° .



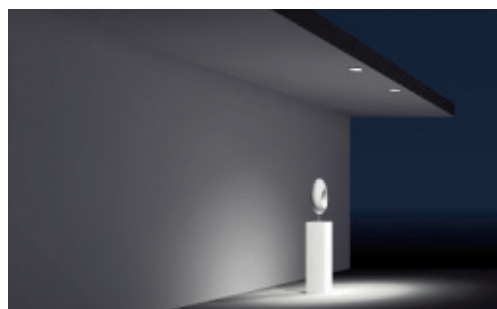
Lens wallwashers

The axially symmetrical light distribution is designed for efficient and uniform illumination of walls and façades.

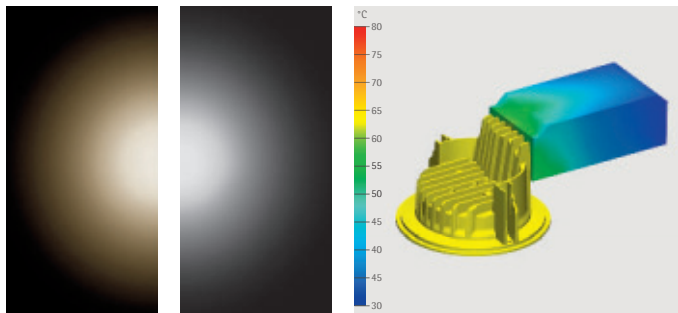


Directional luminaires

The narrow beam angle of the directional luminaires effectively highlights architectural details or accentuates objects. The light head can be tilted by up to 20° .



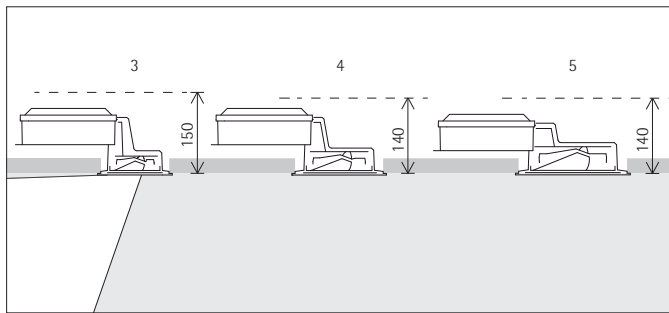
Ceiling luminaires Light spectrum, system design, mounting and accessories



Different light colours
Warm white LEDs optimally emphasise warm materials such as wood. Neutral white LEDs accentuate cold materials including concrete and metal with a higher luminous efficacy.



Excellent thermal management
Thermal management creates optimal conditions for continuous operation. This enables ERCO to ensure that the light sources achieve their full service life.



Shallow recess depth
ERCO has developed luminaires with a shallow recess depth to provide excellent light quality in areas with limited installation space.



Different sizes
The luminaires in the ERCO product range cover a wide variety of lumen categories and therefore offer an appropriate solution for a large number of lighting tasks.



Protection mode IP65
Luminaires rated to protection mode IP65 are dust-tight and protected against strong jets of water from any direction.



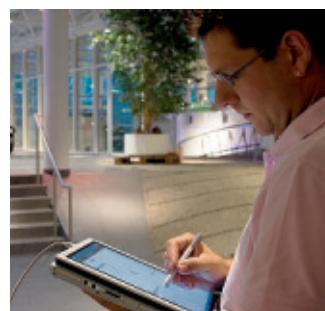
Accessories for mounting versions
The ERCO system design allows for different mounting versions to meet a variety of architectural requirements.



Switchable
Switchable luminaires can be switched on or off as required using manual switches or actuators.



Phase dimmable
Dimmable luminaires can be operated using external trailing-edge dimmers.

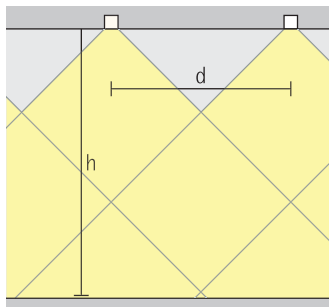


DALI dimmable
DALI dimmable luminaires are suitable for DALI based lighting control systems. Dimming enables the flexible setting and programming of light scenes.

Ceiling luminaires Luminaire arrangement

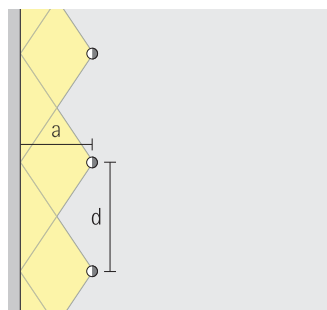
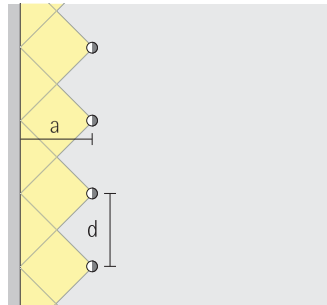
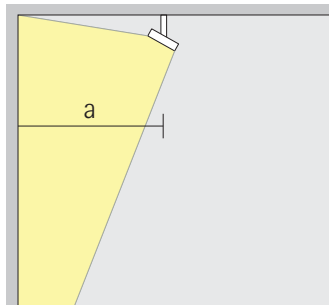
General lighting

The spacing between the luminaires is recommended to be up to their distance to the ground. The overlapping beams produce a uniform brightness distribution on the vertical surface. The wall offset should be half the luminaire spacing.



Wallwashing

To achieve a uniform brightness distribution on the vertical plane, the luminaires need to be arranged correctly. The distance of the wallwashers from the wall should be around one third of the room height to ensure uniform light distribution in vertical direction. The appropriate wall offset and luminaire spacing is indicated in the wallwasher tables in the catalogue or the product data sheets.



Large luminaire spacing

For some wallwashers, the luminaire spacing may be up to 1.5 times the offset from the wall. Appropriate details are provided in the wallwasher tables in the catalogue or the product data sheets. Comput-

erised beam calculations are recommended to check potential intersections with side walls.

Mean illuminances E_n (wall)

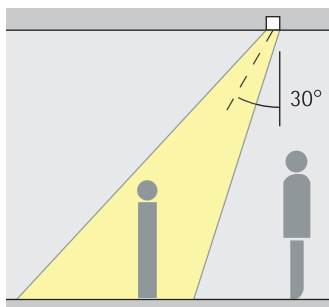
Wall height (m)	4.0			
Offset from wall (m)	1.20	1.20	1.50	1.50
Luminaire spacing (m)	1.20	1.50	1.50	1.80
Illuminance E_n (lx)	223	182	159	134

The planning recommendations for wallwashers are designed to help you decide on the optimum luminaire arrangement. The table indicates the optimum wall height along with the appropriate offset from the wall and luminaire spacing as

well as the resulting illuminance. For individualised planning of the lighting concept, it is recommended to include the maintenance factor in the lighting design and use the photometric data provided.

Accentuation

Experience has shown the ideal angle of tilt for accent lighting to be 30°. This ensures good modelling without excessive grazing light and prevents shadows cast by the observer.





Universal and elegant

The partner for all recessed applications

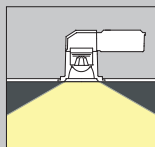
The Lightcast recessed luminaires are your perfect partner for general and accent lighting. With high protection ratings, this luminaire is also suitable for transitional areas between indoors and outdoors, such as entrance zones and arcades.

The Darklight technology combines maximum visual comfort with an optimum light output ratio. In indoor areas, the Lightcast is ideal for applications

where protection against moisture or dust is required. Lightcast therefore is your tool if you want to use quality downlights, directional luminaires or wallwashers.



General lighting
Ambient lighting produced by wide beam light distribution.



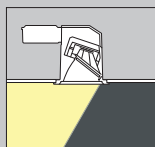
Downlights
Wide beam, rotationally symmetrical light distribution for general lighting.

LED
12W - 24W
1140lm - 3000lm

Metal halide lamps
20W - 70W
1650lm - 7750lm



Wallwashing
Vertical illuminance for brightening the surroundings and segmenting the exterior landscape.



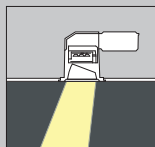
Lens wallwashers
Asymmetrical light distribution for highly uniform wallwashing.

LED
24W
2280lm - 3000lm

Metal halide lamps
35W - 70W
4000lm - 7750lm



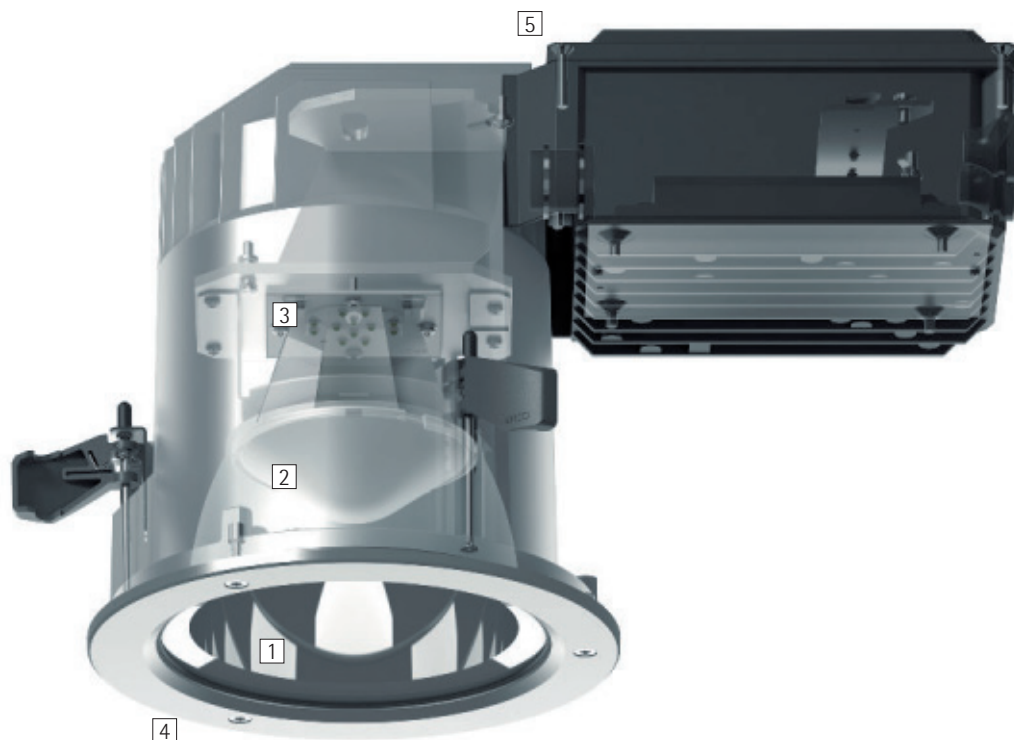
Accentuation
Emphasis of objects or architectural elements.



Directional luminaires
Very narrow to very wide beam, rotationally symmetrical light distribution for accent lighting.

LED
18W
1710lm - 2250lm
Light distribution: Spot

Metal halide lamps
35W - 70W
4000lm - 7750lm
Light distribution: Spot



Structure and characteristics

The features described here are typical of products in this range. Special versions may offer additional or varying features. A comprehensive description of the features of individual products can be found on our ERCO Light Scout website. The direct links for quick access always take the same form:

www.erco.com/<article number>

Detailed information on the features is provided from page 628.

1 ERCO Darklight reflector

- Cut-off angle 30° or 40°
- Aluminium, silver, bright anodised

2 Diffuser or lens

- Diffuser: glass, matt
- Wallwasher lens or softec lens

3 ERCO LED module

- High-power LEDs on metal-core PCB
- Light colours: warm white or neutral white
- Reflector for mixing light: aluminium, silver anodised, mirror-finish
- Directional luminaire 0°-20° tilt, rotatable through 360°

4 Screw-fastened cover ring

- Corrosion-resistant cast aluminium, No-Rinse surface treatment
- Silver, double powder-coated
- Safety glass

5 Housing

- Cast aluminium, silver powder-coated
- Mounting with 2- or 3-point support and screw fixing, for ceiling thicknesses of 1-30mm
- Side-mounted control gear: plastic or cast aluminium, black
- Control gear:**
- Switchable or DALI dimmable

Protection mode IP65

Dust-tight and water jet-proof

Special characteristics

Different sizes



ERCO high-power LEDs



Excellent thermal management



Cut-off 30°/40°



Protection mode IP65



Different light colours

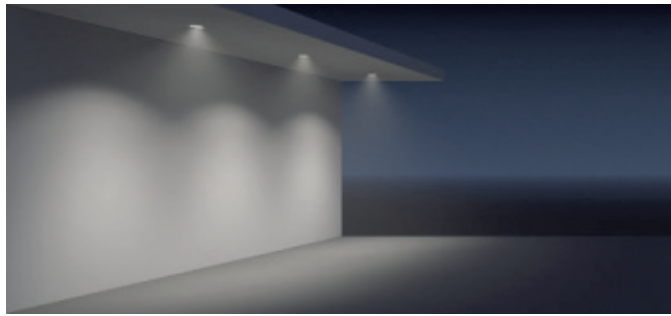
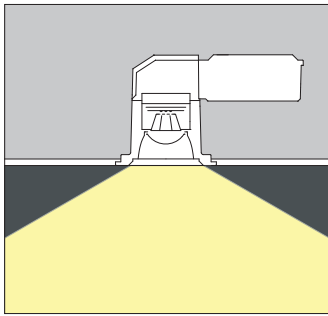


Switchable



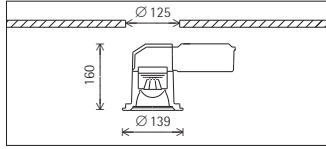
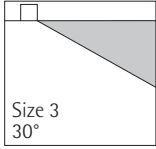
DALI dimmable

Lightcast Downlight with LED



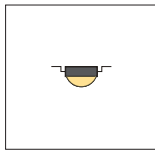
⏻ – switchable
Electronic control gear.

DALI – dimmable
DALI control gear.



Weight 1.35kg

Wattage:
12W
1140lm - 1500lm

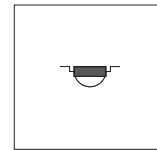


LED warm white
3000K
Version 4

h(m)	E(lx)	D(m)
1	545	1.32
2	136	2.65
3	61	3.97
4	34	5.30
5	22	6.62

750 cd

12W 1140lm
Silver
81034.000 ⏻
81035.000 DALI

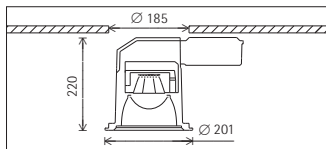
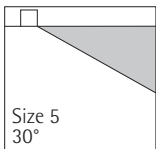


LED neutral white
4000K
Version 4

h(m)	E(lx)	D(m)
1	717	1.32
2	179	2.65
3	80	3.97
4	45	5.30
5	29	6.62

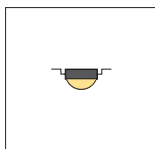
1000 cd

12W 1500lm
Silver
81032.000 ⏻
81033.000 DALI



Weight 2.60kg

Wattage:
24W
2280lm - 3000lm

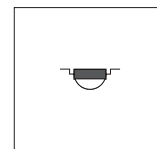


LED warm white
3000K
Version 4

h(m)	E(lx)	D(m)
1	1488	1.09
2	372	2.17
3	165	3.26
4	93	4.34
5	60	5.43

1500 cd

24W 2280lm
Silver
81038.000 ⏻
81039.000 DALI



LED neutral white
4000K
Version 4

h(m)	E(lx)	D(m)
1	1957	1.09
2	489	2.17
3	217	3.26
4	122	4.34
5	78	5.43

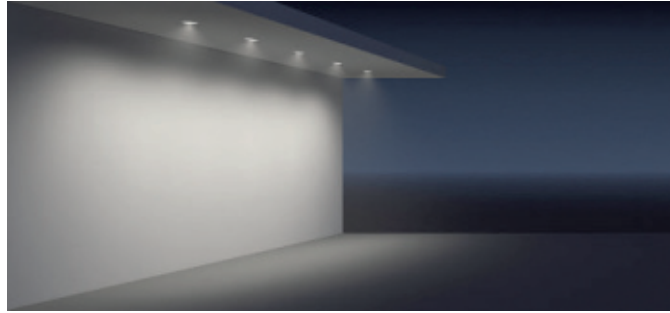
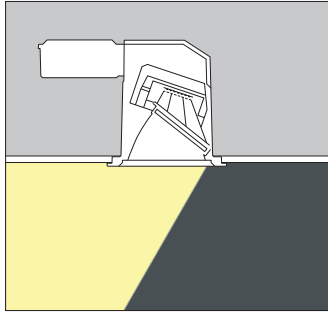
2000 cd

24W 3000lm
Silver
81036.000 ⏻
81037.000 DALI

Airport, Ciudad Real. Architect: Bernalte Et León Asociados, Ciudad Real.

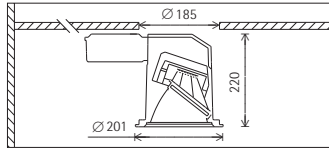
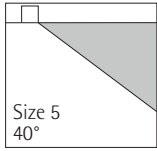


Lightcast Lens wallwasher with LED



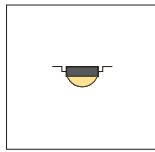
☰ – switchable
Electronic control gear.

DALI – dimmable
DALI control gear.



Weight 2.60kg

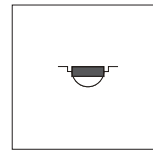
Wattage:
24W
2280lm - 3000lm



LED warm white
3000K
Version 4

Mean illuminance E_n (wall)				
Wall height (m)	3.0			
Offset from wall (m)	0.90	0.90	1.20	1.20
Luminaire spacing (m)	0.90	1.20	1.20	1.50
Illuminance E_n (lx)	118	90	71	57

24W 2280lm
Silver
81052.000 ☰
81053.000 DALI

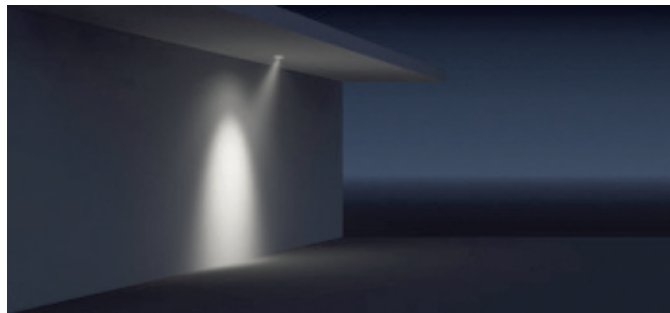
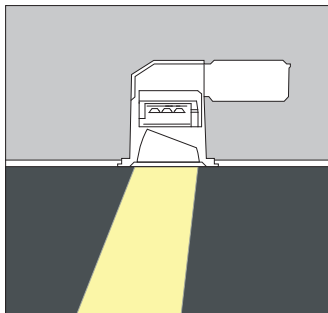


LED neutral white
4000K
Version 4

Mean illuminance E_n (wall)				
Wall height (m)	3.0			
Offset from wall (m)	0.90	0.90	1.20	1.20
Luminaire spacing (m)	0.90	1.20	1.20	1.50
Illuminance E_n (lx)	155	118	94	75

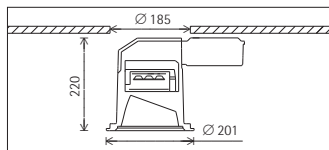
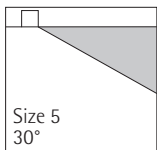
24W 3000lm
Silver
81048.000 ☰
81049.000 DALI

Lightcast Directional luminaire with LED



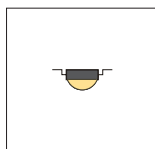
☰ – switchable
Electronic control gear.

DALI – dimmable
DALI control gear.



Weight 2.60kg

Wattage:
18W
1710lm - 2250lm

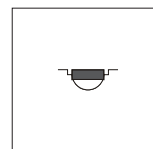


LED warm white
3000K
Version 4

	h(m)	E(lx)	D(m)
			16°
	1	11783	0.28
	2	2946	0.56
	3	1309	0.84
	4	736	1.12
	5	471	1.41

12500 cd

Softec lens, spot
18W 1710lm
Silver
81046.000 ☰
81047.000 DALI

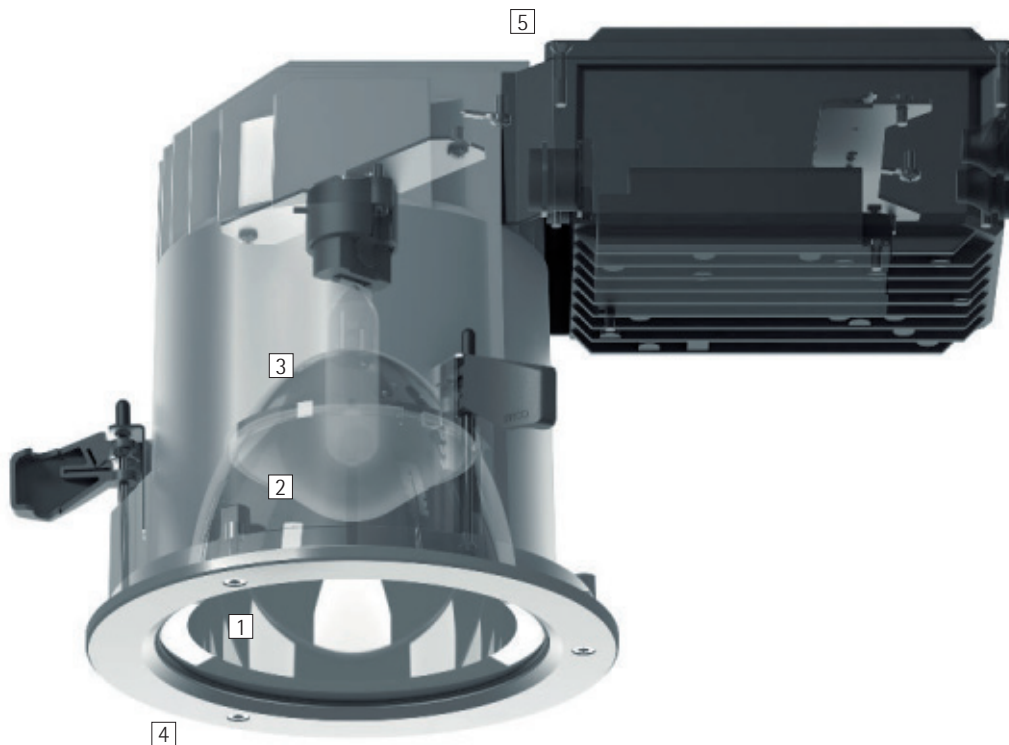


LED neutral white
4000K
Version 4

	h(m)	E(lx)	D(m)
			16°
	1	15503	0.28
	2	3876	0.56
	3	1723	0.84
	4	969	1.12
	5	620	1.41

20000 cd

Softec lens, spot
18W 2250lm
Silver
81044.000 ☰
81045.000 DALI



Structure and characteristics

The features described here are typical of products in this range. Special versions may offer additional or varying features. A comprehensive description of the features of individual products can be found on our ERCO Light Scout website. The direct links for quick access always take the same form:

www.erco.com/<article number>

Detailed information on the features is provided from page 628.

1 ERCO Darklight reflector

- Cut-off angle 30° or 40°
- Aluminium, silver, bright anodised

2 Diffuser or lens

- Diffuser: glass, matt or plastic, translucent
- Wallwasher lens or sculpture lens

3 ERCO reflector

- Aluminium, silver, bright anodised
- Directional luminaire 0°-15° tilt

4 Screw-fastened cover ring

- Corrosion-resistant cast aluminium, No-Rinse surface treatment
- Silver, double powder-coated
- Safety glass

5 Housing

- Cast aluminium, silver powder-coated
- Mounting with 2- or 3-point support and screw fixing, for ceiling thicknesses of 1-30mm
- Side-mounted control gear: plastic or cast aluminium, black
- Electronic control gear

Protection mode IP65

Dust-tight and water jet-proof

Special characteristics



High lumen packages for very high illuminances



Different sizes



Cut-off 30°/40°

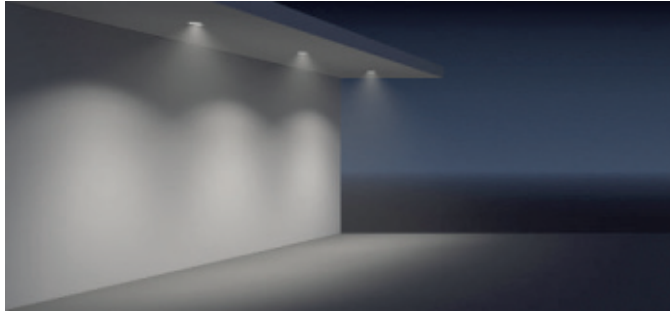
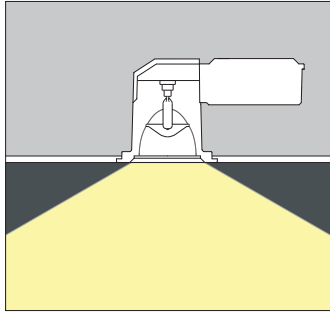


Protection mode IP65

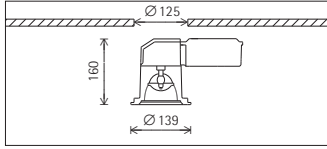
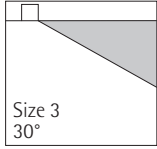


Switchable

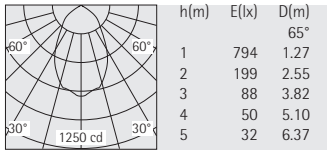
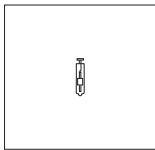
Lightcast Downlight for metal halide lamps



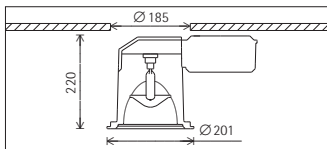
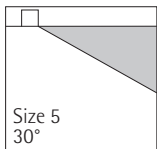
⏻ – switchable
Electronic control gear.



