LED
CREATING TOMORROW

Light is state-of-the-art
OEM LED Program 2015

OSRAM brings together outstanding future-proof LED lamps, modules, drivers and controls for professional lighting partners.

Light is OSRAM

OSRAM

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OEM LED Program 2015
OSRAM brings together outstanding future-proof LED lamps, modules, drivers and
controls for professional lighting partners.

Light is state-of-the-art

world lighting giant #2

OSRAM

among global companies
in the lighting market

365 days innovation generation

luminaires + solutions

professional, private, projects and services

worldwide revenue

€ 5,288.7 million

with net income of €33.6 million and revenue
growth 11.4% in SSL technologies

**award-winning symbiosis
of form and functionion**

SITECO

designer luminaires for professional,
private, projects and services solutions

**remarkable technology
breakthrough**

OLED

cutting edge flexible light source
with endless possibilities

**over 5,000 installations
worldwide**

TRAXON & e:cue

dynamic lighting solutions and
controls for professional projects

over 100 years of experience with light

General Illumination

promoting sense of well-being and productivity
by capitalising on the right light source

more than 8,000 LED patents

lamps + components

retrofit, ballasts, LED modules, drivers, controls

radiates in perfect harmony

Arts

photometric measurement technology
and custom luminaire construction

Equity Growth

11.3%

€ 2,169.3 million as of
September 30, 2013

50% to 75% energy savings

ENCELIUM

lighting control and energy
management systems

lights alleviates pain

Medical

biologically effective light therapy
program for medical centers

**world #1 supplier of automotive
lamps for vehicles**

Specialty Lighting

automotive lighting and display optic solutions in
projection, medical, airfield, microlithography

**most trusted performance
and design car lamps**

Automotive

optimized luminous efficacy and visual
design in motion with light

a pioneer of lighting technologies

Opto Semiconductors

future-proof components for general lighting,
automotive, industrial, consumer electronics,
medical applications

OSRAM is your perfect partner for light

As the integrated lighting expert and premium provider, OSRAM plays a leading role in the lighting market. With state-of-the-art technology, best brand quality, appealing prices and professional sales support, we are your perfect partner in the lighting business, both now and in the future.

A focus on light

The OSRAM brand has been standing for innovative and sustainable light for more than 100 years. Today we are the only globally active pure lighting group and one of the world's leading light manufacturers. We cover the complete value-added chain with our portfolio, ranging from LED chips, modules, components, lamps, luminaires and light management systems to comprehensive, customer-specific lighting solutions and complex project business.

Conforming with standards

Global "lighting regulations" and especially European ones have become more stringent, and target the widespread use of energy-efficient light sources. All OSRAM products already meet all legal standards and regulations in the respective countries from the start.

Highly effective support

OSRAM not only knows the best way to produce ideal light – we are also experts on how to market it professionally. You can always depend on our support.

OSRAM is designing the future of light.

The global lighting market is currently undergoing fundamental changes. Regulatory changes are accelerating the introduction and development of semi-conductor-based products (SSL), while the demand for traditional products is declining. At the same time, falling prices for LED components and products, particularly in the field of general illumination, have increased the attraction of more widespread use in many market segments. Technological changes also offer major opportunities for growth and new solutions for our customers.

Our innovative, tailor-made solutions for the entire spectrum of lighting create added value for our customers all around the world. As the only globally-active, pure lighting group with a strong brand, we are the leading player on the market and set standards in our industry.

Our product range includes vertically integrated products and solutions along the entire chain of added lighting value, from light sources including lamps, components and optical semiconductors, through control gear, complete luminaires, light management systems and lighting solutions. OSRAM is THE integrated lighting expert.