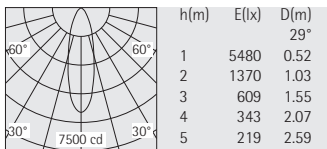
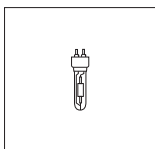
Wattage:
20W
1650lm



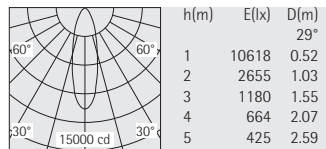
20W PGJ5 1650lm
Silver
81040.000 ⏻



Wattage:
35W - 70W
4000lm - 7750lm



35W G12 4000lm
Silver
81042.000 ⏻

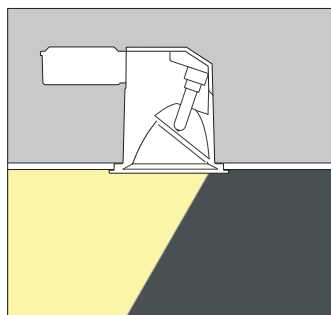


70W G12 7750lm
Silver
81050.000 ⏻

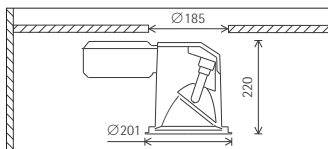
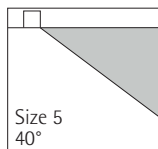


Lightcast recessed luminaires with LEDs are suitable for energy-efficient lighting concepts in the outdoor area, particularly when used as lens wall-washers.

Lightcast Lens wallwasher for metal halide lamps

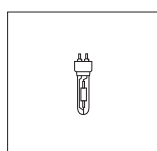


⏻ – switchable
Electronic control gear.



Weight 2.70kg

Wattage:
35W - 70W
4000lm - 7750lm



HIT-CE

Mean illuminance E_n (wall)

Wall height (m)	4.0
Offset from wall (m)	1.20 1.50 1.50
Luminaire spacing (m)	1.20 1.50 1.80
Illuminance E_n (lx)	159 106 89

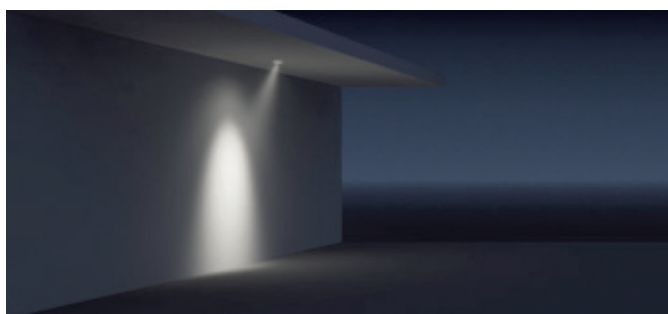
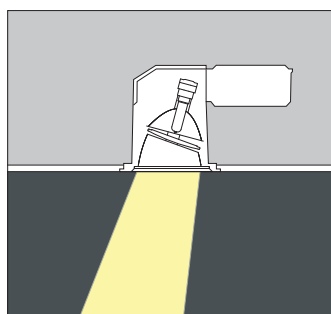
35W G12 4000lm
Silver
81055.000 ⏻

Mean illuminance E_n (wall)

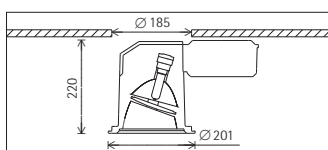
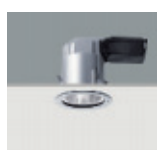
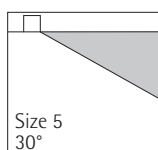
Wall height (m)	6.0
Offset from wall (m)	1.20 1.50 1.50
Luminaire spacing (m)	1.20 1.50 1.80
Illuminance E_n (lx)	274 199 168

70W G12 7750lm
Silver
81059.000 ⏻

Lightcast Directional luminaire for metal halide lamps

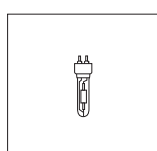


⏻ – switchable
Electronic control gear.



Weight 2.90kg

Wattage:
35W - 70W
4000lm - 7750lm



HIT-CE

	h(m)	E(lx)	D(m)	
			17°	42°
10000 cd	1	6971	0.30	0.77
	2	1743	0.60	1.54
	3	775	0.90	2.30
	4	436	1.20	3.07
	5	279	1.49	3.84

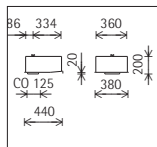
Spot reflector
35W G12 4000lm
Silver
81043.000 ⏻

	h(m)	E(lx)	D(m)	
			17°	42°
22000 cd	1	13506	0.30	0.77
	2	3376	0.60	1.54
	3	1501	0.90	2.30
	4	844	1.20	3.07
	5	540	1.49	3.84

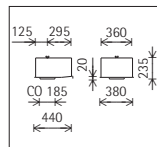
Spot reflector
70W G12 7750lm
Silver
81051.000 ⏻

Lightcast Accessories

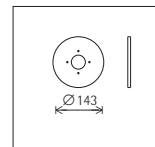
Suitable accessories for each article are indicated on the relevant product specification sheet. Product specification sheets are available in ERCO's Light Scout at: www.erco.com/<article number>



83581.000
Concrete housing
Metal, powder-coated.
Recommended 0-8mm aggregate for the concrete.
Weight 5.20kg



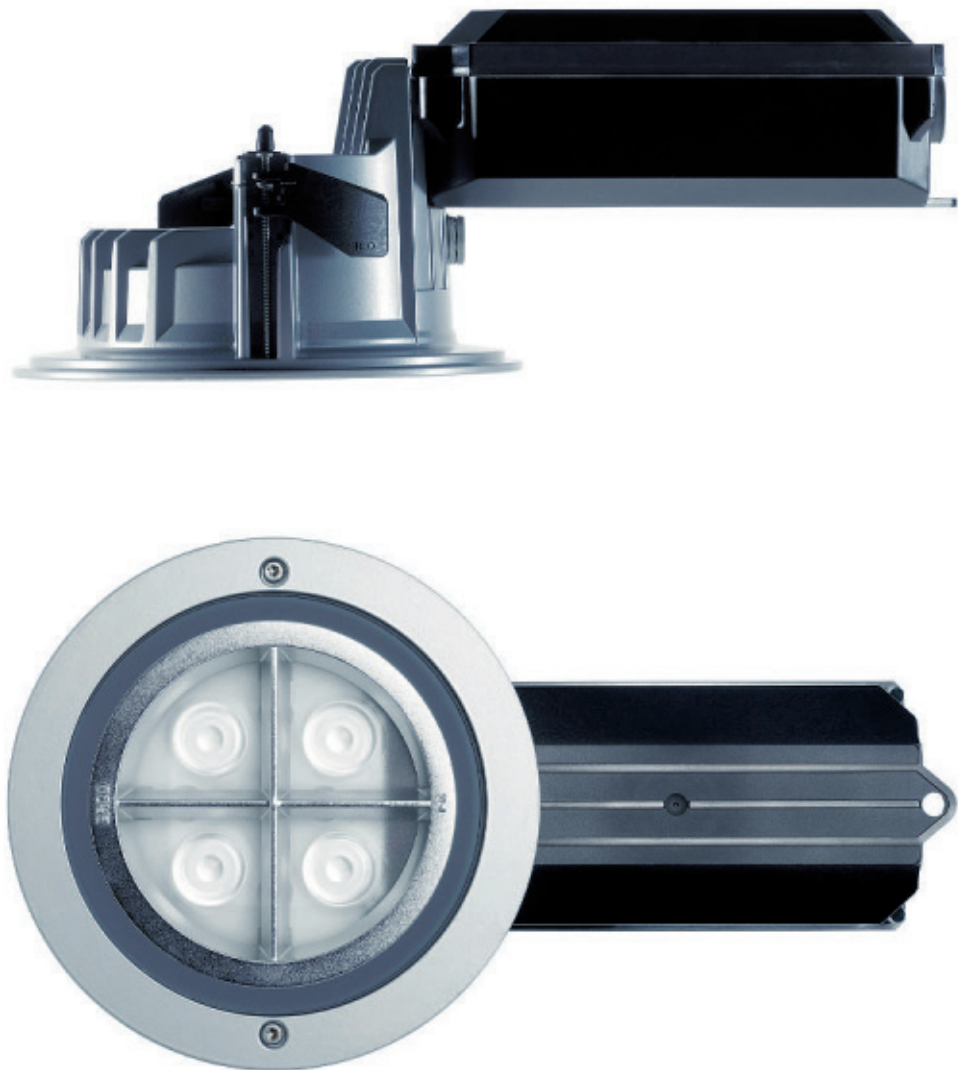
83594.000
Concrete housing
Metal, powder-coated.
Recommended 0-8mm aggregate for the concrete.
Weight 5.50kg



83811.000
Spacer plate
Plastic.
For flush-mounting of downlights in concrete housings in exposed concrete ceilings.
Weight 0.08kg



AstraZeneca Central Operations, Södertälje. Architect: Lomar Arkitekter AB, Stockholm.



Efficient and economical

Brilliant light for roofed areas. Compact LED – ideal for outdoor use.

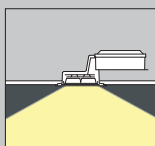
The need for high performance lighting applies equally to the exterior environment. The Compact LED downlight combines brilliant light with the familiar durability of ERCO's other exterior solutions. Wide flood and oval flood as different light distributions enable its use in passageways and arcades as well as on the terrace of a private residence. Compact LED also supports superb vertical

illumination with its wallwashing distribution.

Compact LED Recessed luminaires



General lighting
Ambient lighting produced by wide beam light distribution.

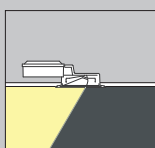


Downlights
Rotationally symmetrical or axially symmetrical, wide beam light distribution for general lighting.

LED
8W - 40W
760lm - 5000lm
Light distribution: Wide flood, Oval flood



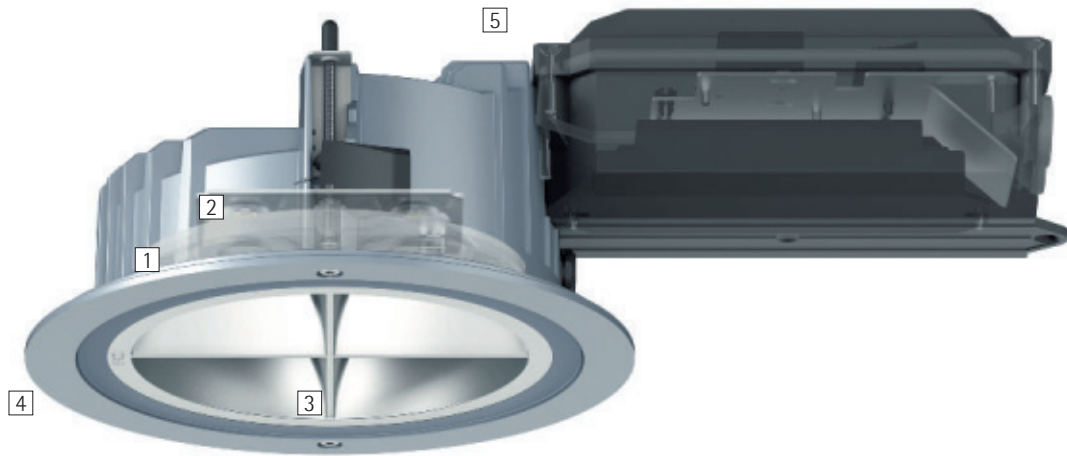
Wallwashing
Vertical illuminance for brightening the surroundings and segmenting the exterior landscape.



Lens wallwashers
Asymmetrical light distribution for highly uniform wallwashing.

LED
8W - 24W
760lm - 3000lm
Light distribution: Wallwash

Compact LED



Structure and characteristics

The features described here are typical of products in this range. Special versions may offer additional or varying features. A comprehensive description of the features of individual products can be found on our ERCO Light Scout website. The direct links for quick access always take the same form:

www.erco.com/<article number>

Detailed information on the features is provided from page 628.

1 ERCO lens system

- Made of optical polymer
- Light distributions: wide flood, oval flood or wallwash

2 ERCO LED module

- High-power LEDs on metal-core PCB
- Light colours: warm white or neutral white

3 Anti-glare ring with cross baffle

- Optical cut-off angle 30°
- Plastic, aluminium vaporised, silver, ribbed

Wallwasher reflector

- Optical cut-off 30° or 40°
- Plastic, aluminium vaporised, silver, ribbed, with diffusor on the underside

2 Cover ring

- Corrosion-resistant cast aluminium, No-Rinse surface treatment
- Silver, double powder-coated
- Non-reflective safety glass

5 Housing

- Corrosion-resistant cast aluminium, No-Rinse surface treatment
- Silver, double powder-coated
- Mounting with 2- or 3-point support and screw fixing, for ceiling thicknesses of 1-30mm
- Side-mounted control gear: plastic or cast aluminium, black
- Control gear:**
 - Switchable or phase dimmable
- Phase dimmable version:**
 - Dimming with external dimmers possible (trailing edge)

Protection mode IP65

Dust-tight and water jet-proof

Special characteristics

 Highly efficient photometrics

 Different sizes

 Large luminaire spacing for wallwashing


 ERCO high-power LEDs

 Efficient Spherolit technology

 Optical cut-off 30°/40°

 Different light colours

 Excellent thermal management

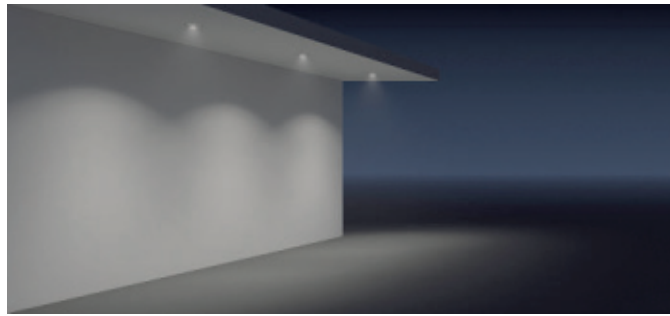
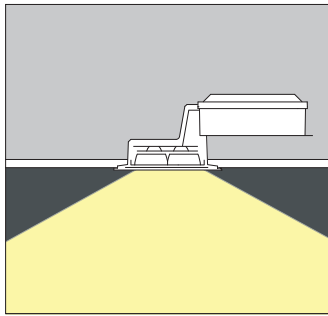
 Shallow recess depth

 Protection mode IP65

 Switchable

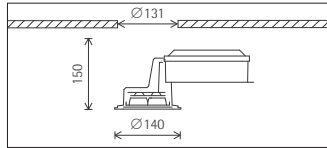
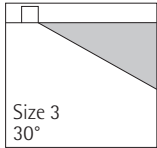
 Phase dimmable

Compact LED Downlight with LED



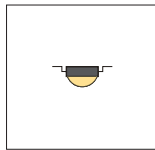
⊕ – switchable
Electronic control gear.

Dim – phase dimmable
Electronic control gear, dimmable. Dimming with external dimmers possible (trailing edge).

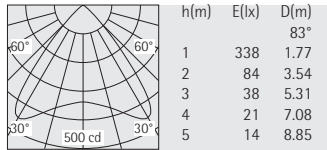


Weight 1.30kg

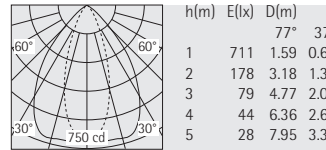
Wattage:
8W
760lm - 1000lm



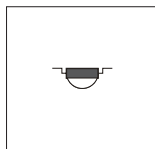
LED warm white
3000K
Version 2



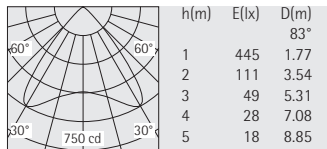
Lens system, wide flood
8W 760lm
Silver
84425.000 Dim



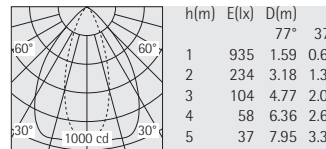
Lens system, oval flood
8W 760lm
Silver
84435.000 Dim



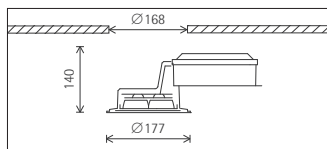
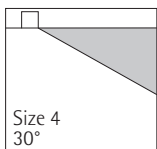
LED neutral white
4000K
Version 2



Lens system, wide flood
8W 1000lm
Silver
84426.000 Dim

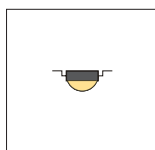


Lens system, oval flood
8W 1000lm
Silver
84436.000 Dim

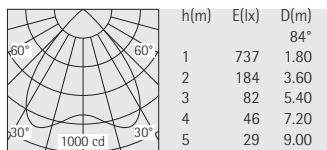


Weight 1.60kg

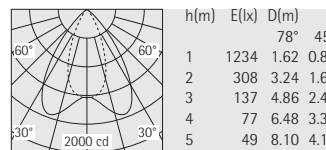
Wattage:
16W
1520lm - 2000lm



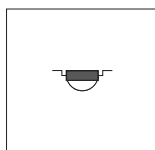
LED warm white
3000K
Version 2



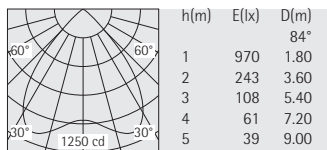
Lens system, wide flood
16W 1520lm
Silver
84427.000 Dim



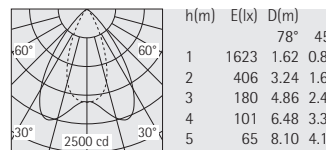
Lens system, oval flood
16W 1520lm
Silver
84437.000 Dim



LED neutral white
4000K
Version 2

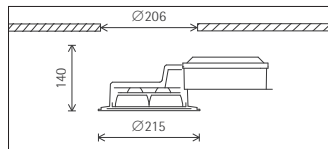
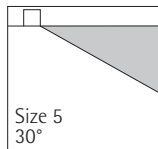


Lens system, wide flood
16W 2000lm
Silver
84428.000 Dim



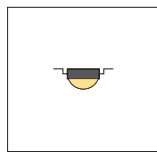
Lens system, oval flood
16W 2000lm
Silver
84438.000 Dim

Compact LED Downlight with LED

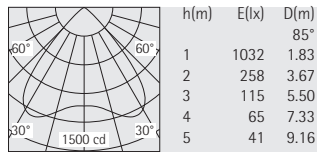


Weight 1.90kg

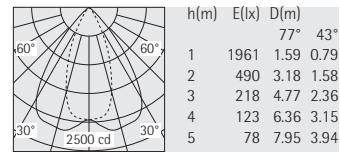
Wattage:
24W
2280lm - 3000lm



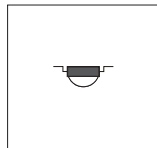
LED warm white
3000K
Version 2



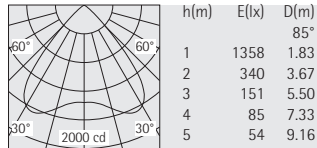
Lens system, wide flood
24W 2280lm
Silver
84429.000 Dim



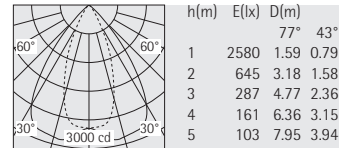
Lens system, oval flood
24W 2280lm
Silver
84439.000 Dim



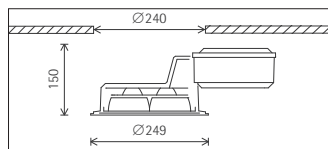
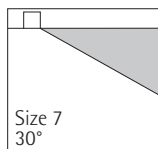
LED neutral white
4000K
Version 2



Lens system, wide flood
24W 3000lm
Silver
84430.000 Dim

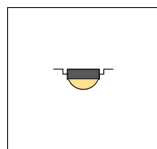


Lens system, oval flood
24W 3000lm
Silver
84440.000 Dim

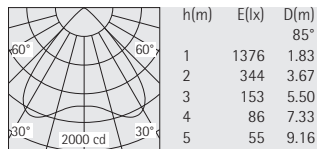


Weight 3.20kg

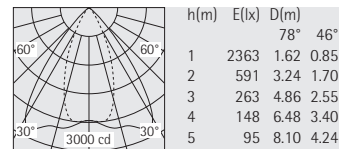
Wattage:
32W
3040lm - 4000lm



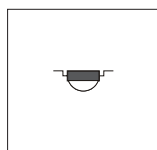
LED warm white
3000K
Version 2



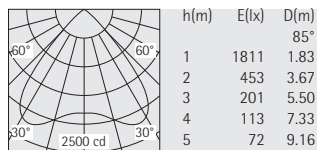
Lens system, wide flood
32W 3040lm
Silver
84431.000



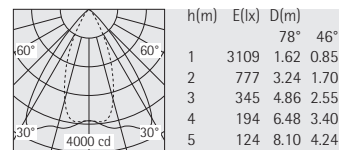
Lens system, oval flood
32W 3040lm
Silver
84441.000



LED neutral white
4000K
Version 2

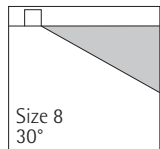


Lens system, wide flood
32W 4000lm
Silver
84432.000

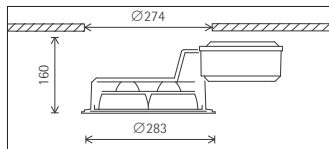


Lens system, oval flood
32W 4000lm
Silver
84442.000

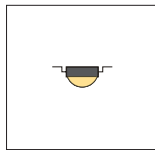
Compact LED Downlight with LED



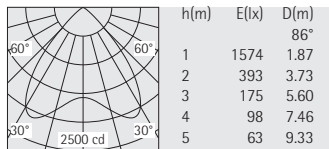
Wattage:
40W
3800lm - 5000lm



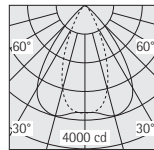
Weight 4.00kg



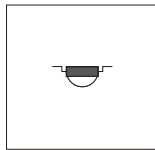
LED warm white
3000K
Version 2



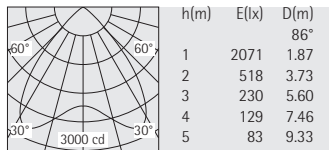
Lens system, wide flood
40W 3800lm
Silver
84433.000 ⏻



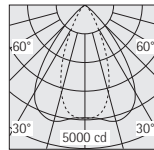
Lens system, oval flood
40W 3800lm
Silver
84443.000 ⏻



LED neutral white
4000K
Version 2

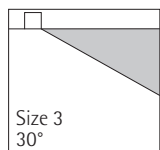
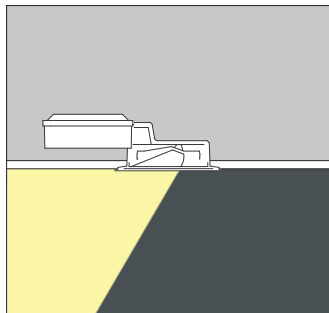


Lens system, wide flood
40W 5000lm
Silver
84434.000 ⏻

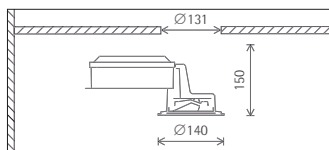


Lens system, oval flood
40W 5000lm
Silver
84444.000 ⏻

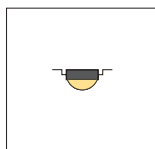
Compact LED Lens wallwasher with LED



Wattage:
8W
760lm - 1000lm



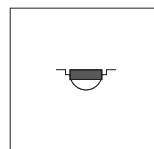
Weight 1.30kg



LED warm white
3000K
Version 2

Mean illuminance E_n (wall)
Wall height (m) 3.0
Offset from wall (m) 0.90 1.20
Luminaire spacing (m) 0.90 1.20
Illuminance E_n (lx) **123 77**

Lens system, wallwash
8W 760lm
Silver
84465.000 Dim



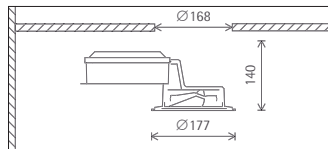
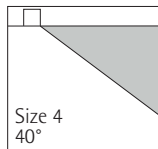
LED neutral white
4000K
Version 2

Mean illuminance E_n (wall)
Wall height (m) 3.0
Offset from wall (m) 0.90 1.20
Luminaire spacing (m) 0.90 1.20
Illuminance E_n (lx) **162 101**

Lens system, wallwash
8W 1000lm
Silver
84466.000 Dim

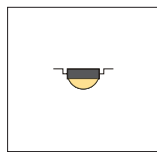
Dim – phase dimmable
Electronic control gear, dimmable. Dimming with external dimmers possible (trailing edge).