In keeping with the slogan "Light is OSRAM," the OSRAM brand supports customers by providing lighting solutions for all areas of life such as in the home, at educational and professional facilities, and in all facets of public spaces. In addition to being energy efficient, OSRAM products and solutions also provide positive biological effects such as the ability to concentrate and a sense of well-being — improving quality of life through quality of light.
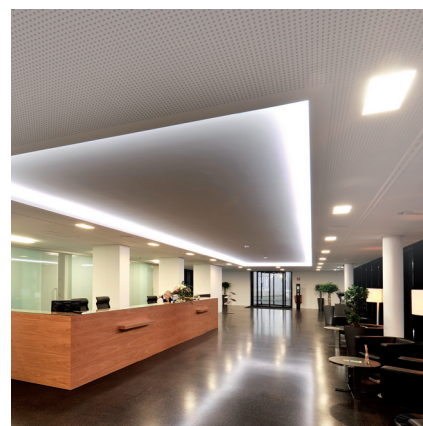
Light with latest LED technology for you

Light Management Systems   70

Meeting individual lighting demands and saving energy at the same time is easy with light management systems from OSRAM – our solutions for efficient LED lighting projects.

Lighting solutions for today with excellent efficiency

LED technology from OSRAM provides perfect illumination for all areas of application

LED Modules
LED modules can be used in the most varied areas of application, from general lighting through decorative and architectural lighting, right up to illuminated advertising. Both design and technical development can vary greatly, in order to meet the most varied requirements with LED technology.

Electronic control gear (OPTOTRONIC®)
The lead in technology provides guaranteed future. The OSRAM OPTOTRONIC control gear family consists of highly innovative products for controlling LED modules. It supports the departure towards an energy-efficient future.
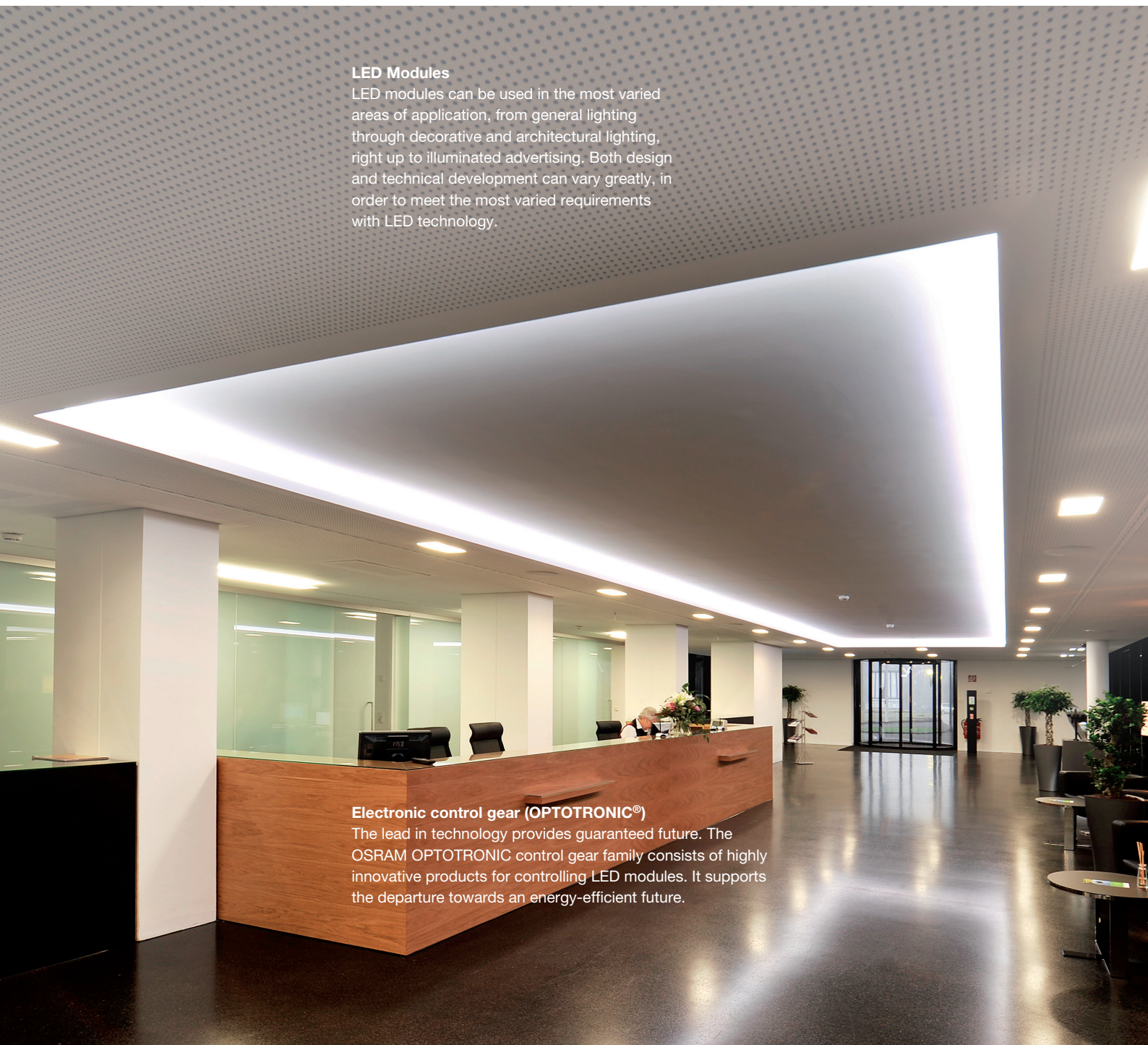
LED Light Engines
Thanks to fixed interfaces, LED light engines from OSRAM are the ideal platform for future-proof developments in LED luminaires. Read what is special about these modules, how they are called and why they are best suited to design-in in LED luminaires.