Compact LED Lens wallwasher with LED



Weight 1.60kg

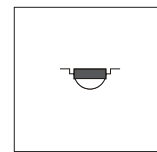
Wattage:
16W
1520lm - 2000lm



LED warm white
3000K
Version 2

Mean illuminance E_n (wall)				
Wall height (m)	4.0			
Offset from wall (m)	1.20	1.20	1.50	1.50
Luminaire spacing (m)	1.20	1.50	1.50	1.80
Illuminance E_n (lx)	169	138	121	102

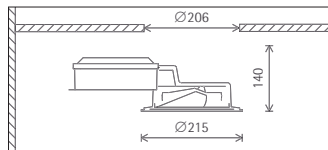
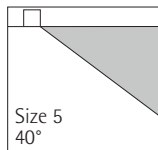
Lens system, wallwash
16W 1520lm
Silver
84467.000 Dim



LED neutral white
4000K
Version 2

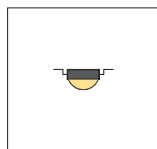
Mean illuminance E_n (wall)				
Wall height (m)	4.0			
Offset from wall (m)	1.20	1.20	1.50	1.50
Luminaire spacing (m)	1.20	1.50	1.50	1.80
Illuminance E_n (lx)	223	182	159	134

Lens system, wallwash
16W 2000lm
Silver
84468.000 Dim



Weight 1.90kg

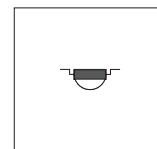
Wattage:
24W
2280lm - 3000lm



LED warm white
3000K
Version 2

Mean illuminance E_n (wall)				
Wall height (m)	6.0			
Offset from wall (m)	1.80	1.80	1.80	
Luminaire spacing (m)	1.80	2.10	2.40	
Illuminance E_n (lx)	108	94	83	

Lens system, wallwash
24W 2280lm
Silver
84469.000 Dim



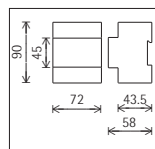
LED neutral white
4000K
Version 2

Mean illuminance E_n (wall)				
Wall height (m)	6.0			
Offset from wall (m)	1.80	1.80	1.80	
Luminaire spacing (m)	1.80	2.10	2.40	
Illuminance E_n (lx)	142	123	109	

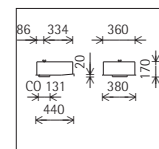
Lens system, wallwash
24W 3000lm
Silver
84470.000 Dim

Compact LED Accessories

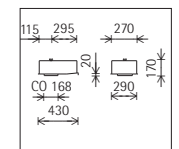
Suitable accessories for each article are indicated on the relevant product specification sheet. Product specification sheets are available in ERCO's Light Scout at: www.erco.com/<article number>



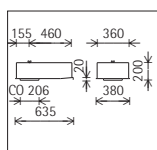
83816.000
DALI
DALI switch actuator, double, 16A
Two voltage-free contacts for switching ohmic, inductive and capacitive loads max 16A.
DALI interface with two independent addresses.
Mounting on DIN rail.
Weight 0.21kg



83611.000
Concrete housing
Metal, black powder-coated.
Recommended 0-8mm aggregate for the concrete.
Weight 3.10kg



83613.000
Concrete housing
Metal, black powder-coated.
Recommended 0-8mm aggregate for the concrete.
Weight 3.00kg



83618.000
Concrete housing
Metal, black powder-coated.
Recommended 0-8mm aggregate for the concrete.
Weight 4.60kg

For detailed tender texts and download data click here:
www.erco.com/<article number>



Universal and elegant

The lighting tool for high standards

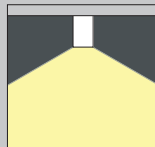
Cylinder surface-mounted luminaires made of powder-coated, corrosion-resistant cast aluminium are the ideal tool for general and accent lighting and for wallwashing. The Darklight technology combines maximum visual comfort with the optimum light output ratio. Cylinder surface-mounted downlights effectively illuminate entrance zones, arcades or atriums. In indoor areas where protection against

moisture or dust is required, they ensure high-quality lighting even in harsh conditions.

Cylinder Surface-mounted luminaires



General lighting
Ambient lighting produced by wide beam light distribution.



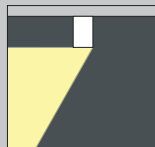
Surface-mounted downlights
Wide beam, rotationally symmetrical light distribution for general lighting.

LED
6W - 24W
600lm - 3000lm

Metal halide lamps
20W - 70W
1650lm - 7500lm



Wallwashing
Vertical illuminance for brightening the surroundings and segmenting the exterior landscape.

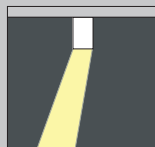


Surface-mounted lens wallwashers
Asymmetrical light distribution for highly uniform façade illumination.

LED
24W
2280lm - 3000lm



Accentuation
Emphasis of objects or architectural elements.

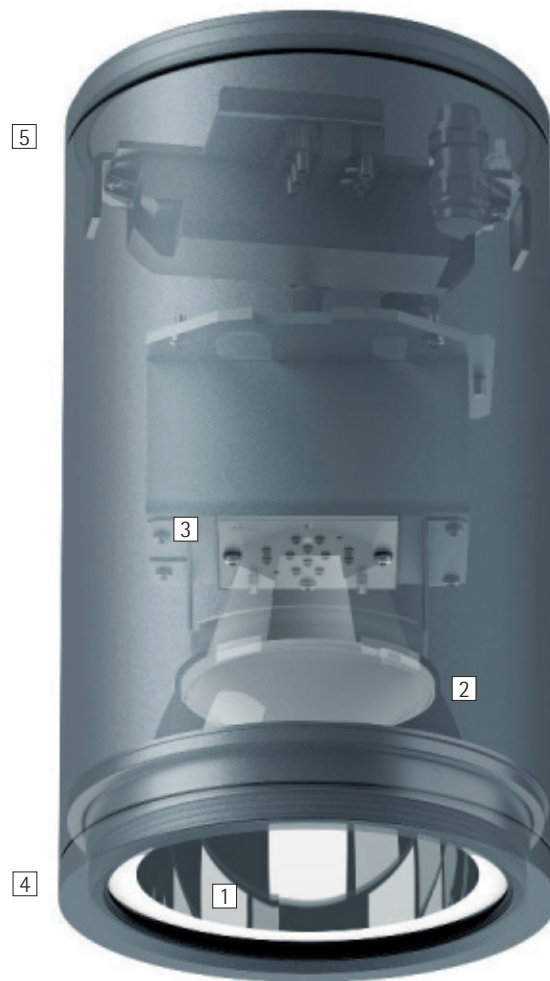


Surface-mounted directional luminaires
Narrow to wide beam, rotationally symmetrical light distribution for accent lighting.

LED
18W
1710lm - 2250lm
Light distribution: Spot

Metal halide lamps
35W - 70W
3700lm - 7500lm
Light distribution: Spot

Cylinder with LED



Structure and characteristics

The features described here are typical of products in this range. Special versions may offer additional or varying features. A comprehensive description of the features of individual products can be found on our ERCO Light Scout website. The direct links for quick access always take the same form:

www.erco.com/<article number>

Detailed information on the features is provided **from page 628**.

1 ERCO Darklight reflector

- Cut-off angle 30° or 40°
- Aluminium, silver, bright anodised
- Wallwasher rotatable through 360°

2 Diffuser or lens

- Diffuser: glass, matt
- Wallwasher lens or Softec lens

3 ERCO LED module

- High-power LEDs on metal-core PCB
- Light colours: warm white or neutral white
- Reflector for mixing light: aluminium, silver anodised, mirror-finish
- Directional luminaire 0°-20° tilt, rotatable through 360°

4 Cover ring

- Graphit m
- Corrosion-resistant cast aluminium, No-Rinse surface treatment
- Double powder-coated
- Tamper-proof screw
- Safety glass

5 Cylinder and ceiling fixture

- Graphit m
- Corrosion-resistant cast aluminium, No-Rinse surface treatment
- Double powder-coated
- Control gear:**
- Switchable

Protection mode IP65

Dust-tight and water jet-proof

Special characteristics

Different sizes



ERCO high-power LEDs



Excellent thermal management



Cut-off 30°/40°



Protection mode IP65



Different light colours

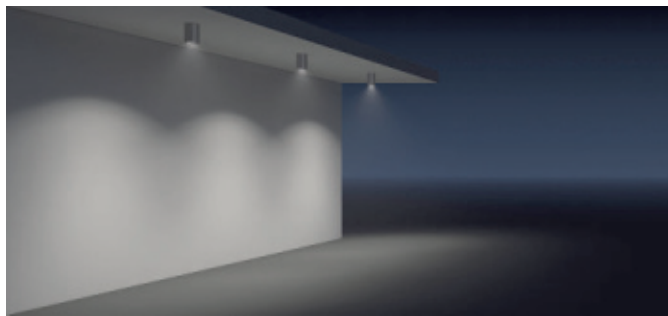
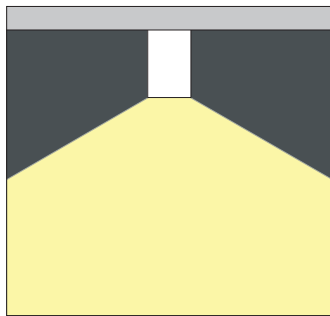


Accessories for mounting versions

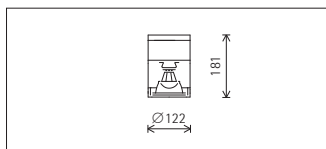
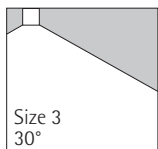


Switchable

Cylinder Surface-mounted downlight with LED

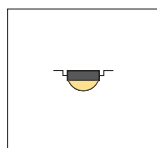


☰ – switchable
Electronic control gear.

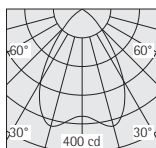


Weight 1.70kg

Wattage:
6W
600lm - 780lm

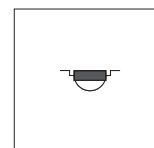


LED warm white
3000K
Version 4

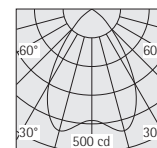


h(m)	E(lx)	D(m)
1	299	1.48
2	75	2.96
3	33	4.44
4	19	5.92
5	12	7.40

6W 600lm
Graphit m
85043.000 ☰

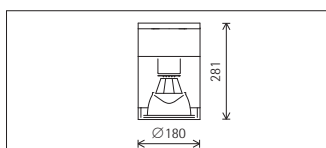
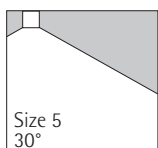


LED neutral white
4000K
Version 4



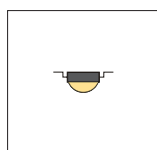
h(m)	E(lx)	D(m)
1	389	1.48
2	97	2.96
3	43	4.44
4	24	5.92
5	16	7.40

6W 780lm
Graphit m
85041.000 ☰

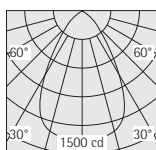


Weight 4.10kg

Wattage:
24W
2280lm - 3000lm

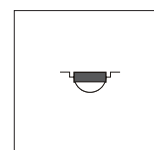


LED warm white
3000K
Version 4

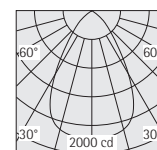


h(m)	E(lx)	D(m)
1	1355	1.25
2	339	2.50
3	151	3.75
4	85	5.00
5	54	6.25

24W 2280lm
Graphit m
85049.000 ☰



LED neutral white
4000K
Version 4



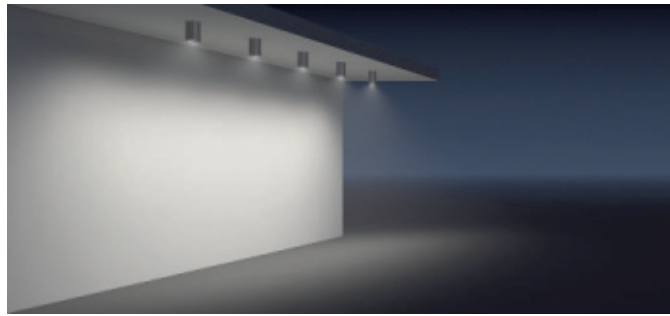
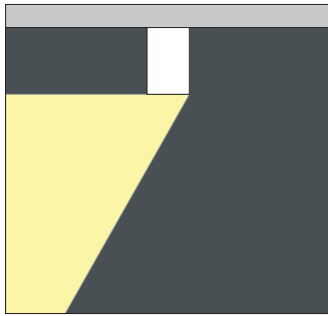
h(m)	E(lx)	D(m)
1	1783	1.25
2	446	2.50
3	198	3.75
4	111	5.00
5	71	6.25

24W 3000lm
Graphit m
85048.000 ☰

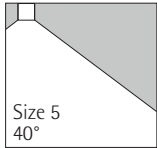
Baths, Bad Boll.
Architect: Michel
+ Wolf + Partner,
Stuttgart.



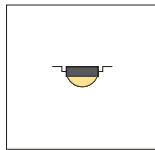
Cylinder Surface-mounted lens wallwasher with LED



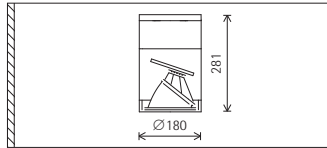
⏻ – switchable
Electronic control gear.



Wattage:
24W
2280lm - 3000lm



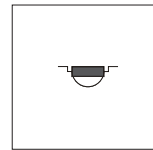
LED warm white
3000K
Version 4



Weight 4.10kg

Mean illuminance E_n (wall)				
Wall height (m)	3.0			
Offset from wall (m)	0.90	0.90	1.20	1.20
Luminaire spacing (m)	0.90	1.20	1.20	1.50
Illuminance E_n (lx)	115	87	67	54

24W 2280lm
Graphit m
85057.000 ⏻

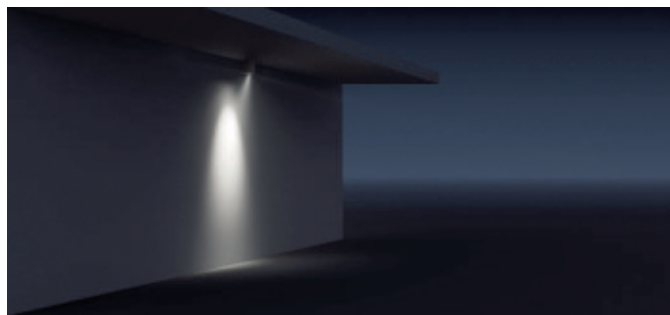
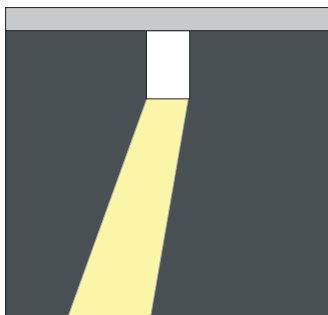


LED neutral white
4000K
Version 4

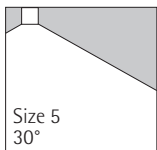
Mean illuminance E_n (wall)				
Wall height (m)	3.0			
Offset from wall (m)	0.90	0.90	1.20	1.20
Luminaire spacing (m)	0.90	1.20	1.20	1.50
Illuminance E_n (lx)	151	115	88	71

24W 3000lm
Graphit m
85054.000 ⏻

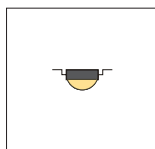
Cylinder Surface-mounted directional luminaire with LED



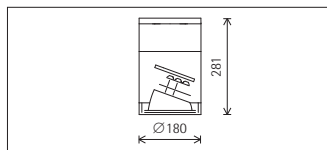
⏻ – switchable
Electronic control gear.



Wattage:
18W
1710lm - 2250lm



LED warm white
3000K
Version 4

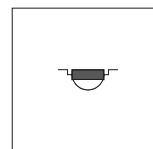


Weight 4.10kg

h(m)	E(lx)	D(m)
1	11589	0.28
2	2897	0.56
3	1288	0.84
4	724	1.12
5	464	1.41

12500 cd

Softec lens, spot
18W 1710lm
Graphit m
85051.000 ⏻



LED neutral white
4000K
Version 4

h(m)	E(lx)	D(m)
1	15249	0.28
2	3812	0.56
3	1694	0.84
4	953	1.12
5	610	1.41

20000 cd

Softec lens, spot
18W 2250lm
Graphit m
85050.000 ⏻

Cylinder for metal halide lamps



Structure and characteristics

The features described here are typical of products in this range. Special versions may offer additional or varying features. A comprehensive description of the features of individual products can be found on our ERCO Light Scout website. The direct links for quick access always take the same form:

www.erco.com/<article number>

Detailed information on the features is provided **from page 628**.

1 ERCO Darklight reflector

- Cut-off angle 30°
- Aluminium, silver, bright anodised

2 Diffuser or sculpture lens

- Diffuser: glass, matt or plastic, translucent

3 Cover ring

- Graphit m
- Corrosion-resistant cast aluminium, No-Rinse surface treatment
- Double powder-coated
- Tamper-proof screw
- Safety glass

4 Cylinder and ceiling fixture

- Graphit m
- Corrosion-resistant cast aluminium, No-Rinse surface treatment
- Double powder-coated
- Electronic control gear or control gear with temperature controller, timer-ignitor. Capacitor.
- Directional luminaire: lampholder carrier 0°-15° tilt

Protection mode IP65

Dust-tight and water jet-proof

Special characteristics



High lumen packages for very high illuminances



Different sizes



Cut-off 30°



Protection mode IP65

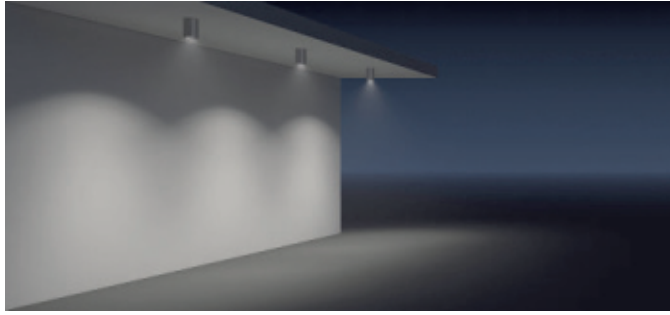
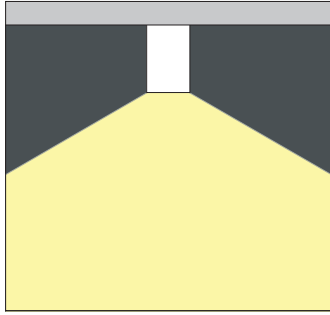


Switchable

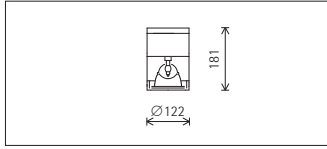
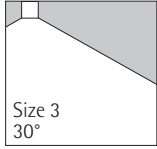


Accessories for mounting versions

Cylinder Surface-mounted downlight for metal halide lamps

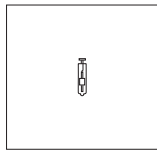


⏻ – switchable
 20W: electronic control gear. 35W/70W:
 control gear with temperature control-
 ler, timed-ignitor.

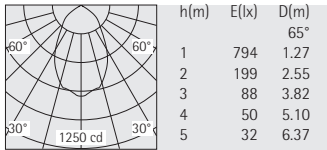


Weight 1.50kg

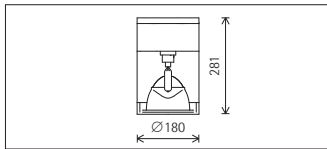
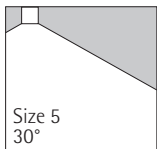
Wattage:
20W
1650lm



HIT-TC-CE

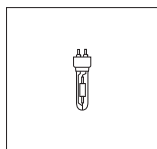


20W PGJ5 1650lm
 Graphit m
85044.000 ⏻

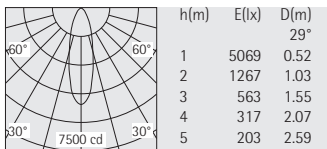


Weight 4.65kg - 5.05kg

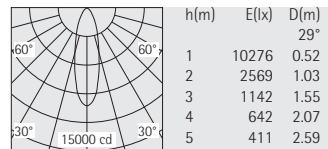
Wattage:
35W - 70W
3700lm - 7500lm



HIT-CE



35W G12 3700lm
 Graphit m
85045.000 ⏻

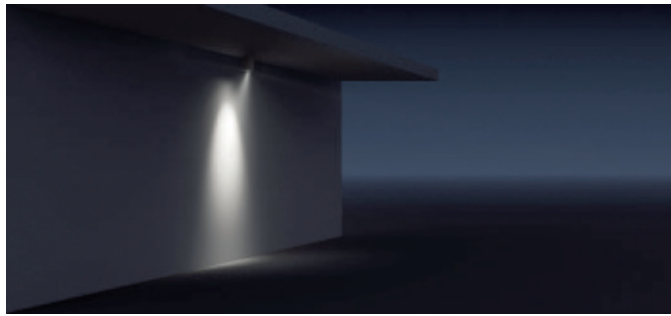
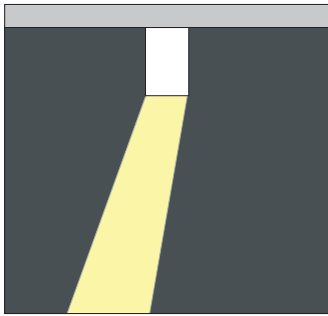


70W G12 7500lm
 Graphit m
85065.000 ⏻

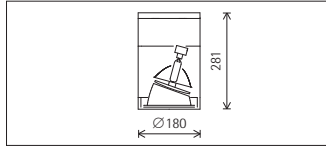
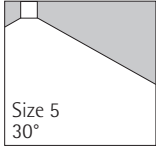


Coal washery,
 Zollverein colliery,
 Essen. Architect:
 OMA, Rem Kool-
 haas, Rotterdam;
 Böll & Krabel,
 Essen. Lighting de-
 signer: Licht Kunst
 Licht, Bonn/Berlin.

Cylinder Surface-mounted directional luminaire for metal halide lamps

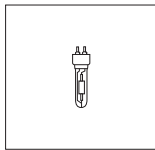


☺ – switchable
Control gear with temperature controller, timed-ignitor.

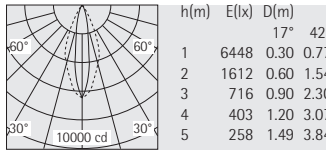


Weight 5.00kg - 5.30kg

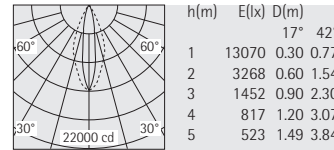
Wattage:
35W - 70W
3700lm - 7500lm



HIT-CE



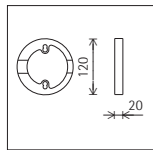
Spot reflector
35W G12 3700lm
Graphit m
85085.000 ☺



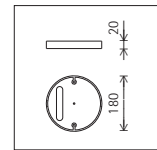
Spot reflector
70W G12 7500lm
Graphit m
85090.000 ☺

Cylinder Accessories

Suitable accessories for each article are indicated on the relevant product specification sheet. Product specification sheets are available in ERCO's Light Scout at: www.ercos.com/<article number>



34990.000
Spacer
for surface-mounted cables.
Corrosion-resistant cast aluminium,
No-Rinse surface treatment. Graphit m,
double powder-coated.
Weight 0.16kg



34994.000
Spacer
for surface-mounted cables.
Corrosion-resistant cast aluminium,
No-Rinse surface treatment. Graphit m,
double powder-coated.
Weight 0.28kg



Efficient and economical

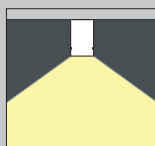
Perfect solution for illumination in existing buildings. Compact LED is the versatile tool.

Lighting design based on surface-mounted downlights need not be a workaround. The Compact LED downlight combines brilliant light with the robustness of outdoor luminaires. Compact LED as a surface-mounted downlight is the perfect solution for illumination in existing buildings, where recessed mounting is not possible. Wide flood and oval flood as different light distributions enable its use in passageways and arcades

as well as on the terrace of a private residence. Compact LED can just as easily be used for vertical illuminance through wallwashing.



General lighting
Ambient lighting produced by wide beam light distribution.

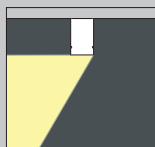


Surface-mounted downlights
Rotationally symmetrical or axially symmetrical, wide beam light distribution for general lighting.

LED
16W - 24W
1520lm - 3000lm
Light distribution: Wide flood, Oval flood



Wallwashing
Vertical illuminance for brightening the surroundings and segmenting the exterior landscape.



Surface-mounted lens wallwashers
Asymmetrical light distribution for highly uniform wallwashing.

LED
16W - 24W
1520lm - 3000lm
Light distribution: Wallwash

Compact LED



Structure and characteristics

The features described here are typical of products in this range. Special versions may offer additional or varying features. A comprehensive description of the features of individual products can be found on our ERCO Light Scout website. The direct links for quick access always take the same form:

www.erco.com/<article number>

Detailed information on the features is provided from page 628.

1 ERCO lens system

- Made of optical polymer
- Light distributions: wide flood, oval flood or wallwash

2 ERCO LED module

- High-power LEDs on metal-core PCB
- Light colours: warm white or neutral white

3 Anti-glare ring with cross baffle

- Optical cut-off angle 30°
- Plastic, aluminium vaporised, silver, ribbed

Wallwasher reflector

- Optical cut-off 40°
- Plastic, aluminium vaporised, silver, ribbed, with diffusor on the underside

4 Cylinder and ceiling fixture

- Graphit m
- Corrosion-resistant cast aluminium, No-Rinse surface treatment
- Double powder-coated
- Non-reflective safety glass

Control gear:

- Phase dimmable
- Dimming with external dimmers possible (trailing edge)

Protection mode IP65

Dust-tight and water jet-proof

Special characteristics



Highly efficient photometrics



Different sizes



Large luminaire spacing for wallwashing



ERCO high-power LEDs



Efficient Spherolit technology



Optical cut-off 30°/40°



Different light colours



Excellent thermal management

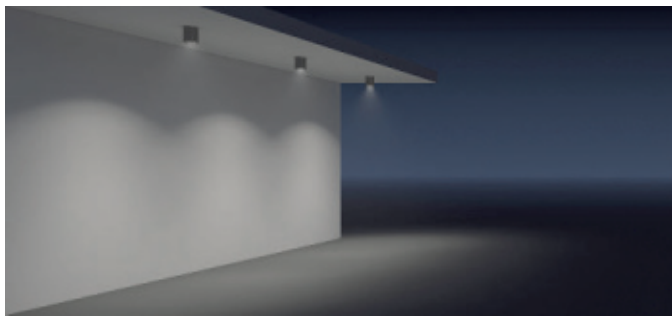
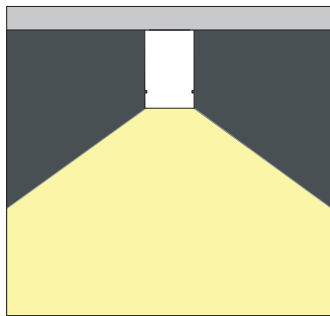


Protection mode IP65

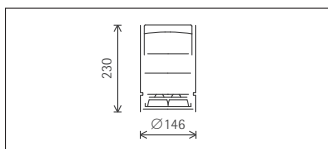
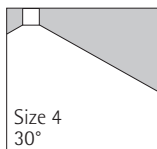


Phase dimmable

Compact LED Surface-mounted downlight with LED

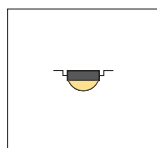


Dim – phase dimmable
Electronic control gear, dimmable. Dimming with external dimmers possible (trailing edge).

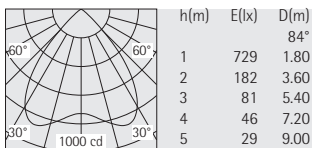


Weight 3.50kg

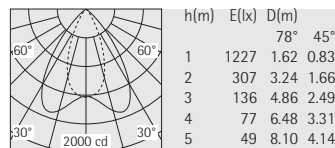
Wattage:
16W
1520lm - 2000lm



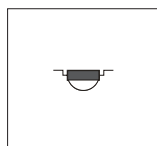
LED warm white
3000K
Version 2



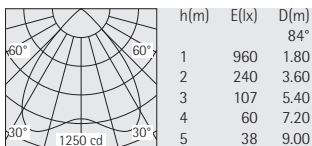
Lens system, wide flood
16W 1520lm
Graphit m
84527.000 Dim



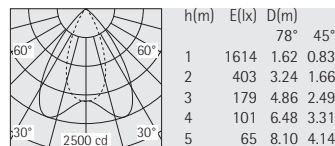
Lens system, oval flood
16W 1520lm
Graphit m
84533.000 Dim



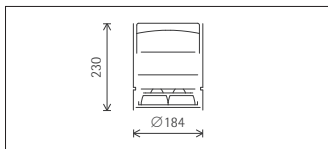
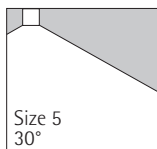
LED neutral white
4000K
Version 2



Lens system, wide flood
16W 2000lm
Graphit m
84528.000 Dim

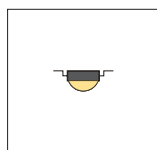


Lens system, oval flood
16W 2000lm
Graphit m
84534.000 Dim

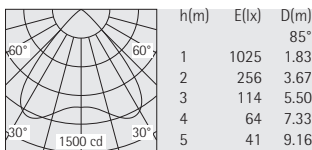


Weight 4.50kg

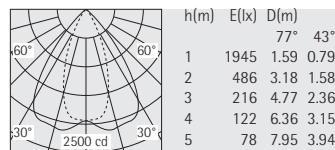
Wattage:
24W
2280lm - 3000lm



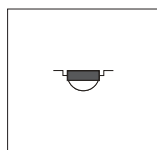
LED warm white
3000K
Version 2



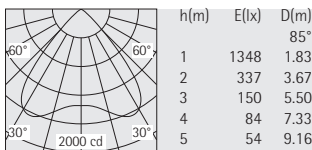
Lens system, wide flood
24W 2280lm
Graphit m
84529.000 Dim



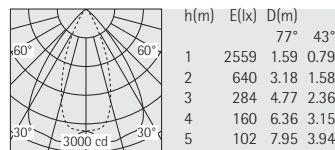
Lens system, oval flood
24W 2280lm
Graphit m
84535.000 Dim



LED neutral white
4000K
Version 2

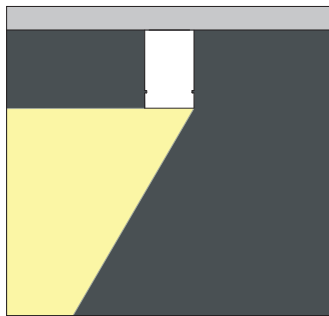


Lens system, wide flood
24W 3000lm
Graphit m
84530.000 Dim

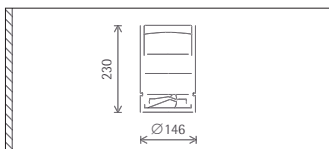
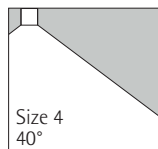


Lens system, oval flood
24W 3000lm
Graphit m
84536.000 Dim

Compact LED Surface-mounted lens wallwasher with LED

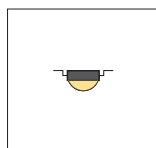


Dim – phase dimmable
Electronic control gear, dimmable. Dimming with external dimmers possible (trailing edge).



Weight 3.50kg

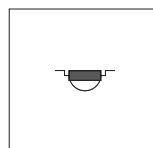
Wattage:
16W
1520lm - 2000lm



LED warm white
3000K
Version 2

Mean illuminance E_n (wall)				
Wall height (m)	4.0			
Offset from wall (m)	1.20	1.20	1.50	1.50
Luminaire spacing (m)	1.20	1.50	1.50	1.80
Illuminance E_n (lx)	169	138	121	102

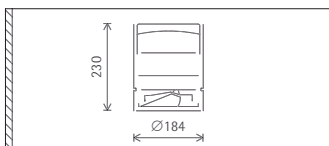
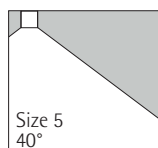
Lens system, wallwash
16W 1520lm
Graphit m
84557.000 Dim



LED neutral white
4000K
Version 2

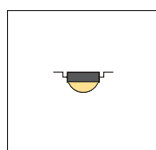
Mean illuminance E_n (wall)				
Wall height (m)	4.0			
Offset from wall (m)	1.20	1.20	1.50	1.50
Luminaire spacing (m)	1.20	1.50	1.50	1.80
Illuminance E_n (lx)	223	182	159	134

Lens system, wallwash
16W 2000lm
Graphit m
84558.000 Dim



Weight 4.50kg

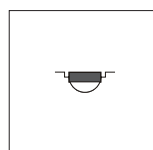
Wattage:
24W
2280lm - 3000lm



LED warm white
3000K
Version 2

Mean illuminance E_n (wall)				
Wall height (m)	6.0			
Offset from wall (m)	1.80	1.80	1.80	1.80
Luminaire spacing (m)	1.80	2.10	2.40	
Illuminance E_n (lx)	108	94	83	

Lens system, wallwash
24W 2280lm
Graphit m
84559.000 Dim



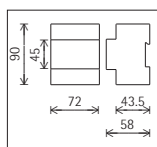
LED neutral white
4000K
Version 2

Mean illuminance E_n (wall)				
Wall height (m)	6.0			
Offset from wall (m)	1.80	1.80	1.80	1.80
Luminaire spacing (m)	1.80	2.10	2.40	
Illuminance E_n (lx)	142	123	109	

Lens system, wallwash
24W 3000lm
Graphit m
84560.000 Dim

Compact LED Accessories

Suitable accessories for each article are indicated on the relevant product specification sheet. Product specification sheets are available in ERCO's Light Scout at: www.erco.com/<article number>



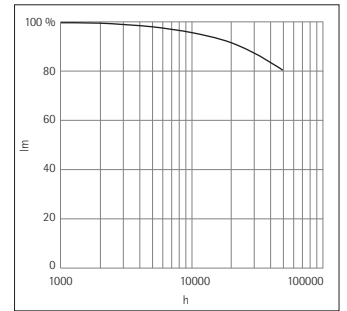
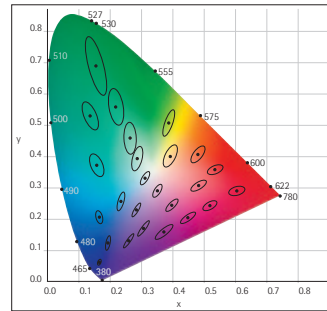
83816.000
DALI

DALI switch actuator, double, 16A
Two voltage-free contacts for switching ohmic, inductive and capacitive loads max 16A.
DALI interface with two independent addresses.
Mounting on DIN rail.
Weight 0.21kg

In-ground luminaires

Optoelectronics

ERCO designs and builds optical elements that efficiently and precisely guide the light of LEDs, making it predictable and usable. The development of electronic modules in-house gives ERCO freedom in designing the form and function of individual lighting tools.



ERCO high-power LEDs

At 700mA, an LED has an output of around 2W. This results in a luminous efficacy of 125lm/W for neutral white LEDs and 95lm/W for warm white LEDs.

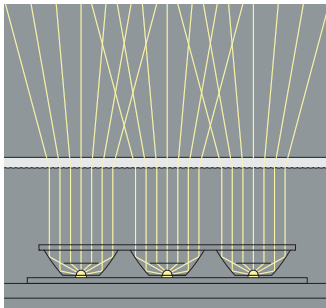
Precise chromaticity location in LED selection

To ensure minimal colour deviation, ERCO only uses LEDs with a SDCM (Standard Deviation of Colour Matching) value of <math>< 2</math>.

Long life

Excellent thermal management as a focal point at ERCO ensures that the LEDs in all luminaires achieve a rated life of 50,000 hours (L80/B10). Effectively, this means that the luminous flux of no more than 10% of all LEDs

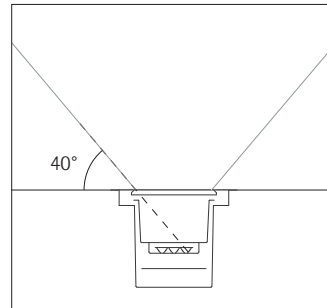
in this period reduces to 80% or less of the initial value. In other words, at least 90% of all LEDs will still achieve more than 80% of the original luminous flux after 50,000 hours.



Modern Spherolit technology for maximum efficiency
ERCO's innovative Spherolit technology achieves a higher light output ratio than conventional lighting technology.

Visual comfort

Man and his perception determines whether lighting is efficient. Without spill light, this light creates optimal viewing conditions for the human eye. From the outset it allows the designer to use an energy efficient solution with lower illuminance levels and precisely planned contrasts.



Cut-off

ERCO optimises the photometrics of each luminaire to achieve maximum visual comfort without disturbing glare and spill light.

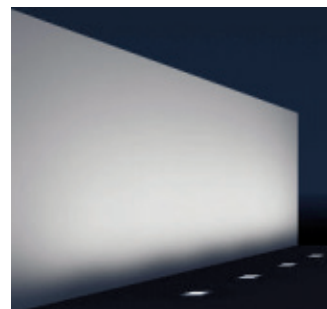
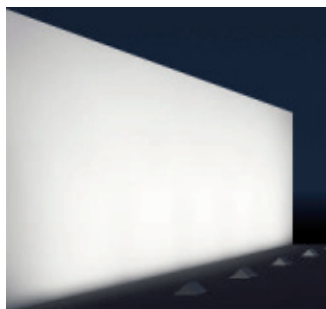


Enhanced visual comfort

ERCO has developed luminaires with special housing designs and high-quality optical components specifically for demanding visual tasks to provide enhanced visual comfort.

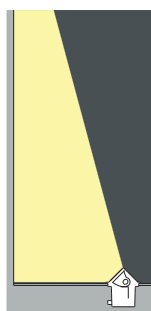
Vertical illuminance

The homogeneous illumination of vertical surfaces facilitates orientation, increasing the subjective feeling of brightness and safety. Through a balanced distribution of illuminances, it reduces the contrasts and reliably prevents glare.



Excellent uniformity

To meet the stringent standards of vertical illuminance, ERCO has developed luminaires specifically to produce exceptionally uniform levels of illuminance.



Wallwashers

Illumination of the whole wall down to the floor is a characteristic feature of the Tesis wallwashers.



Focal wallwashers

With a wall offset of one third of the wall height, the Tesis focal wallwashers focus the light on the lower section of the wall.



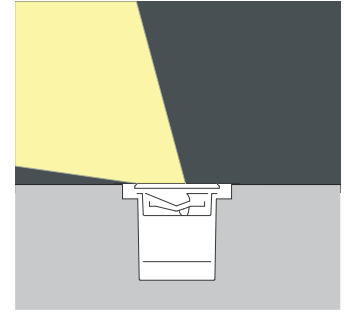
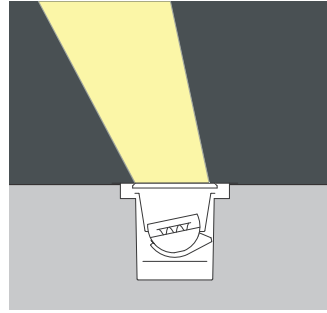
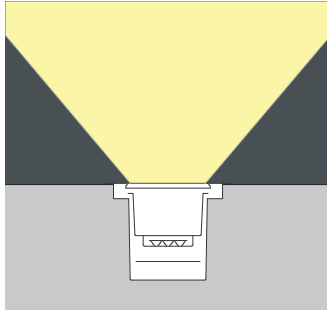
Lens wallwashers

Characteristic features of the lens wallwashers include flexibility in terms of luminaire arrangement and highly uniform illuminance on the wall.

In-ground luminaires

System design in practice

Taking system design to its logical conclusion is a characteristic feature of ERCO products. It allows lighting tools which are very similar in design to be used for many different lighting tasks. This strategy makes a convincing argument not only from a design point of view, but also from a technical perspective.



Different light distributions

ERCO offers luminaires with a variety of light distributions to suit different lighting tasks: uplights for precise grazing light on façades or objects, directional luminaires for accentuating objects, shrubbery or building

details, and lens wallwashers for an exceptionally uniform brightness distribution on vertical surfaces.



High lumen packages for very high illuminances

ERCO offers luminaires with high lumen packages to produce very high illuminances.



Coloured light

Coloured light can be used to design and change the surroundings by adding subtle or dramatic contrasts. LEDs provide you with a highly efficient and flexible tool to create coloured light.



Different light colours

Warm white LEDs optimally emphasise warm materials such as wood. Neutral white LEDs accentuate cold materials including concrete and metal with a higher luminous efficacy.

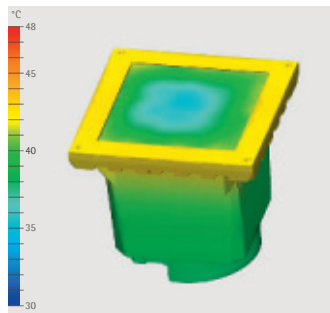
The orientation luminaires with blue LEDs provide a discreet focal point.



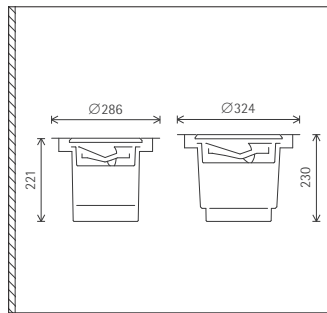
Coloured light
The modules of varychrome RGB luminaires are equipped with red, green and blue LEDs allowing you to create a diversity of saturated colours.

In-ground luminaires

Practical product range
 Different lighting tasks require individual lighting solutions. Whatever size, shape or function you may need, ERCO offers an extensive range of in-ground luminaires providing you with the right lighting tool for your purposes.



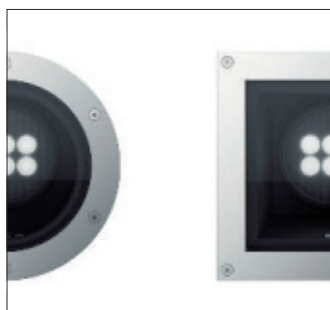
Excellent thermal management
 ERCO places particular importance on thermal management. This ensures that heat-sensitive components or control gear achieve their full service life.



Different sizes
 The luminaires in the ERCO product range cover various lumen categories and therefore offer an appropriate solution for a large number of lighting tasks.



Small luminaire dimensions
 Small luminaires appear unobtrusive in the surroundings and direct the focus onto the light, not the luminaires.



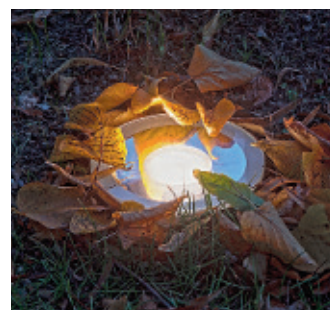
Available in round or square
 The ERCO system design includes round and square versions to provide luminaires suited to the architecture and surroundings.



Tiltable
 The luminaires can be adjusted precisely for optimum beam alignment. The light, as a result, is emitted exactly where you need it.



Flush or covered mounting detail
 ERCO also offers luminaires with flush mounting detail for minimalist stylistic features.



Protection mode IP68
 ERCO luminaires rated to protection mode IP68 are suitable for operation in both outdoor and indoor areas. Operation of these luminaires in ponds or pools is not permitted, only in surrounding zones from 2m.



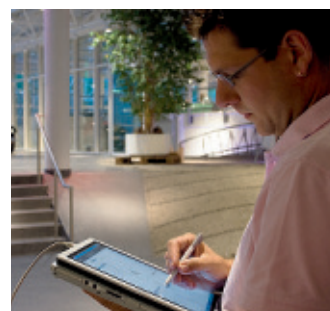
Recessed housing
 The new Tesis recessed housing is made of plastic to remain fully corrosion-resistant. It is suited for the requirements of luminaires that are driven over by vehicles.



Switchable
 Switchable luminaires can be switched on or off as required using manual switches or actuators.



Phase dimmable
 Dimmable luminaires can be operated using external trailing-edge dimmers.

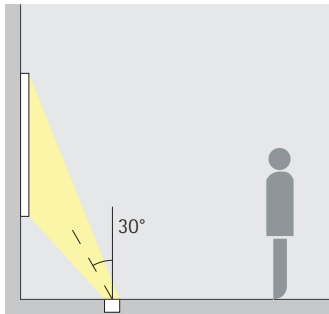


DALI dimmable
 DALI dimmable luminaires are suitable for DALI based lighting control systems. Dimming enables the flexible setting of light scenes.

In-ground luminaires Luminaire arrangement

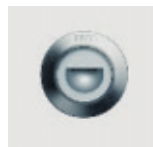
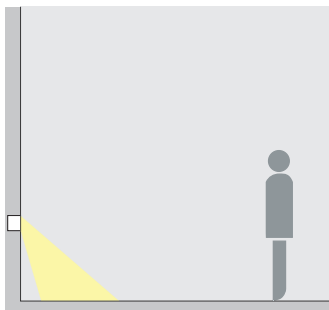
Accentuation

Experience has shown the ideal angle of tilt for accent lighting to be 30°. This ensures good modelling without excessive grazing light and prevents shadows cast by the observer.



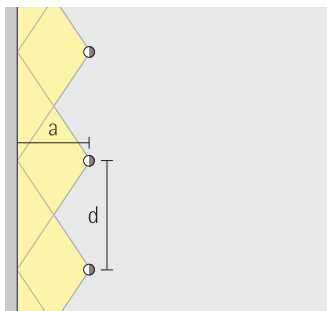
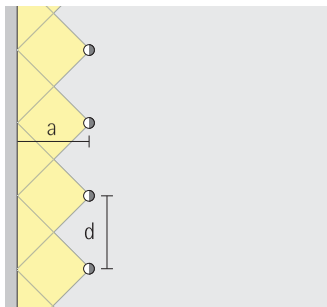
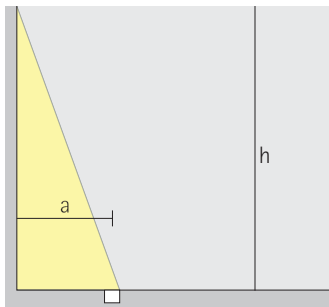
Orientation lighting

The recommended mounting height for wall-mounting of floor washlights is about 0.4m.



Wallwashing

To achieve a uniform brightness distribution on the vertical plane, the luminaires need to be arranged correctly. The distance of the wallwashers from the wall should be around one third of the room height to ensure uniform light distribution in vertical direction. The appropriate wall offset and luminaire spacing is indicated in the wallwasher tables in the catalogue or the product data sheets.



Large luminaire spacing

For some wallwashers, the luminaire spacing may be up to 1.5 times the offset from the wall. Appropriate details are provided in the wallwasher tables in the catalogue or the product data sheets. Computerised beam calculations are recommended to check potential intersections with side walls.

The planning recommendations for wallwashers are designed to help you decide on the optimum luminaire arrangement. The table indicates the optimum wall height along with the appropriate offset from the wall and luminaire spacing as

well as the resulting illuminance. For individualised planning of the lighting concept, it is recommended to include the maintenance factor in the lighting design and use the photometric data provided.

Mean illuminances E_n (wall)

Wall height (m)	6.0			
Offset from wall (m)	1.75	2.00	2.00	2.25
Luminaire spacing (m)	2.00	2.00	2.50	3.00
Illuminance E_n (lx)	83	77	63	48



The benchmark in the outdoor area

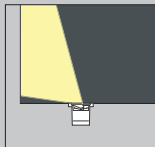
An innovative archetype in outdoor lighting

Tesis LED has long been a regular feature in the ERCO Program and is consistently refined. The new, flat design of the Tesis LED housing ensures straightforward installation – in both round and square version. Add to this the fact that the housing itself is fully corrosion-resistant. ERCO luminaires are developed with focus on long life, but primarily also on ease of use. Be it directional luminaire or wallwasher, Tesis LED

sets the benchmark in outdoor lighting.



Wallwashing
Vertical illuminance for brightening the surroundings and segmenting the exterior landscape.

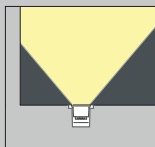
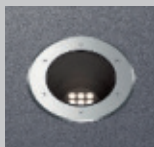


Lens wallwashers
Asymmetrical light distribution for highly uniform wallwashing.

LED
24W - 32W
2280lm - 4000lm
Light distribution: Wallwash

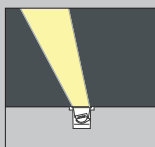
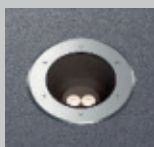
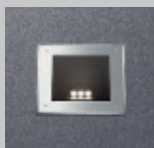


Accentuation
Emphasis of objects or architectural elements.



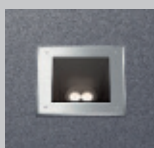
Uplights
Very wide beam, rotationally symmetrical light distribution for accent lighting.

LED
18W - 24W
1710lm - 3000lm
Light distribution: Wide flood



Directional luminaires
Very narrow to wide beam, rotationally or axially symmetrical light distribution for accent lighting.

LED
4W - 18W
380lm - 2250lm
Light distribution: Narrow spot, Spot, Flood, Oval flood





Structure and characteristics

The features described here are typical of products in this range. Special versions may offer additional or varying features. A comprehensive description of the features of individual products can be found on our ERCO Light Scout website. The direct links for quick access always take the same form:

www.erco.com/<article number>

Detailed information on the features is provided from page 663.

1 ERCO Spherolit lens

- Directional luminaire:**
- Light distributions: narrow spot, spot, flood or oval flood
- Uplight:**
- Light distribution: wide flood

Lens wallwasher

- Optical cut-off 40°
- ERCO lens system: wallwash
- Wallwasher reflector: metal or plastic, aluminium vaporised, silver, ribbed, partly black lacquered, with diffuser on the underside

2 ERCO LED module

- High-power LEDs on metal-core PCB
- Light colours: warm white or neutral white
- Collimating lens made of optical polymer
- Directional luminaire 0°-30° tilt

3 Cover ring or cover frame

- Covered or flush mounting detail
- Corrosion-resistant stainless steel
- Safety glass: 15mm, clear

4 Housing

- Plastic, black
 - Cable 3x1.5mm²
 - Installation with separate connection sleeve
 - Can be mounted without recessed housing
 - Mounting in recessed housing: can be driven over by vehicles with pneumatic tyres. Load 50kN
 - Mounting in hollow floor: mounting kit to be ordered separately
 - On site protection must be provided using a residual current circuit breaker FI<=30mA
- Control gear:**
- Switchable or phase dimmable
- Phase dimmable version:**
- Dimming with external dimmers possible (trailing edge)

Protection mode IP68

Dust-tight. Protected against the results of continuous submersion up to a depth of 3m

Special characteristics

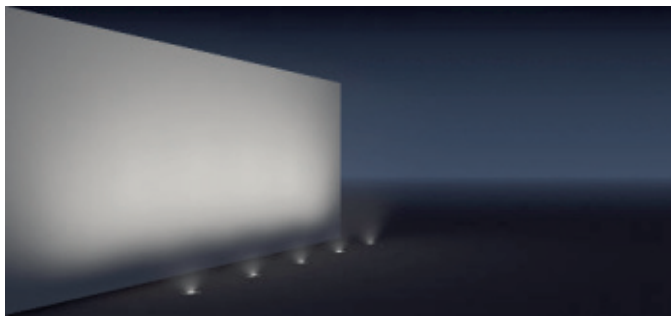
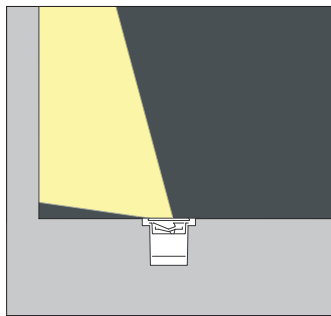
	Excellent uniformity
	Available in round or square
	Large luminaire spacing for wallwashing

	ERCO high-power LEDs
	Efficient Spherolit technology
	Optical cut-off 40°
	Different light colours

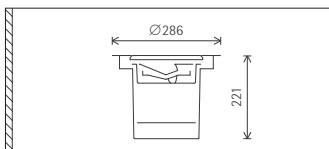
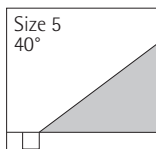
	Excellent thermal management
	Different sizes
	Flush or covered mounting detail
	Protection mode IP68

	Switchable
	Phase dimmable

Tesis LED In-ground luminaire Lens wallwasher with LED



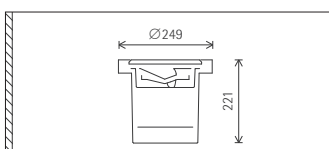
Dim – phase dimmable
Electronic control gear, dimmable. Installation with separate connection sleeve. Hollow floor mounting with separate mounting kit. Dimming with external dimmers possible (trailing-edge). On site protection must be provided using a residual current circuit breaker, FI<=30mA. Available from 2nd quarter 2014



Covered mounting detail

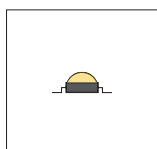
Weight 4.25kg - 4.64kg

Wattage:
24W
2280lm - 3000lm



Flush mounting detail

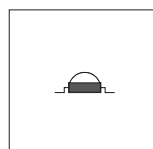
Weight 4.25kg - 4.64kg



LED warm white
3000K
Version 6

Mean illuminance E _n (wall)				
Wall height (m)	6.0			
Offset from wall (m)	1.75	2.00	2.00	2.25
Luminaire spacing (m)	2.00	2.00	2.50	3.00
Illuminance E _n (lx)	73	68	55	43

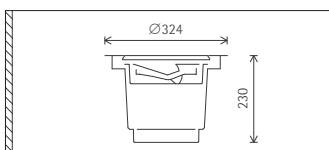
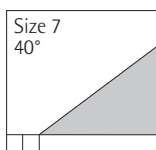
Lens system, wallwash
24W 2280lm
covered flush
33580.000 Dim 33621.000 Dim



LED neutral white
4000K
Version 6

Mean illuminance E _n (wall)				
Wall height (m)	6.0			
Offset from wall (m)	1.75	2.00	2.00	2.25
Luminaire spacing (m)	2.00	2.00	2.50	3.00
Illuminance E _n (lx)	96	89	73	56

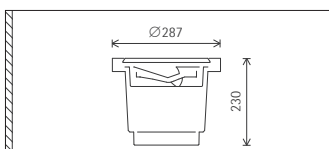
Lens system, wallwash
24W 3000lm
covered flush
33581.000 Dim 33622.000 Dim



Covered mounting detail

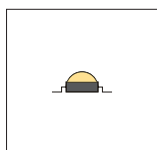
Weight 5.53kg - 5.98kg

Wattage:
32W
3040lm - 4000lm



Flush mounting detail

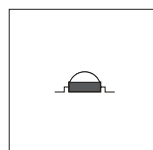
Weight 5.53kg - 5.98kg



LED warm white
3000K
Version 6

Mean illuminance E _n (wall)				
Wall height (m)	6.0			
Offset from wall (m)	1.75	2.00	2.00	2.25
Luminaire spacing (m)	2.00	2.00	2.50	3.00
Illuminance E _n (lx)	98	91	74	57

Lens system, wallwash
32W 3040lm
covered flush
33582.000 Dim 33623.000 Dim

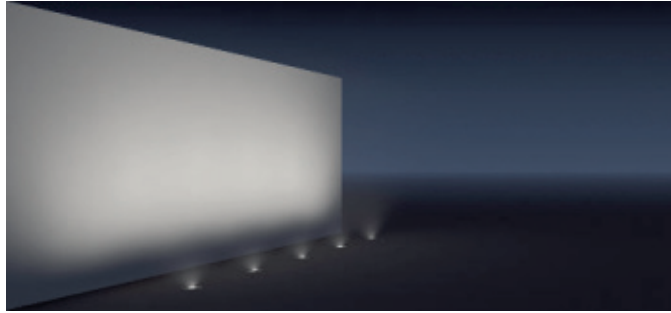
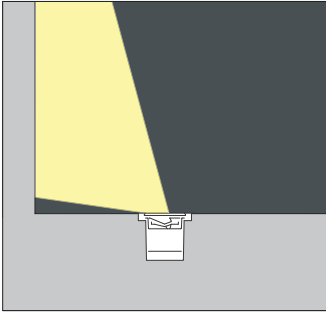


LED neutral white
4000K
Version 6

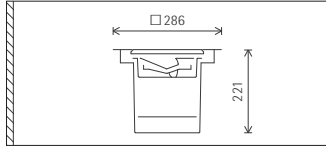
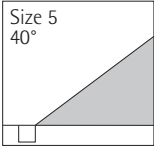
Mean illuminance E _n (wall)				
Wall height (m)	6.0			
Offset from wall (m)	1.75	2.00	2.00	2.25
Luminaire spacing (m)	2.00	2.00	2.50	3.00
Illuminance E _n (lx)	128	119	97	75

Lens system, wallwash
32W 4000lm
covered flush
33583.000 Dim 33624.000 Dim

Tesis LED In-ground luminaire Lens wallwasher with LED



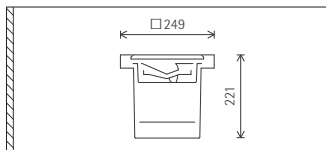
Dim – phase dimmable
Electronic control gear, dimmable. Installation with separate connection sleeve. Hollow floor mounting with separate mounting kit. Dimming with external dimmers possible (trailing-edge). On site protection must be provided using a residual current circuit breaker, FI<=30mA. Available from 2nd quarter 2014



Covered mounting detail

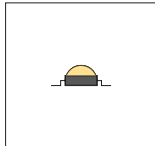
Weight 5.13kg - 5.63kg

Wattage:
24W
2280lm - 3000lm



Flush mounting detail

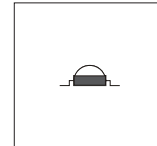
Weight 5.13kg - 5.63kg



LED warm white
3000K
Version 6

Mean illuminance E_n (wall)				
Wall height (m)	6.0			
Offset from wall (m)	1.75	2.00	2.00	2.25
Luminaire spacing (m)	2.00	2.00	2.50	3.00
Illuminance E_n (lx)	83	77	63	48

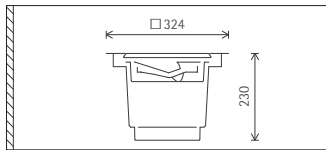
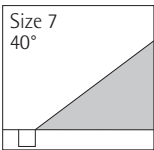
Lens system, wallwash
24W 2280lm
covered flush
33584.000 Dim 33625.000 Dim



LED neutral white
4000K
Version 6

Mean illuminance E_n (wall)				
Wall height (m)	6.0			
Offset from wall (m)	1.75	2.00	2.00	2.25
Luminaire spacing (m)	2.00	2.00	2.50	3.00
Illuminance E_n (lx)	109	101	82	64

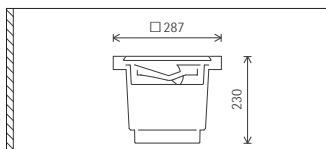
Lens system, wallwash
24W 3000lm
covered flush
33585.000 Dim 33626.000 Dim



Covered mounting detail

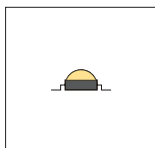
Weight 6.60kg - 7.18kg

Wattage:
32W
3040lm - 4000lm



Flush mounting detail

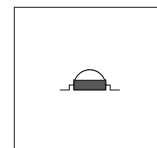
Weight 6.60kg - 7.18kg



LED warm white
3000K
Version 6

Mean illuminance E_n (wall)				
Wall height (m)	6.0			
Offset from wall (m)	1.75	2.00	2.00	2.25
Luminaire spacing (m)	2.00	2.00	2.50	3.00
Illuminance E_n (lx)	111	104	84	66

Lens system, wallwash
32W 3040lm
covered flush
33586.000 Dim 33627.000 Dim

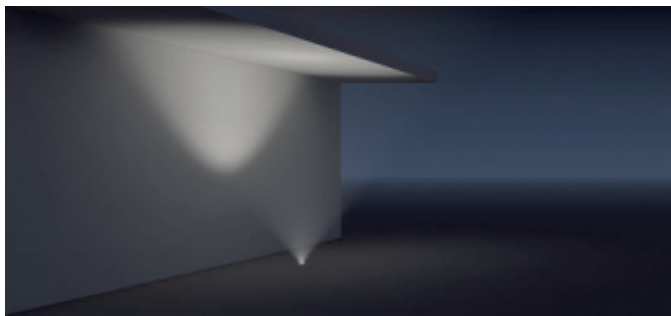
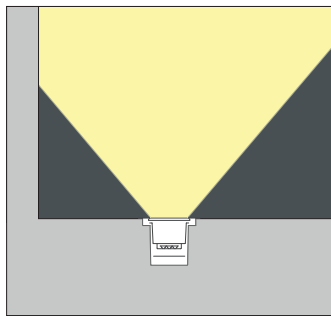


LED neutral white
4000K
Version 6

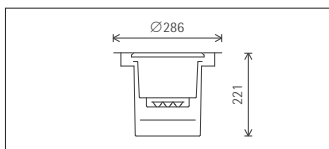
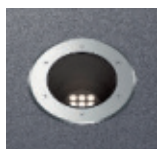
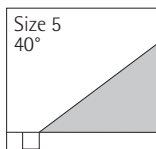
Mean illuminance E_n (wall)				
Wall height (m)	6.0			
Offset from wall (m)	1.75	2.00	2.00	2.25
Luminaire spacing (m)	2.00	2.00	2.50	3.00
Illuminance E_n (lx)	146	136	111	87

Lens system, wallwash
32W 4000lm
covered flush
33587.000 Dim 33628.000 Dim

Tesis LED In-ground luminaire Uplight with LED



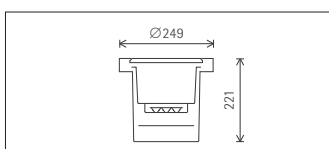
Dim – phase dimmable
 Electronic control gear, dimmable. Installation with separate connection sleeve. Hollow floor mounting with separate mounting kit. Dimming with external dimmers possible (trailing-edge). On site protection must be provided using a residual current circuit breaker, FI<=30mA. Available from 2nd quarter 2014



Covered mounting detail

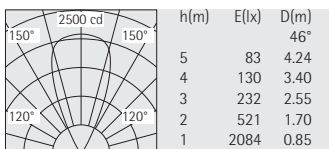
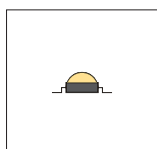
Weight 4.47kg - 4.86kg

Wattage:
 18W
 1710lm - 2250lm



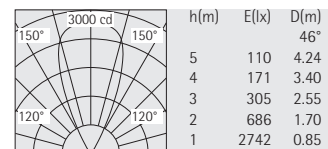
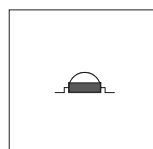
Flush mounting detail

Weight 4.47kg - 4.86kg



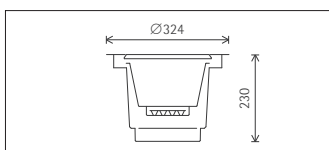
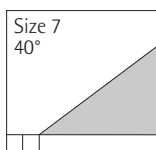
LED warm white
 3000K
 Version 6

Spherolit lens, wide flood
 18W 1710lm
 covered flush
33023.000 Dim 33025.000 Dim



LED neutral white
 4000K
 Version 6

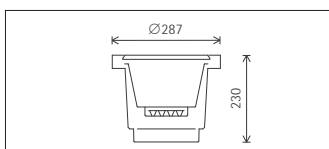
Spherolit lens, wide flood
 18W 2250lm
 covered flush
33024.000 Dim 33026.000 Dim



Covered mounting detail

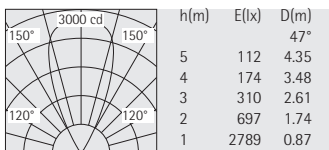
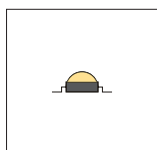
Weight 5.67kg - 6.12kg

Wattage:
 24W
 2280lm - 3000lm



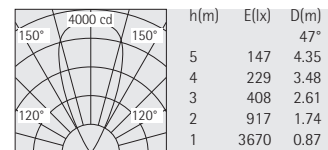
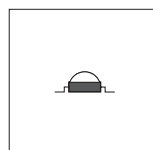
Flush mounting detail

Weight 5.67kg - 6.12kg



LED warm white
 3000K
 Version 6

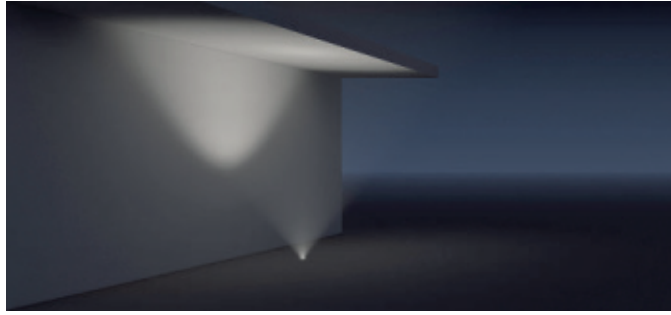
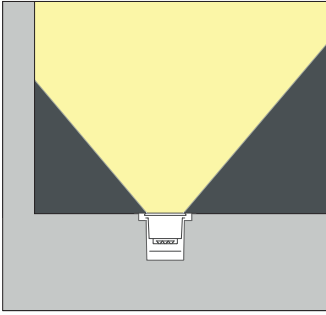
Spherolit lens, wide flood
 24W 2280lm
 covered flush
33033.000 Dim 33035.000 Dim



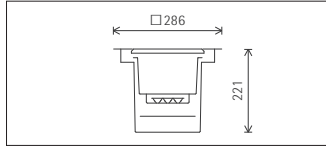
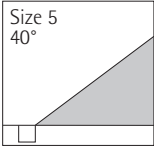
LED neutral white
 4000K
 Version 6

Spherolit lens, wide flood
 24W 3000lm
 covered flush
33034.000 Dim 33036.000 Dim

Tesis LED In-ground luminaire Uplight with LED



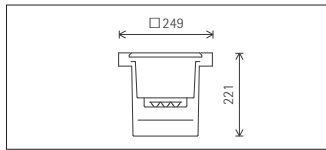
Dim – phase dimmable
Electronic control gear, dimmable. Installation with separate connection sleeve. Hollow floor mounting with separate mounting kit. Dimming with external dimmers possible (trailing-edge). On site protection must be provided using a residual current circuit breaker, FI<=30mA. Available from 2nd quarter 2014



Covered mounting detail

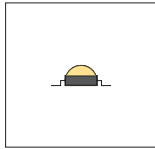
Weight 5.21kg - 5.71kg

Wattage:
18W
1710lm - 2250lm

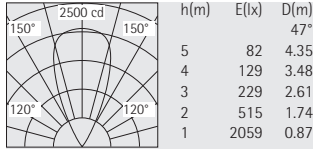


Flush mounting detail

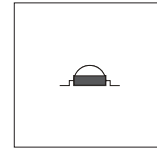
Weight 5.21kg - 5.71kg



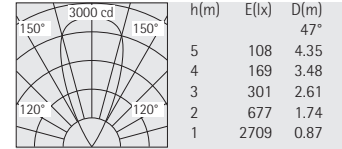
LED warm white
3000K
Version 6



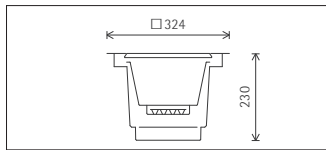
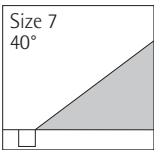
Spherolit lens, wide flood
18W 1710lm
covered flush
33027.000 Dim 33029.000 Dim



LED neutral white
4000K
Version 6



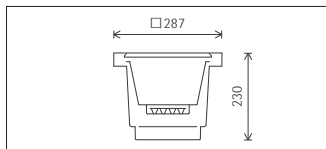
Spherolit lens, wide flood
18W 2250lm
covered flush
33028.000 Dim 33030.000 Dim



Covered mounting detail

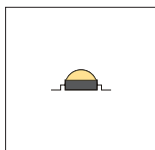
Weight 6.54kg - 7.12kg

Wattage:
24W
2280lm - 3000lm

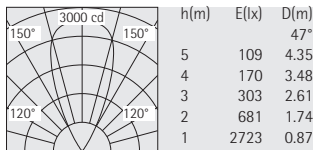


Flush mounting detail

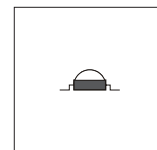
Weight 6.54kg - 7.12kg



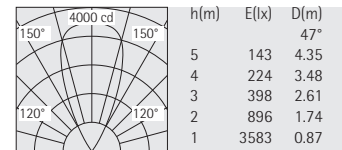
LED warm white
3000K
Version 6



Spherolit lens, wide flood
24W 2280lm
covered flush
33037.000 Dim 33039.000 Dim

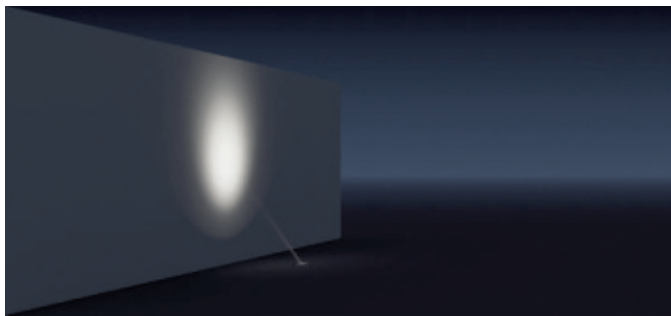
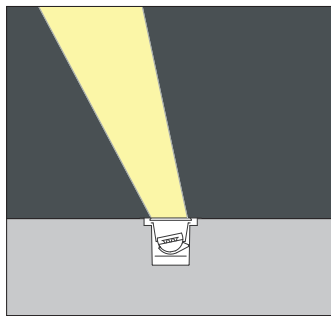


LED neutral white
4000K
Version 6



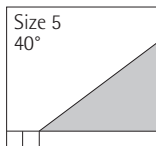
Spherolit lens, wide flood
24W 3000lm
covered flush
33038.000 Dim 33041.000 Dim

Tesis LED In-ground luminaire Directional luminaire with LED

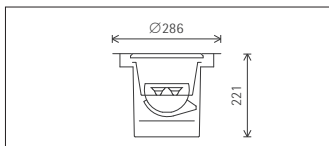
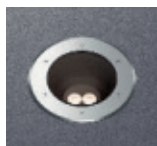


⏻ – **switchable**
Electronic control gear. Installation with separate connection sleeve. Hollow floor mounting with separate mounting kit. On site protection must be provided using a residual current circuit breaker, FI<=30mA. Available from 2nd quarter 2014

⏻ – **Dim – phase dimmable**
Electronic control gear, dimmable. Installation with separate connection sleeve. Hollow floor mounting with separate mounting kit. Dimming with external dimmers possible (trailing-edge). On site protection must be provided using a residual current circuit breaker, FI<=30mA. Available from 2nd quarter 2014

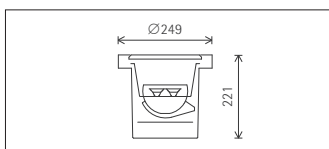


Wattage:
4W - 12W
380lm - 1500lm



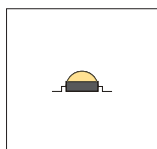
Covered mounting detail

Weight 5.08kg - 5.47kg

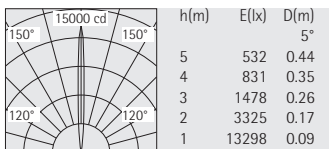


Flush mounting detail

Weight 5.08kg - 5.47kg



LED warm white
3000K
Version 6



Spherolit lens, narrow spot

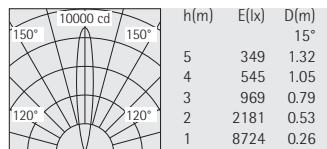
4W 380lm

covered

33588.000 ⏻

flush

33629.000 ⏻



Spherolit lens, spot

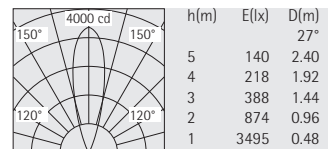
12W 1140lm

covered

33590.000 Dim

flush

33631.000 Dim



Spherolit lens, flood

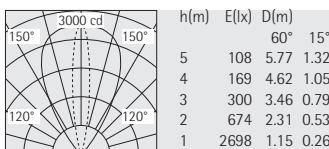
12W 1140lm

covered

33592.000 Dim

flush

33633.000 Dim



Spherolit lens, oval flood

12W 1140lm

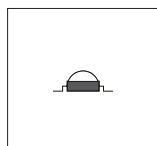
covered

33594.000 Dim

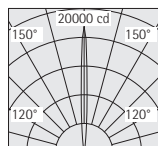
flush

33635.000 Dim

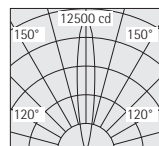
Tesis LED In-ground luminaire Directional luminaire with LED



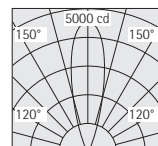
LED neutral white
4000K
Version 6



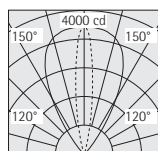
Spherolit lens, narrow spot
4W 500lm
covered flush
33589.000 **33630.000**



Spherolit lens, spot
12W 1500lm
covered flush
33591.000 Dim **33632.000** Dim

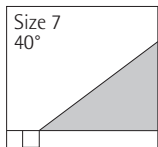


Spherolit lens, flood
12W 1500lm
covered flush
33593.000 Dim **33634.000** Dim

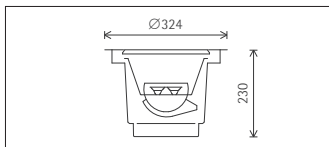


Spherolit lens, oval flood
12W 1500lm
covered flush
33595.000 Dim **33636.000** Dim

Tesis LED In-ground luminaire Directional luminaire with LED

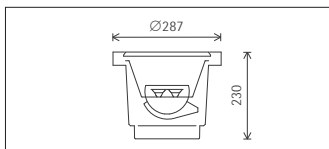


Wattage:
8W - 18W
760lm - 2250lm



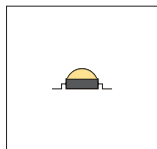
Covered mounting detail

Weight 6.26kg - 6.71kg

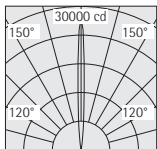


Flush mounting detail

Weight 6.26kg - 6.71kg



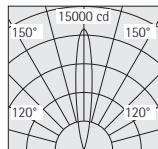
LED warm white
3000K
Version 6



h(m)	E(lx)	D(m)
5	1102	0.44
4	1722	0.35
3	3061	0.26
2	6886	0.17
1	27545	0.09

Spherolit lens, narrow spot

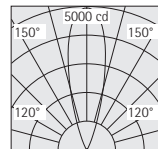
8W 760lm
covered flush
33596.000 Dim 33637.000 Dim



h(m)	E(lx)	D(m)
5	507	1.32
4	792	1.05
3	1407	0.79
2	3167	0.53
1	12666	0.26

Spherolit lens, spot

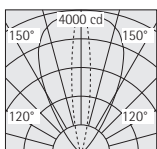
18W 1710lm
covered flush
33598.000 Dim 33639.000 Dim



h(m)	E(lx)	D(m)
5	198	2.49
4	309	1.99
3	550	1.50
2	1237	1.00
1	4947	0.50

Spherolit lens, flood

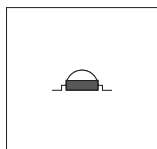
18W 1710lm
covered flush
33601.000 Dim 33641.000 Dim



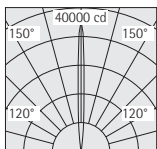
h(m)	E(lx)	D(m)
5	155	5.77 1.32
4	243	4.62 1.05
3	432	3.46 0.79
2	971	2.31 0.53
1	3885	1.15 0.26

Spherolit lens, oval flood

18W 1710lm
covered flush
33603.000 Dim 33643.000 Dim



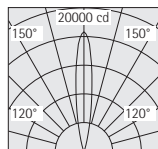
LED neutral white
4000K
Version 6



h(m)	E(lx)	D(m)
5	1450	0.44
4	2265	0.35
3	4027	0.26
2	9061	0.17
1	36244	0.09

Spherolit lens, narrow spot

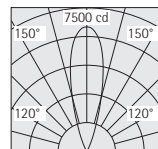
8W 1000lm
covered flush
33597.000 Dim 33638.000 Dim



h(m)	E(lx)	D(m)
5	667	1.32
4	1042	1.05
3	1852	0.79
2	4166	0.53
1	16666	0.26

Spherolit lens, spot

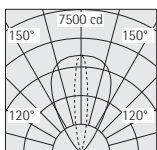
18W 2250lm
covered flush
33599.000 Dim 33640.000 Dim



h(m)	E(lx)	D(m)
5	260	2.49
4	407	1.99
3	723	1.50
2	1627	1.00
1	6509	0.50

Spherolit lens, flood

18W 2250lm
covered flush
33602.000 Dim 33642.000 Dim

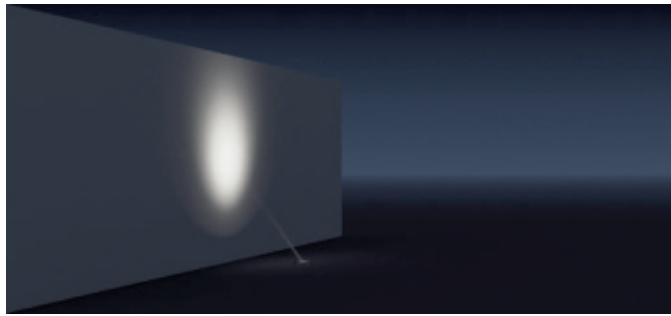
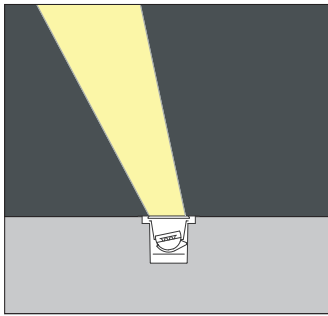


h(m)	E(lx)	D(m)
5	204	5.77 1.32
4	319	4.62 1.05
3	568	3.46 0.79
2	1278	2.31 0.53
1	5111	1.15 0.26

Spherolit lens, oval flood

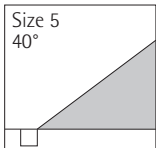
18W 2250lm
covered flush
33604.000 Dim 33644.000 Dim

Tesis LED In-ground luminaire Directional luminaire with LED

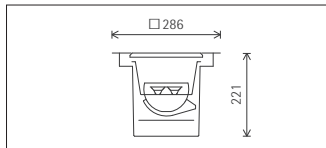
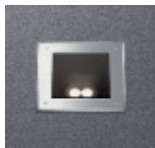


☺ – **switchable**
Electronic control gear. Installation with separate connection sleeve. Hollow floor mounting with separate mounting kit. On site protection must be provided using a residual current circuit breaker, FI<=30mA. Available from 2nd quarter 2014

☺ – **Dim – phase dimmable**
Electronic control gear, dimmable. Installation with separate connection sleeve. Hollow floor mounting with separate mounting kit. Dimming with external dimmers possible (trailing-edge). On site protection must be provided using a residual current circuit breaker, FI<=30mA. Available from 2nd quarter 2014

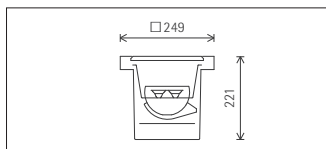


Wattage:
4W - 12W
380lm - 1500lm



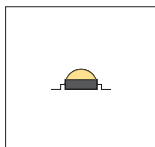
Covered mounting detail

Weight 5.84kg - 6.34kg

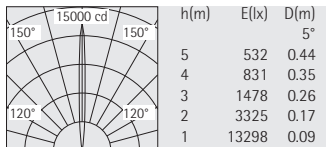


Flush mounting detail

Weight 5.84kg - 6.34kg

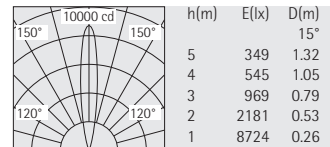


LED warm white
3000K
Version 6



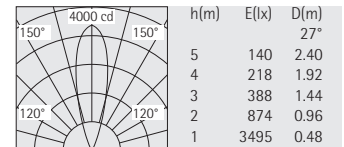
Spherolit lens, narrow spot

4W 380lm
covered flush
33605.000 ☺ **33645.000** ☺



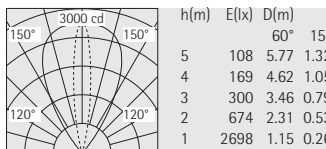
Spherolit lens, spot

12W 1140lm
covered flush
33607.000 Dim **33647.000** Dim



Spherolit lens, flood

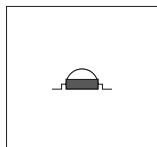
12W 1140lm
covered flush
33609.000 Dim **33649.000** Dim



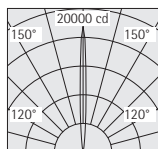
Spherolit lens, oval flood

12W 1140lm
covered flush
33611.000 Dim **33651.000** Dim

Tesis LED In-ground luminaire Directional luminaire with LED



LED neutral white
4000K
Version 6



h(m)	E(lx)	D(m)
5	700	0.44
4	1094	0.35
3	1944	0.26
2	4374	0.17
1	17498	0.09

Spherolit lens, narrow spot

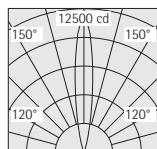
4W 500lm

covered

33606.000 ⏻

flush

33646.000 ⏻



h(m)	E(lx)	D(m)
5	459	1.32
4	717	1.05
3	1275	0.79
2	2870	0.53
1	11479	0.26

Spherolit lens, spot

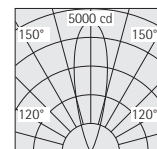
12W 1500lm

covered

33608.000 Dim

flush

33648.000 Dim



h(m)	E(lx)	D(m)
5	184	2.40
4	287	1.92
3	511	1.44
2	1150	0.96
1	4599	0.48

Spherolit lens, flood

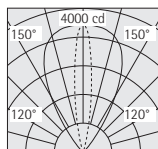
12W 1500lm

covered

33610.000 Dim

flush

33650.000 Dim



h(m)	E(lx)	D(m)
5	142	5.77 1.32
4	222	4.62 1.05
3	394	3.46 0.79
2	887	2.31 0.53
1	3550	1.15 0.26

Spherolit lens, oval flood

12W 1500lm

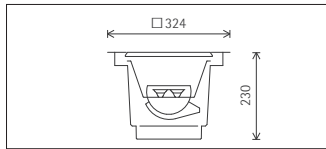
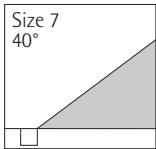
covered

33612.000 Dim

flush

33652.000 Dim

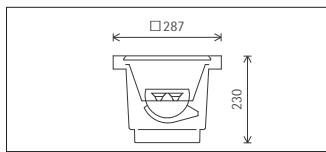
Tesis LED In-ground luminaire Directional luminaire with LED



Covered mounting detail

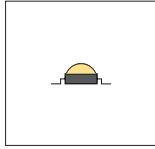
Weight 7.13kg - 7.71kg

Wattage:
8W - 18W
760lm - 2250lm

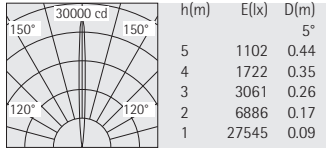


Flush mounting detail

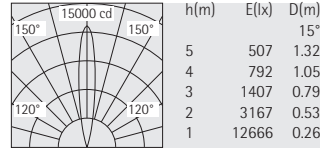
Weight 7.13kg - 7.71kg



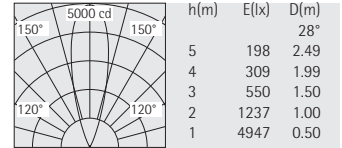
LED warm white
3000K
Version 6



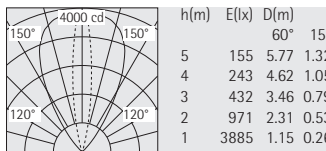
Spherolit lens, narrow spot
8W 760lm
covered flush
33613.000 Dim 33653.000 Dim



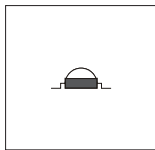
Spherolit lens, spot
18W 1710lm
covered flush
33615.000 Dim 33655.000 Dim



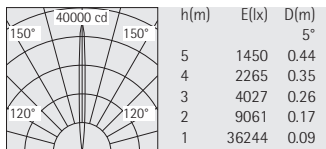
Spherolit lens, flood
18W 1710lm
covered flush
33617.000 Dim 33657.000 Dim



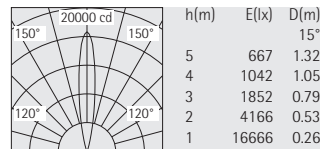
Spherolit lens, oval flood
18W 1710lm
covered flush
33619.000 Dim 33659.000 Dim



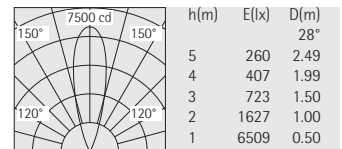
LED neutral white
4000K
Version 6



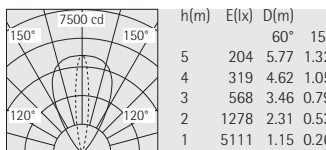
Spherolit lens, narrow spot
8W 1000lm
covered flush
33614.000 Dim 33654.000 Dim



Spherolit lens, spot
18W 2250lm
covered flush
33616.000 Dim 33656.000 Dim

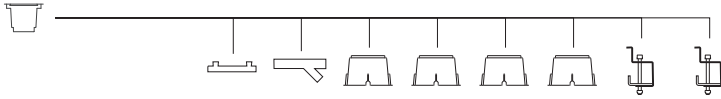


Spherolit lens, flood
18W 2250lm
covered flush
33618.000 Dim 33658.000 Dim



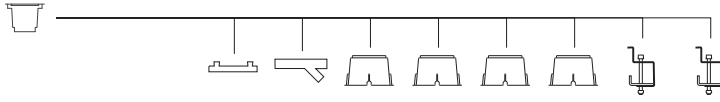
Spherolit lens, oval flood
18W 2250lm
covered flush
33620.000 Dim 33660.000 Dim

Tesis LED Accessories



	33958.000	33959.000	33964.000	33968.000	33969.000	33987.000	33988.000	33989.000
33023.000	•	•	•				•	
33024.000	•	•	•				•	
33025.000	•	•	•					
33026.000	•	•	•					
33027.000	•	•			•			•
33028.000	•	•			•			•
33029.000	•	•			•			
33030.000	•	•			•			
33033.000	•	•		•			•	
33034.000	•	•		•			•	
33035.000	•	•		•				
33036.000	•	•		•				
33037.000	•	•				•		•
33038.000	•	•				•		•
33039.000	•	•				•		
33041.000	•	•				•		
33580.000	•	•	•				•	
33581.000	•	•	•				•	
33582.000	•	•		•			•	
33583.000	•	•		•			•	
33584.000	•	•			•			•
33585.000	•	•			•			•
33586.000	•	•				•		•
33587.000	•	•				•		•
33588.000	•	•	•				•	
33589.000	•	•	•				•	
33590.000	•	•	•				•	
33591.000	•	•	•				•	
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33610.000	•	•			•			•
33611.000	•	•			•			•
33612.000	•	•			•			•
33613.000	•	•				•		•
33614.000	•	•				•		•
33615.000	•	•				•		•
33616.000	•	•				•		•
33617.000	•	•				•		•
33618.000	•	•				•		•
33619.000	•	•				•		•
33620.000	•	•				•		•
33621.000	•	•	•					
33622.000	•	•	•					
33623.000	•	•						
33624.000	•	•		•				
33625.000	•	•			•			
33626.000	•	•			•			
33627.000	•	•						
33628.000	•	•				•		
33629.000	•	•	•					
33630.000	•	•	•					
33631.000	•	•	•					
33632.000	•	•	•					

Tesis LED Accessories



	33958.000	33959.000	33964.000	33968.000	33969.000	33987.000	33988.000	33989.000
33633.000	•	•	•					
33634.000	•	•	•					
33635.000	•	•	•					
33636.000	•	•	•					
33637.000	•	•		•				
33638.000	•	•		•				
33639.000	•	•		•				
33640.000	•	•		•				
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33649.000	•	•			•			
33650.000	•	•			•			
33651.000	•	•			•			
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33656.000	•	•				•		
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33658.000	•	•				•		
33659.000	•	•				•		
33660.000	•	•				•		

Tesis LED Accessories



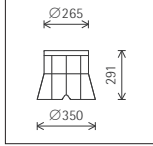
33958.000
Coupling sleeve
for max. 16mm
cable diameter.
Plastic conduit,
two-part PUR-
cast resin.
ø 26mm,
L 180mm.



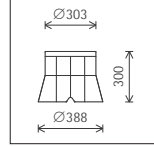
33959.000
Branching sleeve
for 8-23mm cable
diameter.
Plastic shell, two-
part PUR cast
resin.
L 150mm,
B 70mm, H 46mm.



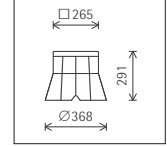
33964.000
Housing for recessed mounting
Plastic, black.
4 cable entries.



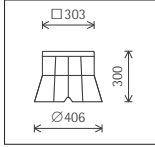
33968.000
Housing for recessed mounting
Plastic, black.
4 cable entries.



33969.000
Housing for recessed mounting
Plastic, black.
4 cable entries.



33987.000
Housing for recessed mounting
Plastic, black.
4 cable entries.



33988.000
Mounting kit
Mounting in hollow floors.
3 mounting brackets: corrosion-res-
istant stainless steel. Clamp extension
11-46mm.
Load: 20kN.
Floor aperture:
Size 5: ø 255mm
Size 7: ø 293mm



33989.000
Mounting kit
Mounting in hollow floors.
4 mounting brackets: Corrosion-res-
istant stainless steel. Clamp extension
11-46mm.
Load: 20kN.
Floor aperture:
Size 5: 255mmx255mm
Size 7: 293mmx293mm



Fascinating light effects

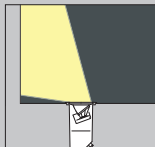
Tesis leaves all options open.

Be it directional luminaire, uplight, wallwasher or orientation lighting, Tesis has consistently set new standards in outdoor lighting. Primary consideration is given to long life and light quality. With diverse light distributions and its different shapes and sizes, Tesis leaves all options open to enhance façades and nature by adding fascinating light effects.



Wallwashing

Vertical illuminance for brightening the surroundings and segmenting the exterior landscape.



Lens wallwashers

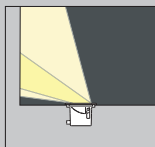
Asymmetrical light distribution for highly uniform wallwashing.

LED

24W
2280lm - 3000lm

Metal halide lamps

20W - 150W
1650lm - 15000lm

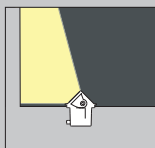
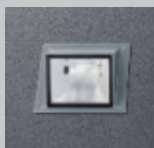


Focal wallwashers

Asymmetrical light distribution for wall lighting with focal emphasis in the lower area.

Metal halide lamps

20W - 70W
1800lm - 7750lm



Wallwashers

Asymmetrical light distribution for highly uniform wallwashing with light spread from directly above the ground.

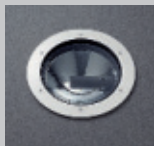
Metal halide lamps

35W - 70W
4000lm - 7750lm



Accentuation

Emphasis of objects or architectural elements.

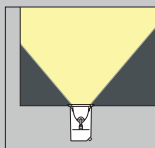
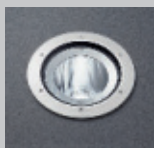


Adjustable uplights

Very narrow beam, rotationally symmetrical light distribution for accent lighting.

Metal halide lamps

20W - 35W
1650lm - 4000lm



Uplights

Very wide beam, rotationally symmetrical light distribution for accent lighting.

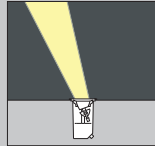
Metal halide lamps

20W - 150W
1650lm - 15000lm

Tesis In-ground luminaires



Accentuation
Emphasis of objects or architectural elements.



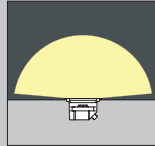
Directional luminaires
Narrow to wide beam, rotationally symmetrical light distribution for accent lighting.

Metal halide lamps
20W - 150W
1650lm - 15000lm
Light distribution: Spot

Metal halide reflector lamps
35W - 70W
2000lm - 4850lm

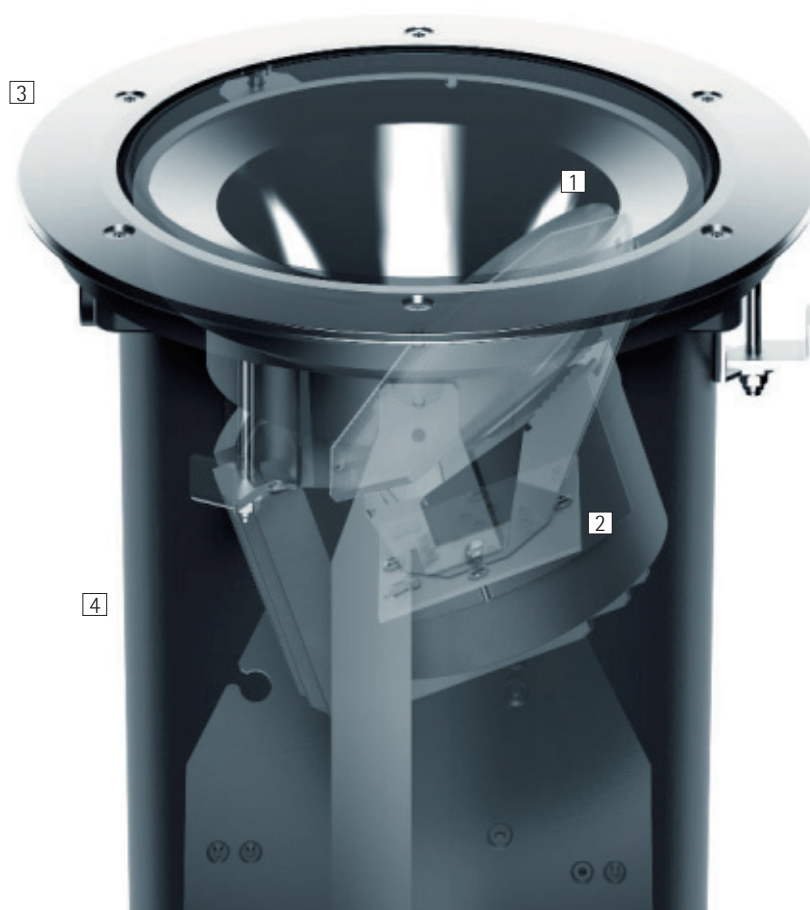


Orientation lighting
Points of light for providing orientation points and lines.



In-ground luminaires
Wide beam, rotationally symmetrical light distribution for orientation.

LED
8W
760lm - 1000lm



Structure and characteristics
The features described here are typical of products in this range. Special versions may offer additional or varying features. A comprehensive description of the features of individual products can be found on our ERCO Light Scout website. The direct links for quick access always take the same form:

www.erco.com/<article number>

Detailed information on the features is provided from page 663.

1 ERCO Darklight reflector

- Cut-off angle 40°
- Aluminium, silver, bright anodised
- Wallwasher lens

2 ERCO LED module

- High-power LEDs on metal-core PCB
- Light colours: warm white or neutral white
- Reflector for mixing light: aluminium, silver anodised, mirror-finish

3 Cover ring or cover frame

- Covered mounting detail
- Corrosion-resistant stainless steel
- Safety glass: 12mm or 15mm, clear or white enamelled
- Can be driven over by vehicles with pneumatic tyres
- Load 40kN or 65kN

4 Housing

- Only to be used with recessed housing
- Corrosion-resistant cast aluminium, No-Rinse surface treatment
- Double powder-coated black
- Mounting by means of swing bolts: clamp range 5-40mm or 11-46mm
- Cable 3x1.5mm² or cable 5x1.5mm² (DALI)
- Installation with separate connection sleeve or junction box
- On site protection must be provided using a residual current circuit breaker FI<=30mA
- Control gear:**
- Switchable or DALI dimmable

Protection mode IP68


Dust-tight. Protected against the results of continuous submersion up to a depth of 3m

Special characteristics

 Excellent uniformity

 Available in round or square

 ERCO high-power LEDs

 Cut-off 40°

 Different light colours

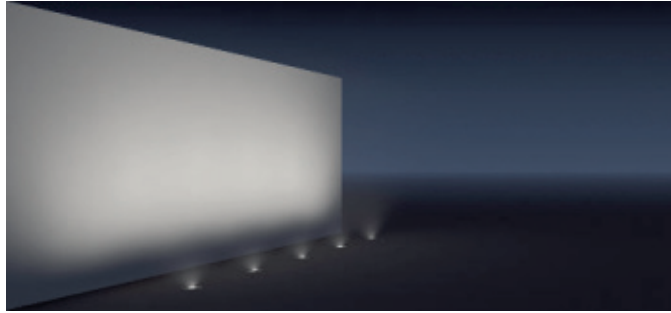
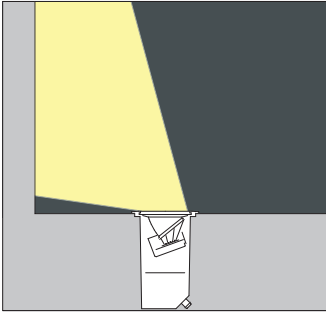
 Excellent thermal management

 IP68 Protection mode IP68

 Switchable

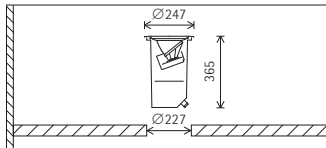
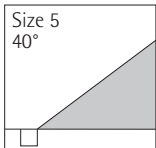
 DALI DALI dimmable

Tesis In-ground luminaire Lens wallwasher with LED



⏻ – **switchable**
Electronic control gear. When installed in the ground, only to be used with recessed housing. Installation with separate connection sleeve. On site protection must be provided using a residual current circuit breaker, FI<=30mA.

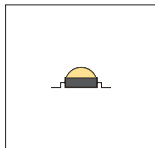
DALI – dimmable
DALI control gear. When installed in the ground, only to be used with recessed housing. Installation with separate connection sleeve. On site protection must be provided using a residual current circuit breaker, FI<=30mA.



Covered mounting detail

Weight 5.90kg - 6.10kg

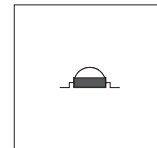
Wattage:
24W
2280lm - 3000lm



LED warm white
3000K
Version 6

Mean illuminance E _n (wall)				
Wall height (m)	3.0			
Offset from wall (m)	1.00	1.00	1.25	1.25
Luminaire spacing (m)	1.00	1.25	1.25	1.75
Illuminance E _n (lx)	123	100	83	60

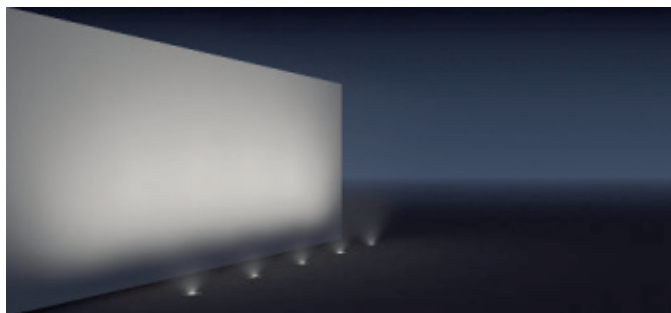
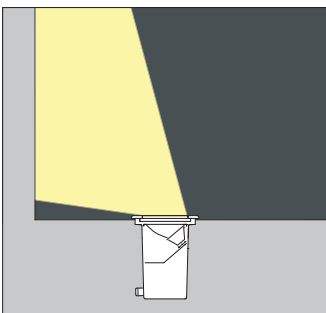
24W 2280lm covered
33663.000 ⏻
33664.000 DALI



LED neutral white
4000K
Version 6

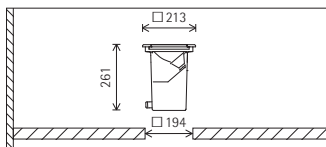
Mean illuminance E _n (wall)				
Wall height (m)	3.0			
Offset from wall (m)	1.00	1.00	1.25	1.25
Luminaire spacing (m)	1.00	1.25	1.25	1.75
Illuminance E _n (lx)	162	131	109	79

24W 3000lm covered
33661.000 ⏻
33662.000 DALI



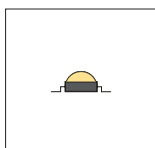
⏻ – **switchable**
Electronic control gear. When installed in the ground, only to be used with recessed housing. Installation with separate junction box. On site protection must be provided using a residual current circuit breaker, FI<=30mA.

DALI – dimmable
DALI control gear. When installed in the ground, only to be used with recessed housing. Installation with separate junction box. On site protection must be provided using a residual current circuit breaker, FI<=30mA.



Covered mounting detail

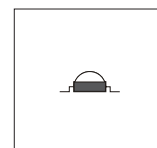
Weight 5.20kg



LED warm white
3000K
Version 6

Mean illuminance E _n (wall)				
Wall height (m)	4.0			
Offset from wall (m)	1.00	1.25	1.25	1.25
Luminaire spacing (m)	1.25	1.00	1.25	1.75
Illuminance E _n (lx)	140	154	128	94

24W 2280lm covered
33667.000 ⏻
33668.000 DALI

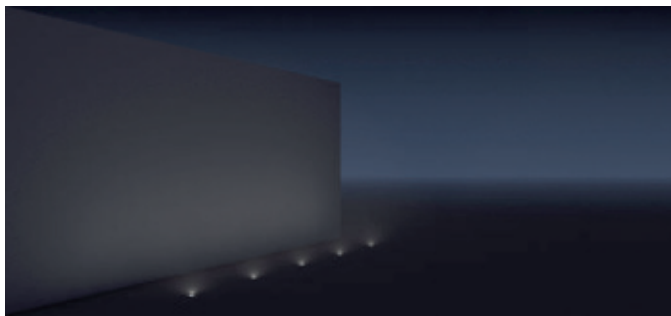
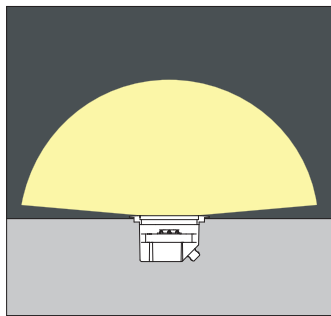


LED neutral white
4000K
Version 6

Mean illuminance E _n (wall)				
Wall height (m)	4.0			
Offset from wall (m)	1.00	1.00	1.25	1.25
Luminaire spacing (m)	1.25	1.50	1.25	1.75
Illuminance E _n (lx)	184	156	169	124

24W 3000lm covered
33665.000 ⏻
33666.000 DALI

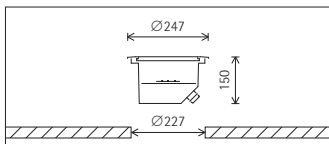
Tesis In-ground luminaire with LED



⏻ – switchable
Electronic control gear. When installed in the ground, only to be used with recessed housing. Installation with separate connection sleeve. On site protection must be provided using a residual current circuit breaker, $I_{\Delta n} \leq 30\text{mA}$.

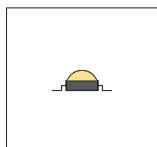
DALI – dimmable
DALI control gear. When installed in the ground, only to be used with recessed housing. Installation with separate connection sleeve. On site protection must be provided using a residual current circuit breaker, $I_{\Delta n} \leq 30\text{mA}$.

Wattage:
8W - 10W



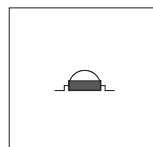
Covered mounting detail

Weight 3.60kg - 4.80kg



8W 760lm covered
33669.000 ⏻

LED warm white
3000K
Version 6



8W 1000lm covered
33707.000 ⏻

LED neutral white
4000K
Version 6



Compagnie Marocaine des Œuvres et Objets d'Art, Casablanca. Architecture and lighting design: Cabinet d'architecture et design Wail Elmir; Agence Ufographic, Vincent Monnot, Casablanca.



Structure and characteristics

The features described here are typical of products in this range. Special versions may offer additional or varying features. A comprehensive description of the features of individual products can be found on our ERCO Light Scout website. The direct links for quick access always take the same form:

www.erco.com/<article number>

Detailed information on the features is provided from page 663.

1 ERCO reflector

High Beam reflector (adjustable uplight):

- Aluminium, silver, mirror-finish anodised
- Cut-off angle 80°

Darklight reflector or wallwasher reflector:

- Cut-off angle 30°, 40° or 50°
- Aluminium, silver, bright anodised
- Diffuser, wallwasher lens or Softec lens

2 Lampholder carrier

- Directional luminaire 0°-20° tilt and 360° rotation

3 Anti-glare element (adjustable uplight)

- Metal
- Beam adjustable up to 15°
- Without spill light

4 Cover ring or cover frame

- Covered mounting detail
- Corrosion-resistant stainless steel
- Safety glass: 12mm or 15mm, clear
- Can be driven over by vehicles with pneumatic tyres
- Load 40kN or 65kN

or

Wallwasher

- Covered mounting detail
- Corrosion-resistant cast aluminium, No-Rinse surface treatment
- Graphit m, double powder-coated
- Softec lens as safety glass
- Cannot be driven over by vehicles

5 Housing

- Only to be used with recessed housing
- Corrosion-resistant cast aluminium, No-Rinse surface treatment
- Double powder-coated black
- Mounting by means of swing bolts: clamp range 5-40mm or 11-46mm
- Cable 3x1.5mm²
- Electronic control gear
- Installation with separate connection sleeve or junction box
- On site protection must be provided using a residual current circuit breaker FI<=30mA

Protection mode IP68

Dust-tight. Protected against the results of continuous submersion up to a depth of 3m

Special characteristics



High lumen packages for very high illuminances



Available in round or square



Cut-off 30°/40°/50°



Different sizes

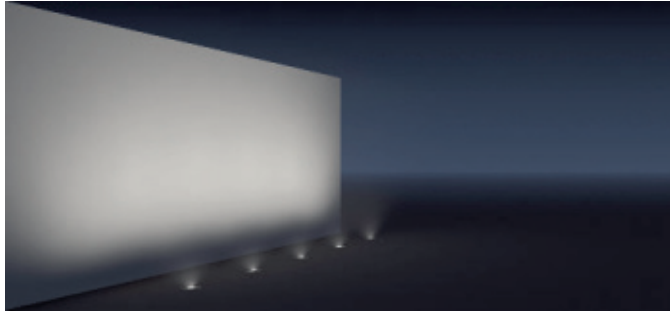
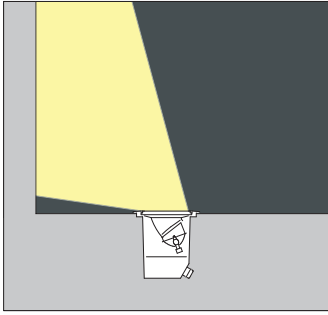


Protection mode IP68

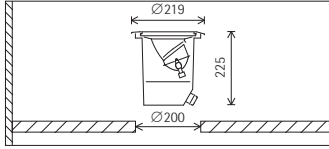
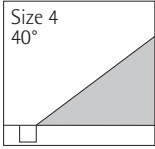


Switchable

Tesis In-ground luminaire Lens wallwasher for metal halide lamps



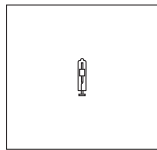
⏻ – **switchable**
Electronic control gear. When installed in the ground, only to be used with recessed housing. Installation with separate connection sleeve. On site protection must be provided using a residual current circuit breaker, FI<=30mA.



Covered mounting detail

Weight 3.10kg

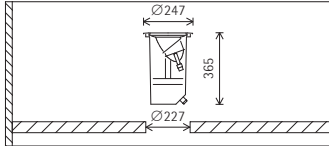
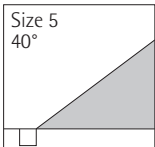
Wattage:
20W
1650lm



HIT-TC-CE

Mean illuminance E _n (wall)				
Wall height (m)	3.0			
Offset from wall (m)	1.00	1.00	1.25	1.25
Luminaire spacing (m)	1.00	1.25	1.25	1.50
Illuminance E _n (lx)	118	95	72	60

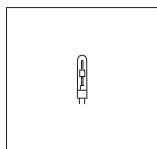
20W PGJ5 1650lm covered
33704.000 ⏻



Covered mounting detail

Weight 6.30kg

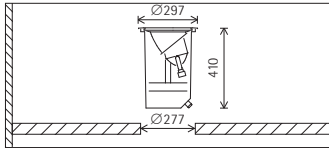
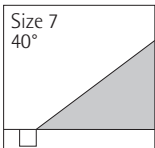
Wattage:
35W
4000lm



HIT-TC-CE

Mean illuminance E _n (wall)				
Wall height (m)	4.0			
Offset from wall (m)	1.25	1.25	1.50	1.50
Luminaire spacing (m)	1.25	1.50	1.50	1.75
Illuminance E _n (lx)	216	181	152	130

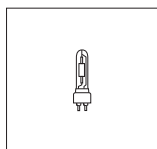
35W G8.5 4000lm covered
33715.000 ⏻



Covered mounting detail

Weight 9.00kg

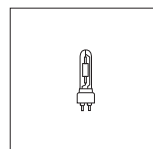
Wattage:
70W - 150W
7750lm -
15000lm



HIT-CE

Mean illuminance E _n (wall)				
Wall height (m)	6.0			
Offset from wall (m)	1.75	1.75	2.00	2.00
Luminaire spacing (m)	1.75	2.00	2.00	2.50
Illuminance E _n (lx)	169	149	134	108

70W G12 7750lm covered
33723.000 ⏻

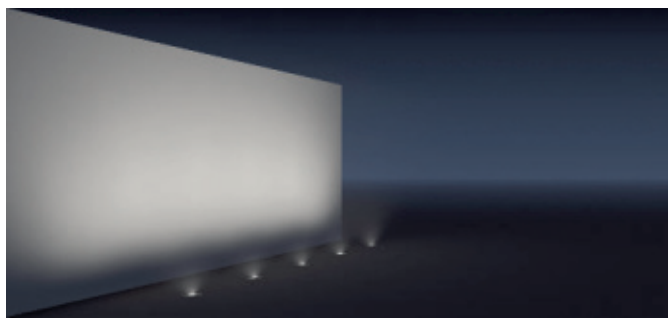
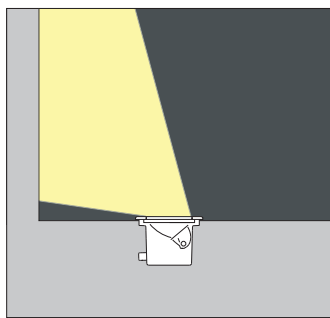


HIT-CE

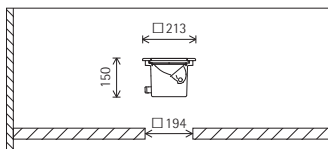
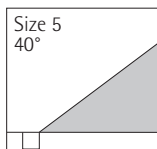
Mean illuminance E _n (wall)				
Wall height (m)	10.0			
Offset from wall (m)	2.50	2.50	3.50	3.50
Luminaire spacing (m)	2.50	3.00	3.50	4.50
Illuminance E _n (lx)	179	151	100	79

150W G12 15000lm covered
33729.000 ⏻

Tesis In-ground luminaire Lens wallwasher for metal halide lamps



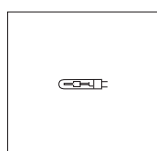
☼ – **switchable**
 Electronic control gear. When installed in the ground, only to be used with recessed housing. Installation with separate junction box. On site protection must be provided using a residual current circuit breaker, FI<=30mA.



Covered mounting detail

Weight 4.20kg - 4.80kg

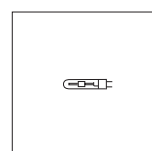
Wattage:
 20W - 35W
 1800lm - 4000lm



HIT-TC-CE

Mean illuminance E _n (wall)				
Wall height (m)	3.0			
Offset from wall (m)	1.00	1.00	1.25	1.25
Luminaire spacing (m)	1.00	1.25	1.25	1.75
Illuminance E _n (lx)	160	131	112	82

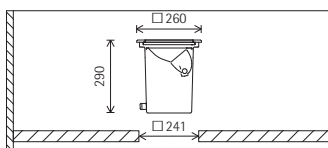
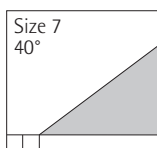
20W G8.5 1800lm covered
33672.000 ☼



HIT-TC-CE

Mean illuminance E _n (wall)				
Wall height (m)	4.0			
Offset from wall (m)	1.50	1.50	1.75	1.75
Luminaire spacing (m)	1.50	1.75	1.75	2.50
Illuminance E _n (lx)	176	153	136	97

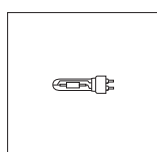
35W G8.5 4000lm covered
33677.000 ☼



Covered mounting detail

Weight 6.50kg

Wattage:
 70W
 7750lm



HIT-CE

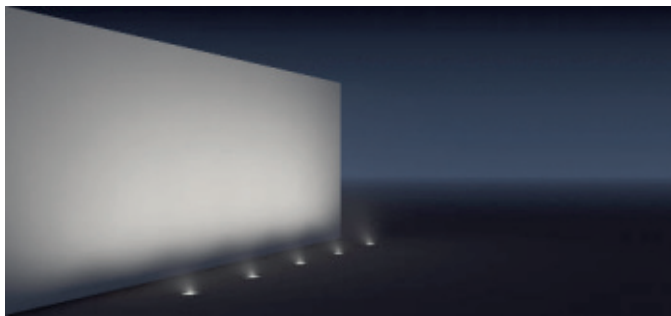
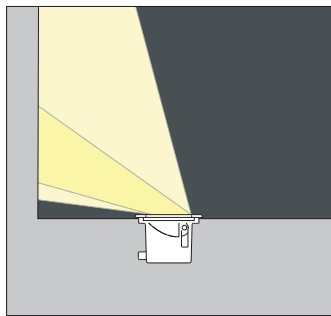
Mean illuminance E _n (wall)				
Wall height (m)	6.0			
Offset from wall (m)	1.75	1.75	2.00	2.00
Luminaire spacing (m)	1.75	2.00	2.00	3.00
Illuminance E _n (lx)	283	252	234	161

70W G12 7750lm covered
33685.000 ☼

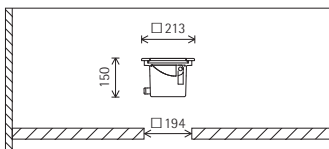
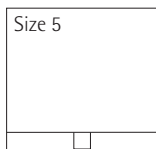
Fallersleben Castle, Wolfsburg.



Tesis In-ground luminaire Focal wallwasher for metal halide lamps



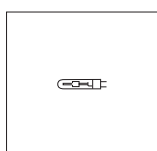
⏻ – **switchable**
 Electronic control gear. When installed in the ground, only to be used with recessed housing. Installation with separate junction box. On site protection must be provided using a residual current circuit breaker, FI<=30mA.



Covered mounting detail

Weight 4.20kg - 4.80kg

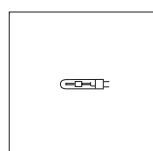
Wattage:
 20W - 35W
 1800lm - 4000lm



HIT-TC-CE

Mean illuminance E _n (wall)				
Wall height (m)	3.0			
Offset from wall (m)	1.00	1.25	1.50	1.50
Luminaire spacing (m)	1.25	1.50	1.75	2.25
Illuminance E _n (lx)	83	60	44	35

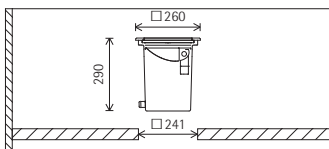
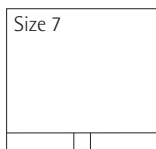
20W G8.5 1800lm covered
33671.000 ⏻



HIT-TC-CE

Mean illuminance E _n (wall)				
Wall height (m)	4.0			
Offset from wall (m)	1.50	1.75	2.00	2.00
Luminaire spacing (m)	1.75	2.00	2.25	3.00
Illuminance E _n (lx)	98	76	60	46

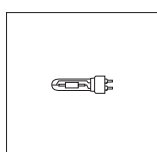
35W G8.5 4000lm covered
33675.000 ⏻



Covered mounting detail

Weight 6.10kg

Wattage:
 70W
 7750lm



HIT-CE

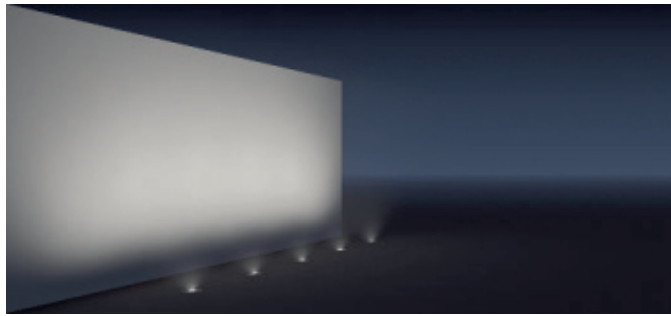
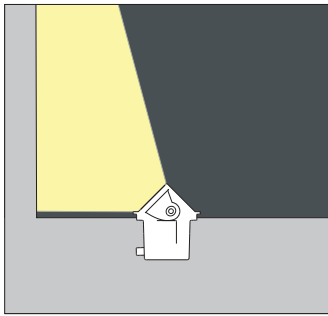
Mean illuminance E _n (wall)				
Wall height (m)	6.0			
Offset from wall (m)	2.00	2.50	3.00	3.00
Luminaire spacing (m)	2.25	3.00	3.50	4.50
Illuminance E _n (lx)	115	79	61	48

70W G12 7750lm covered
33682.000 ⏻



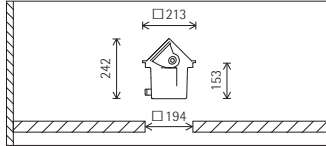
Museum im Palais,
 Graz. Architect:
 Riegler Riewe
 Architekten, Graz.
 Lighting design:
 Gerald P. Marko,
 Graz. Exhibition
 design: Dr. Eva
 Marko, Graz.

Tesis In-ground luminaire Wallwasher for metal halide lamps



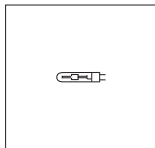
⏻ – **switchable**
 Electronic control gear. When installed in the ground, only to be used with recessed housing. Installation with separate junction box. On site protection must be provided using a residual current circuit breaker, FI<=30mA.

Wattage:
 35W
 4000lm



Covered mounting detail

Weight 3.40kg

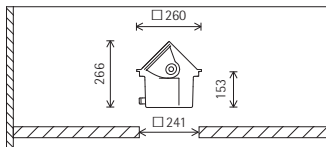


HIT-TC-CE

Mean illuminance E_n (wall)				
Wall height (m)	4.0			
Offset from wall (m)	1.75	1.75	2.00	2.00
Luminaire spacing (m)	1.75	2.25	2.00	3.00
Illuminance E_n (lx)	220	171	180	120

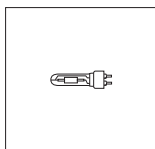
35W G8.5 4000lm covered
33689.000 ⏻

Wattage:
 70W
 7750lm



Covered mounting detail

Weight 5.00kg

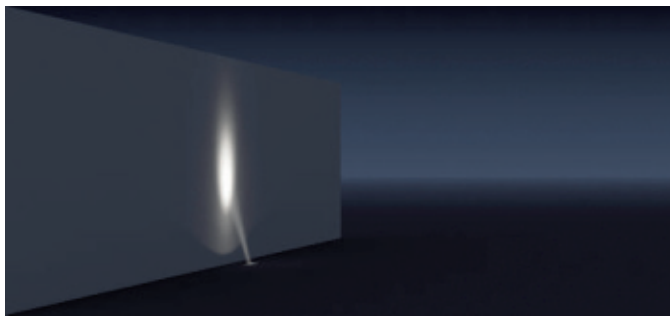
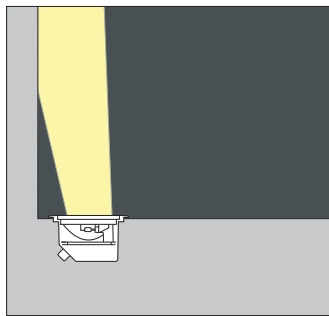


HIT-CE

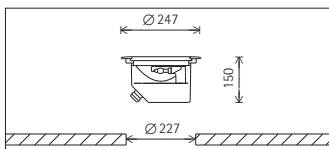
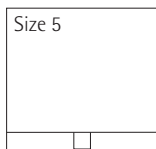
Mean illuminance E_n (wall)				
Wall height (m)	6.0			
Offset from wall (m)	2.50	2.50	3.00	3.00
Luminaire spacing (m)	2.50	3.00	3.00	4.00
Illuminance E_n (lx)	202	168	150	112

70W G12 7750lm covered
33691.000 ⏻

Tesis In-ground luminaire Adjustable uplight for metal halide lamps



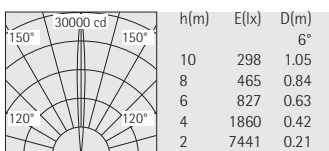
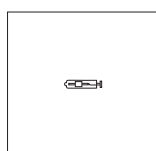
⏻ – **switchable**
 Electronic control gear. When installed in the ground, only to be used with recessed housing. Installation with separate connection sleeve. On site protection must be provided using a residual current circuit breaker, FI<=30mA.



Covered mounting detail

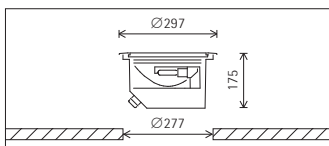
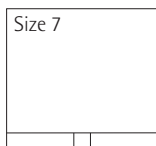
Weight 3.60kg

Wattage:
 20W
 1650lm



HIT-TC-CE

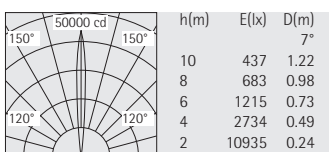
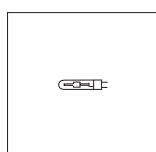
20W PGJ5 1650lm covered
33706.000 ⏻



Covered mounting detail

Weight 5.30kg

Wattage:
 35W
 4000lm



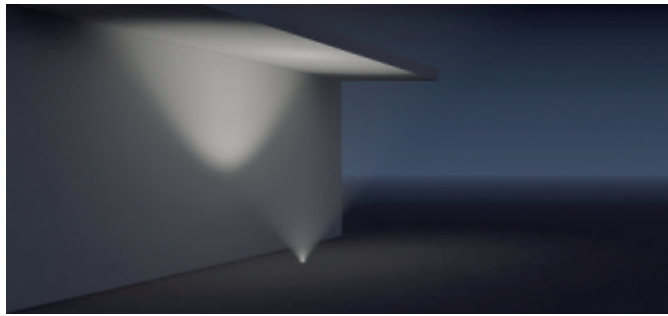
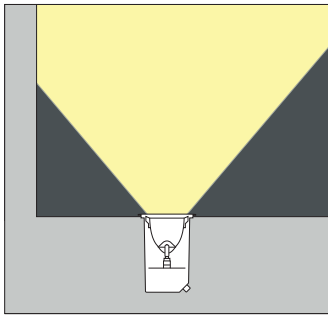
HIT-TC-CE

35W G8.5 4000lm covered
33711.000 ⏻

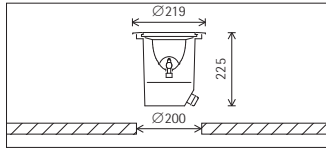
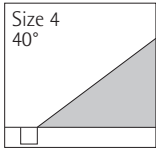


The square Tesis models have been completely re-designed with the emphasis on different wallwasher characteristics.

Tesis In-ground luminaire Uplight for metal halide lamps



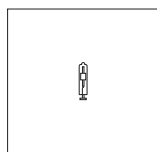
⏻ – switchable
Electronic control gear. When installed in the ground, only to be used with recessed housing. Installation with separate connection sleeve. On site protection must be provided using a residual current circuit breaker, FI<=30mA.



Covered mounting detail

Weight 3.10kg

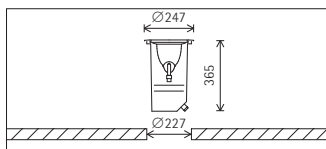
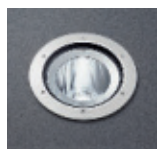
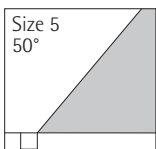
Wattage:
20W
1650lm



h(m)	E(lx)	D(m)
5	57	3.64
4	89	2.91
3	158	2.18
2	354	1.46
1	1418	0.73

HIT-TC-CE

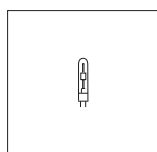
20W PGJ5 1650lm covered
33702.000 ⏻



Covered mounting detail

Weight 6.00kg

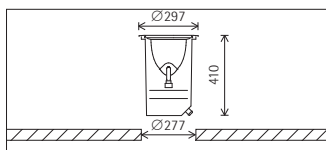
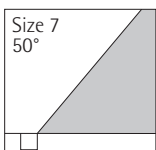
Wattage:
35W
4000lm



h(m)	E(lx)	D(m)
5	118	4.66
4	184	3.73
3	328	2.80
2	737	1.87
1	2950	0.93

HIT-TC-CE

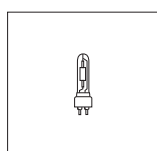
35W G8.5 4000lm covered
33713.000 ⏻



Covered mounting detail

Weight 8.70kg

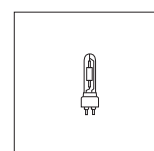
Wattage:
70W - 150W
7750lm - 15000lm



h(m)	E(lx)	D(m)
5	378	2.87
4	590	2.29
3	1050	1.72
2	2362	1.15
1	9446	0.57

HIT-CE

70W G12 7750lm covered
33721.000 ⏻

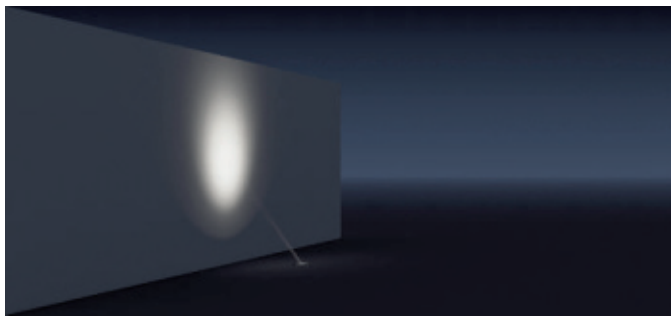
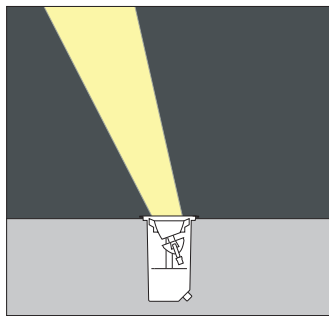


h(m)	E(lx)	D(m)
10	197	5.73
8	308	4.59
6	547	3.44
4	1231	2.29
2	4926	1.15

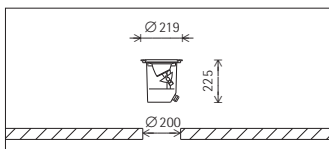
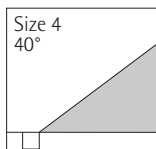
HIT-CE

150W G12 15000lm covered
33709.000 ⏻

Tesis In-ground luminaire Directional luminaire for metal halide lamps



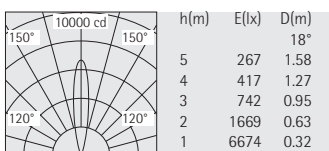
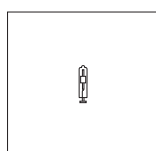
⏻ – switchable
Electronic control gear. When installed in the ground, only to be used with recessed housing. Installation with separate connection sleeve. On site protection must be provided using a residual current circuit breaker, FI<=30mA.



Covered mounting detail

Weight 3.10kg

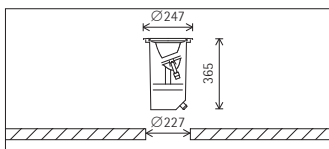
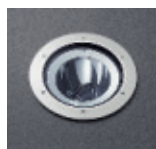
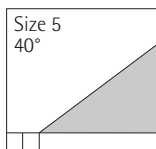
Size 4
40°



Wattage:
20W
1650lm

HIT-TC-CE

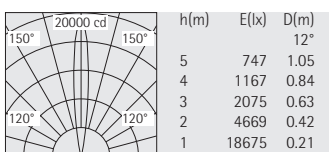
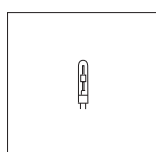
Spot reflector
20W PGJ5 1650lm
covered
33703.000 ⏻



Covered mounting detail

Weight 6.30kg

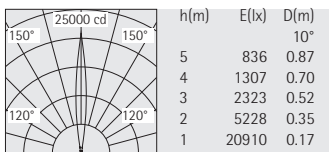
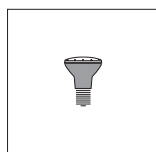
Size 5
40°



Wattage:
35W
2000lm - 4000lm

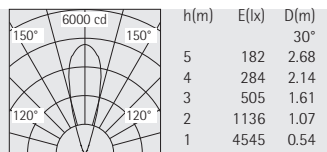
HIT-TC-CE

Spot reflector
35W G8.5 4000lm
covered
33717.000 ⏻



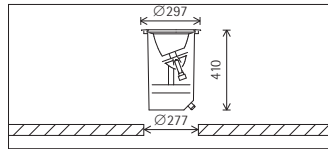
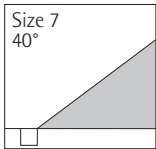
HIPAR 20-CE-P

35W E27 10°
covered
33719.000 ⏻



35W E27 30°

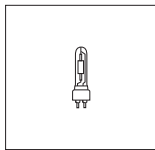
Tesis In-ground luminaire Directional luminaire for metal halide lamps



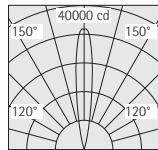
Covered mounting detail

Weight 9.00kg

Wattage:
70W - 150W
7750lm -
15000lm

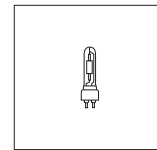


HIT-CE

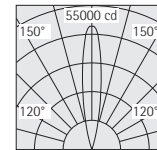


Spot reflector
70W G12 7750lm
covered
33725.000 ⏻

h(m)	E(lx)	D(m)
5	1335	1.32
4	2087	1.05
3	3710	0.79
2	8346	0.53
1	33386	0.26



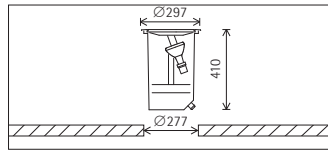
HIT-CE



Spot reflector
150W G12 15000lm
covered
33739.000 ⏻

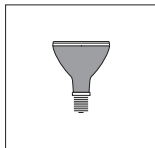
h(m)	E(lx)	D(m)
10	471	2.99
8	735	2.39
6	1307	1.79
4	2941	1.20
2	11763	0.60

Wattage:
70W
4850lm

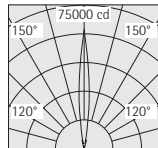


Covered mounting detail

Weight 9.00kg

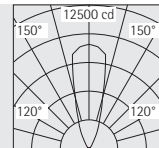


HIPAR 30-CE-P



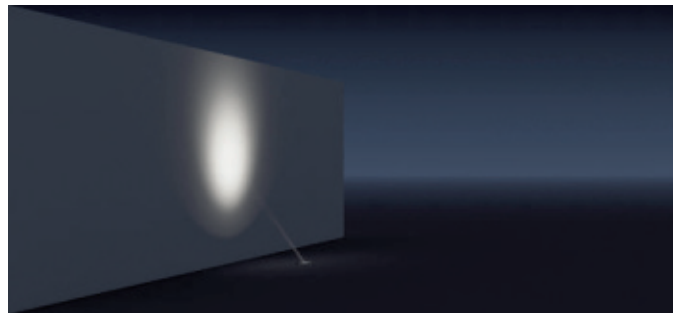
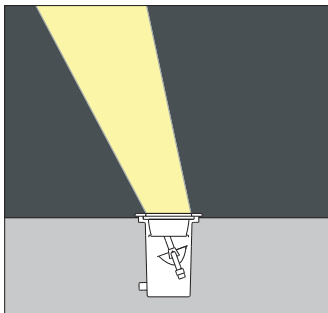
70W E27 10°
covered
33727.000 ⏻

h(m)	E(lx)	D(m)
5	2473	0.87
4	3864	0.70
3	6869	0.52
2	15455	0.35
1	61818	0.17



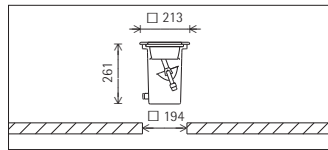
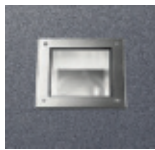
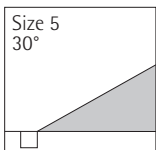
70W E27 40°

h(m)	E(lx)	D(m)
5	364	2.68
4	568	2.14
3	1010	1.61
2	2273	1.07
1	9091	0.54



⏻ – switchable

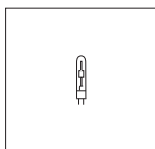
Electronic control gear. When installed in the ground, only to be used with recessed housing. Size 5: Installation with separate junction box. On site protection must be provided using a residual current circuit breaker, FI<=30mA.



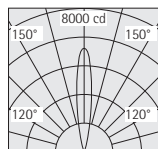
Covered mounting detail

Weight 4.80kg

Wattage:
20W - 35W
1800lm - 4000lm

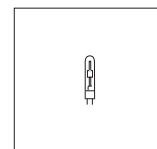


HIT-TC-CE

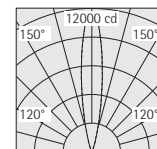


20W G8.5 1800lm
covered
33670.000 ⏻

h(m)	E(lx)	D(m)
5	231	1.41
4	361	1.12
3	642	0.84
2	1444	0.56
1	5776	0.28



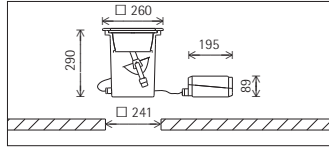
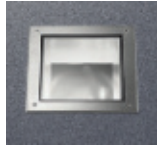
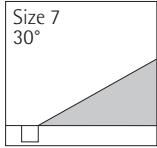
HIT-TC-CE



35W G8.5 4000lm
covered
33673.000 ⏻

h(m)	E(lx)	D(m)
5	438	1.14
4	685	0.91
3	1218	0.68
2	2740	0.46
1	10960	0.23

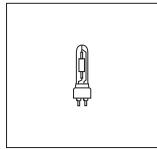
Tesis In-ground luminaire Directional luminaire for metal halide lamps



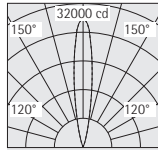
Covered mounting detail

Weight 7.30kg - 7.70kg

Wattage:
70W - 150W
7750lm -
15000lm

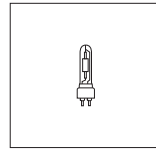


HIT-CE

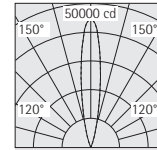


70W G12 7750lm
covered
33679.000 Ⓞ

h(m)	E(lx)	D(m)
5	1078	1.05
4	1684	0.84
3	2993	0.63
2	6735	0.42
1	26940	0.21



HIT-CE



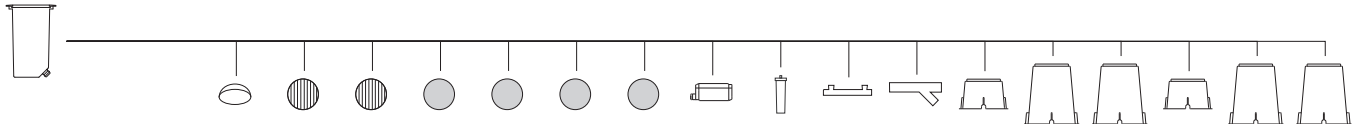
150W G12 15000lm
covered
33688.000 Ⓞ

h(m)	E(lx)	D(m)
5	1578	1.14
4	2465	0.91
3	4383	0.68
2	9861	0.46
1	39445	0.23

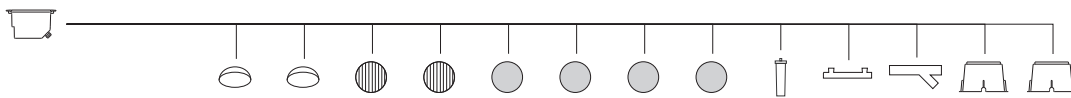


Färdig Betong
Conference
Centre, Mör-
rum. Architect:
Anders Törnqvist
Arkitektkontor AB,
Karlskrona.

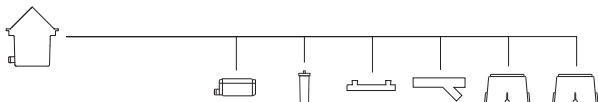
Tesis Accessories



	33950.000	33951.000	74473.000	83927.000	83992.000	83998.000	74471.000	83929.000	83985.000	83993.000	74468.000	83928.000	83986.000	83994.000	33699.000	34974.000	33958.000	33959.000	33734.000	33962.000	33963.000	33694.000	33696.000	33697.000
33661.000	•														•	•	•			•				
33662.000	•														•	•	•			•				
33663.000	•														•	•	•			•				
33664.000	•														•	•	•			•				
33665.000															•	•	•						•	
33666.000															•	•	•						•	
33667.000															•	•	•						•	
33668.000															•	•	•						•	
33670.000															•	•	•						•	
33671.000															•	•	•					•		
33672.000															•	•	•					•		
33673.000															•	•	•					•		
33675.000															•	•	•					•		
33677.000															•	•	•					•		
33679.000															•	•	•						•	
33682.000															•	•	•						•	
33685.000															•	•	•						•	
33688.000															•	•	•						•	
33702.000															•	•	•		•					
33703.000															•	•	•		•					
33704.000															•	•	•		•					
33709.000		•													•	•	•					•		
33713.000	•														•	•	•			•				
33715.000	•														•	•	•			•				
33717.000	•		•			•					•				•	•	•			•				
33719.000	•		•			•					•				•	•	•			•				
33721.000		•													•	•	•					•		
33723.000		•													•	•	•					•		
33725.000		•				•					•				•	•	•					•		
33727.000		•				•					•				•	•	•					•		
33729.000		•				•					•				•	•	•					•		
33739.000		•				•					•				•	•	•					•		



	33950.000	33951.000	33952.000	33953.000	33956.000	33957.000	33954.000	33955.000	34974.000	33958.000	33959.000	33960.000	33961.000
33669.000									•	•	•	•	
33706.000	•		•		•		•		•	•	•	•	
33707.000									•	•	•	•	
33711.000		•		•		•		•	•	•	•	•	•

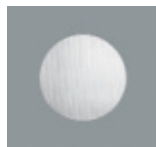


	33699.000	34974.000	33958.000	33959.000	33694.000	33695.000
33689.000	•	•	•	•	•	
33691.000	•	•	•	•	•	•

Tesis Accessories



33950.000
33951.000
Domed glass
Cannot be driven over by vehicles. To prevent accumulation of dirt.
Load: 5kN.



33952.000
33953.000
Sculpture lens



74473.000
83927.000
Sculpture lens



83992.000
83998.000
Sculpture lens



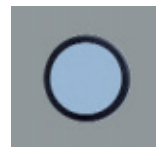
33956.000
33957.000
74471.000
83929.000
Skintone filter



83985.000
83993.000
Skintone filter



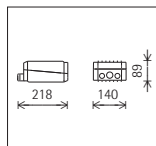
33954.000
33955.000
74468.000
83928.000
Daylight conversion filter



83986.000
83994.000
Daylight conversion filter



33699.000
Junction box
Cast aluminium, powder-coated black. 2 screwed cable glands for cable diameters of 5-14mm. 2x20mm, 2x25mm cable glands can be fitted on site (not supplied). Protection mode IP68 3m: protection against dust ingress, and continuous immersion up to 3m deep.
Weight 1.20kg



34974.000
Distribution box, IP68
With four cable entries, 7-25mm. Plastic.
ø 102mm, L 305mm.
Weight 0.47kg



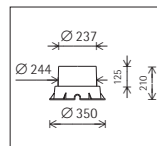
33958.000
Coupling sleeve for max. 16mm cable diameter. Plastic conduit, two-part PUR-cast resin.
ø 26mm, L 180mm.



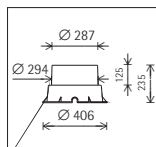
33959.000
Branching sleeve for 8-23mm cable diameter. Plastic shell, two-part PUR cast resin.
L 150mm, B 70mm, H 46mm.



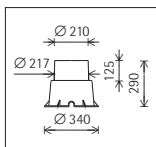
33960.000
Housing for recessed mounting
Corrosion-resistant cast aluminium, No-Rinse surface treatment. Black double powder-coated. 2 cable entries.
Weight 2.70kg



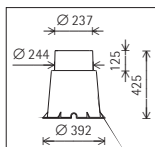
33961.000
Housing for recessed mounting
Corrosion-resistant cast aluminium, No-Rinse surface treatment. Black double powder-coated. 2 cable entries.
Weight 3.80kg



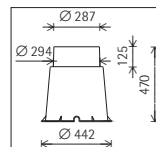
33734.000
Housing for recessed mounting
Corrosion-resistant cast aluminium, No-Rinse surface treatment. Black double powder-coated. 2 cable entries.
Weight 2.90kg



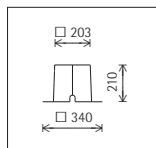
33962.000
Housing for recessed mounting
Corrosion-resistant cast aluminium, No-Rinse surface treatment. Black double powder-coated. 2 cable entries.
Weight 5.80kg



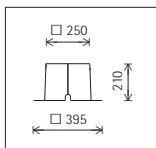
33963.000
Housing for recessed mounting
Corrosion-resistant cast aluminium, No-Rinse surface treatment. Black double powder-coated. 2 cable entries.
Weight 7.00kg



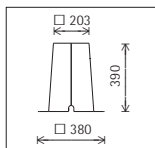
33694.000
Housing for recessed mounting
Corrosion-resistant aluminium, No-Rinse surface treatment. Black double powder-coated. 2 cable entries.
Not for junction box 33699.
Weight 2.60kg



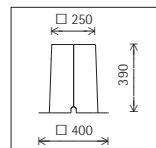
33695.000
Housing for recessed mounting
Corrosion-resistant aluminium, No-Rinse surface treatment. Black double powder-coated. 2 cable entries.
Not for junction box 33699.
Weight 3.20kg



33696.000
Housing for recessed mounting
Corrosion-resistant aluminium, No-Rinse surface treatment. Black double powder-coated. 2 cable entries.
Weight 4.80kg



33697.000
Housing for recessed mounting
Corrosion-resistant aluminium, No-Rinse surface treatment. Black double powder-coated. 2 cable entries.
Weight 5.50kg





Right to the point

High-quality light for guidance and orientation

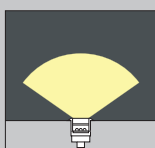
Be it white or RGB – the LED orientation luminaires illuminate pathways, mark out entrances, contribute to safety on stairs, and identify architectural lines. Stainless steel covers and scratch-resistant glass ensure that the orientation luminaires will function as high-quality lighting tools illuminating your architecture for years to come. Their special optical components make these orientation luminaires highly vis-

ible even in bright surroundings. Functions such as dimming and rapid or gradual fading add to their quality as the perfect partner for safety and networked building technology. Featuring the same LED-performance as other ERCO lighting tools, these luminaires can easily be combined with other ERCO solutions. Their low energy consumption means up to forty luminaires can be connected per driver.

LED orientation luminaires



Orientation lighting
Points of light for providing orientation points and lines.



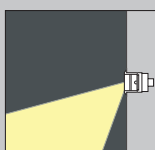
Orientation luminaires
Rotationally symmetrical light distribution for orientation.

LED
11m - 24lm

LED varychrome
1W



Washlighting
Wide-beam illumination of pathways and open areas.



Floor washlights
Asymmetrical light distribution for ground illumination.

LED
17lm - 24lm



Structure and characteristics

The features described here are typical of products in this range. Special versions may offer additional or varying features. A comprehensive description of the features of individual products can be found on our ERCO Light Scout website. The direct links for quick access always take the same form:

www.erco.com/<article number>

Detailed information on the features is provided **from page 663**.

1 ERCO LED module

- Light colours: warm white, neutral white, blue or varychrome RGB

Floor washlight

- Reflector: plastic, aluminium vaporised, silver, matt

2 Cover ring

- Corrosion-resistant stainless steel
- 6mm safety glass
- Load 5kN
- Prismatic lens with point light aperture

3 Installation bush with ribs


- Plastic
- Housing with gasket: stainless steel
- **12V and 24V:**
 - Cable 2x0.75mm² or 4x0.75mm²
 - Control gear to be ordered separately
- **230V:**
 - **Switchable**
 - 2-core cable
 - On site protection must be provided using a residual current circuit breaker, FI<=30mA


Protection mode IP68

Dust-tight. Protected against the results of continuous submersion up to a depth of 3m

Special characteristics

 Coloured light

 Small luminaire dimensions

 Floor washlight



ERCO LEDs



Different light colours



Excellent thermal management



Different sizes

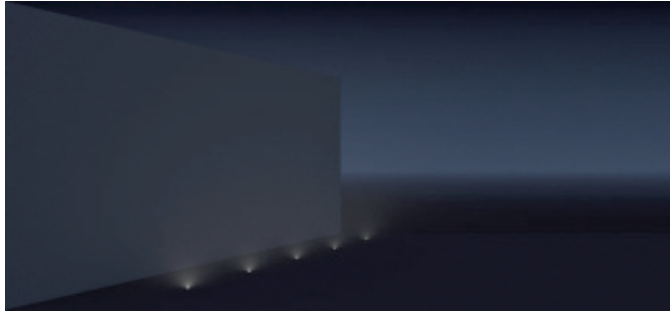
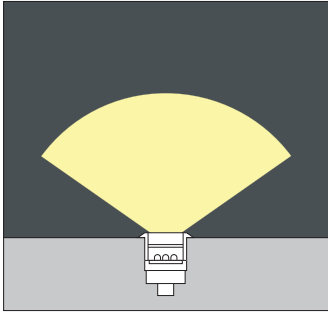


Protection mode IP68



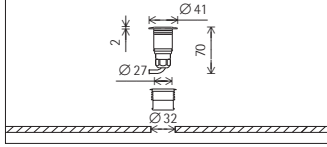
Switchable

LED orientation luminaire

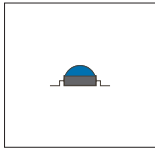


Version without control gear
Control gear unit to be ordered separately. Varychrome RGB: dimmable with control gear unit 33898.000.

Wattage:
0.3W
1lm - 5lm

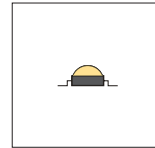


Weight 0.10kg



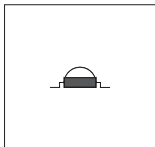
0.3W 1lm
Silver
33756.000

LED blue
Version 1



0.3W 3lm
Silver
33754.000

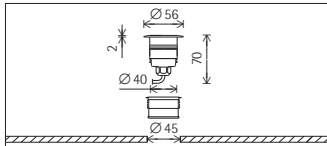
LED warm white
3000K
Version 1



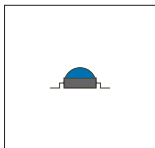
0.3W 5lm
Silver
33755.000

LED neutral white
4000K
Version 1

Wattage:
0.6W - 1.5W
6lm - 24lm

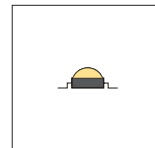


Weight 0.14kg - 0.16kg



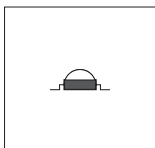
0.6W 6lm
Silver
33759.000

LED blue
Version 1



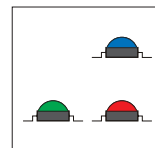
0.6W 17lm
Silver
33757.000

LED warm white
3000K
Version 1



0.6W 24lm
Silver
33758.000

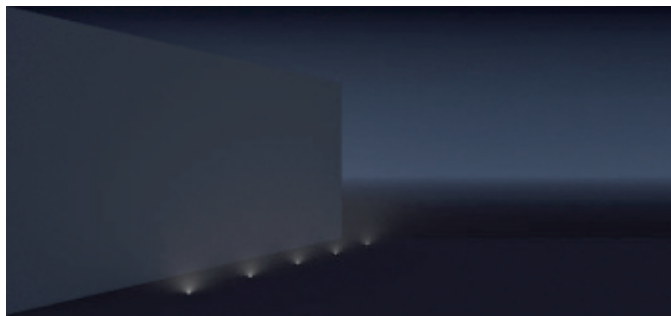
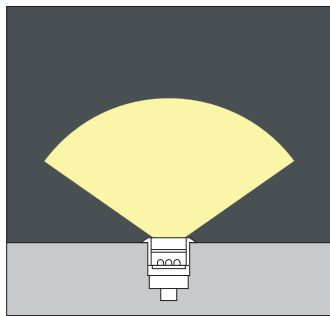
LED neutral white
4000K
Version 1



1.5W
Silver
33785.000

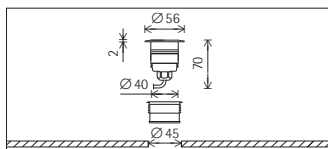
LED red, green,
blue

LED orientation luminaire

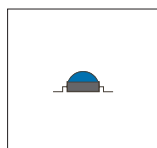


Switchable version
On site protection must be provided using a residual current circuit breaker, FI<=30mA.

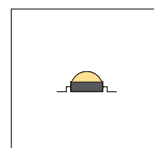
Wattage:
0.8W
6lm - 24lm



Weight 0.14kg



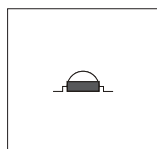
0.8W 6lm
Silver
33774.000



0.8W 17lm
Silver
33772.000

LED blue
Version 1

LED warm white
3000K
Version 1



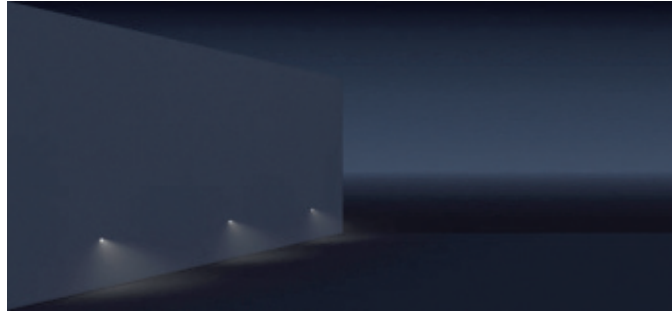
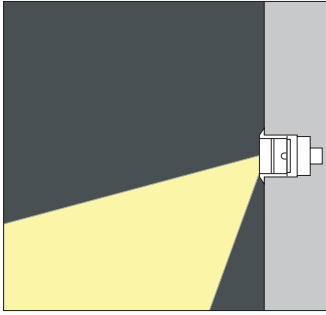
0.8W 24lm
Silver
33773.000

LED neutral white
4000K
Version 1

Biblioteca Foral de Bizkaia, Bilbao.
Architect and lighting designer: IMB Arquitectos, Bilbao.

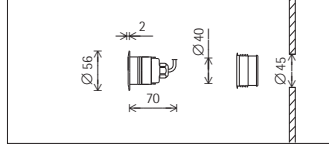


LED orientation luminaire Floor washlight

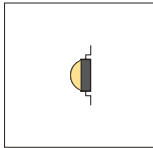


Version without control gear
Control gear to be ordered separately.

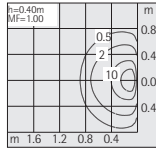
Wattage:
0.6W
17lm - 24lm



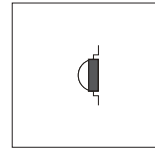
Weight 0.14kg



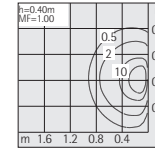
LED warm white
3000K
Version 1



0.6W 17lm
Silver
33752.000



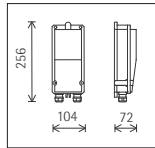
LED neutral white
4000K
Version 1



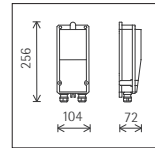
0.6W 24lm
Silver
33753.000

LED orientation luminaires Accessories

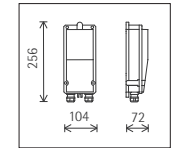
Suitable accessories for each article are indicated on the relevant product specification sheet. Product specification sheets are available in ERCO's Light Scout at: www.erco.com/<article number>



33775.000
Control gear, switchable for max. 40 LED orientation luminaires. Input voltage 220-240V AC, 50-60Hz, 13W max. Output voltage 12V DC SELV. Max. cable length 40m. Protection mode IP67: dust-proof and protected against the results of temporary immersion. Weight 0.56kg



33776.000
Control gear, switchable for max. 10 LED orientation luminaires. Input voltage 220-240V AC, 50-60Hz, 7W max. Output voltage 24V DC SELV. Max. cable length 40m. Protection mode IP67: dust-proof and protected against the results of temporary immersion. Weight 0.56kg



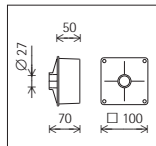
33898.000
DALI
DALI control gear for 6 Nadir recessed floor luminaires or 10 LED orientation luminaires max-imum. Input voltage 220-240V AC, 50-60Hz, 25W max., DALI signal. Output voltage 3x24V DC PWM. Max. cable length 10m. Protection mode IP67: dust-proof and protected against the results of temporary immersion. Weight 0.58kg



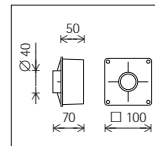
34974.000
Distribution box, IP68
With four cable entries, 7-25mm. Plastic. ϕ 102mm, L 305mm. Weight 0.47kg



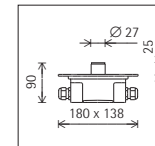
33872.000
Housing for recessed mounting for covered mounting in plastered walls. Weight 0.09kg



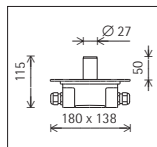
33873.000
Housing for recessed mounting for covered mounting in plastered walls. Weight 0.09kg



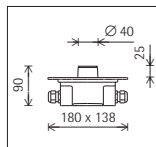
33885.000
Recessed housing IP67 for installation in concrete floors or compressed substrate with 25mm surface covering. Cast aluminium, double powder-coated black. 2 cable entries with IP67 threads. Through-wiring possible. 4-pole terminal block. Connection cable, L 300mm. Protection mode IP67: dust-proof and protected against the results of temporary immersion. Weight 0.70kg



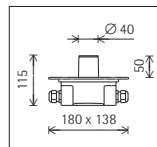
LED orientation luminaires Accessories



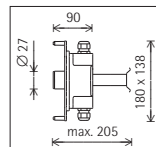
33886.000
Recessed housing IP67 for installation in concrete floors or compressed natural ground with 50mm floor covering. Cast aluminium, double powder-coated black. 2 cable entries with IP67 threads. Through-wiring possible. 4-pole terminal block. Connection cable, L 300mm. Protection mode IP67: dust-proof and protected against the results of temporary immersion. Weight 0.70kg



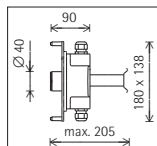
33893.000
Recessed housing IP67 for installation in concrete floors or compressed substrate with 25mm surface covering. Cast aluminium, double powder-coated black. 2 cable entries with IP67 threads. Through-wiring possible. 4-pole terminal block. Connection cable, L 300mm. Protection mode IP67: dust-proof and protected against the results of temporary immersion. Weight 0.70kg



33894.000
Recessed housing IP67 for installation in concrete floors or compressed natural ground with 50mm floor covering. Cast aluminium, double powder-coated black. 2 cable entries with IP67 threads. Through-wiring possible. 4-pole terminal block. Connection cable, L 300mm. Protection mode IP67: dust-proof and protected against the results of temporary immersion. Weight 0.70kg



33897.000
Recessed housing IP67 for installation in concrete wall. Cast aluminium, double powder-coated black. 2 cable entries with IP67 threads. Through-wiring possible. 4-pole terminal block. Connection cable, L 300mm. Protection mode IP67: dust-proof and protected against the results of temporary immersion. Weight 0.75kg



33896.000
Recessed housing IP67 for installation in concrete wall. Cast aluminium, double powder-coated black. 2 cable entries with IP67 threads. Through-wiring possible. 4-pole terminal block. Connection cable, L 300mm. Protection mode IP67: dust-proof and protected against the results of temporary immersion. Weight 0.75kg



33876.000
Tool kit for mounting in cable ducts.

Vin Contoret wine dealers, Tidaholm. Architect: White Arkitekter AB, Gothenburg. Lighting designer: White Design AB, Gothenburg, PeO Ottosson Elkon-sult, Jönköping.