Background information:
Standardization of LED light engines

The Zhaga consortium is an industry-wide cooperation of luminaire manufacturers, lamp manufacturers, producers of LED modules and suppliers in the lighting industry. The Zhaga consortium aims to standardize LED light sources (LED light engine = LED module + cable + control gear).
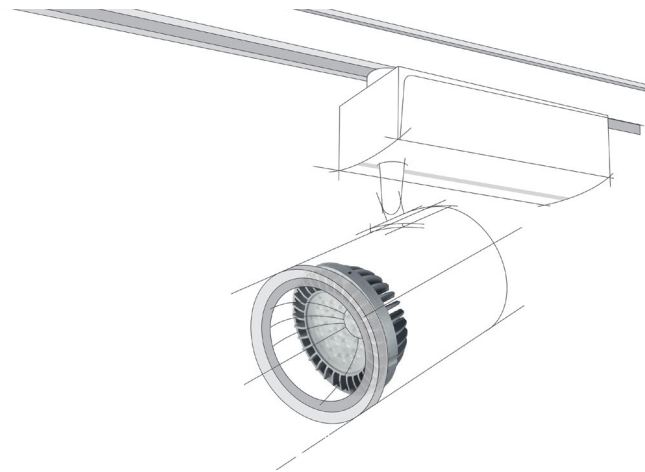
The interchangeability of LED light engines is achieved by defining interfaces for a variety of application-specific light engines while providing room for improvement in LED and driver technology. The Zhaga standards cover the physical dimensions, as well as the photometric, electrical and thermal specifications of various LED light engines.

The Zhaga consortium was established in February 2010 and currently includes more than 170 companies worldwide. OSRAM AG is a full member. Members meet regularly in different regions of the world. Large parts of the new PrevaLED® Core portfolio meet the Zhaga specification book 3 for "spot light source systems with separate electronic control gear".

Zhaga

Making LED light sources interchangeable.

Innovative LED technology from OSRAM provides major benefits for luminaire manufacturers, lighting designers and end users alike.

Due to their outstanding energy efficiency, high light quality and numerous application possibilities, LEDs are today's most flexible sources of light. Their ruggedness, along with their extremely long service life, ensures low maintenance requirements and long replacement intervals, and thus leads to lower total cost of ownership over time.

LED products from OSRAM can be installed and used almost anywhere. They provide perfect illumination in domestic, industrial or office environments. They create a pleasant ambience in restaurants, hotels, shops and other public places. Outdoors, they can be used to highlight architectural details, such as facades, towers or entire buildings, to name just a few.

As the highly competent and experienced manufacturer, OSRAM offers a broad range of LED products – from LED lamps, modules, light engines, drivers and controllers to entire luminaires. Even customised LED modules can be produced in order to meet individual requirements. And thanks to perfectly matched components, everything can be easily combined, creating highly efficient, easy to use LED system solutions.
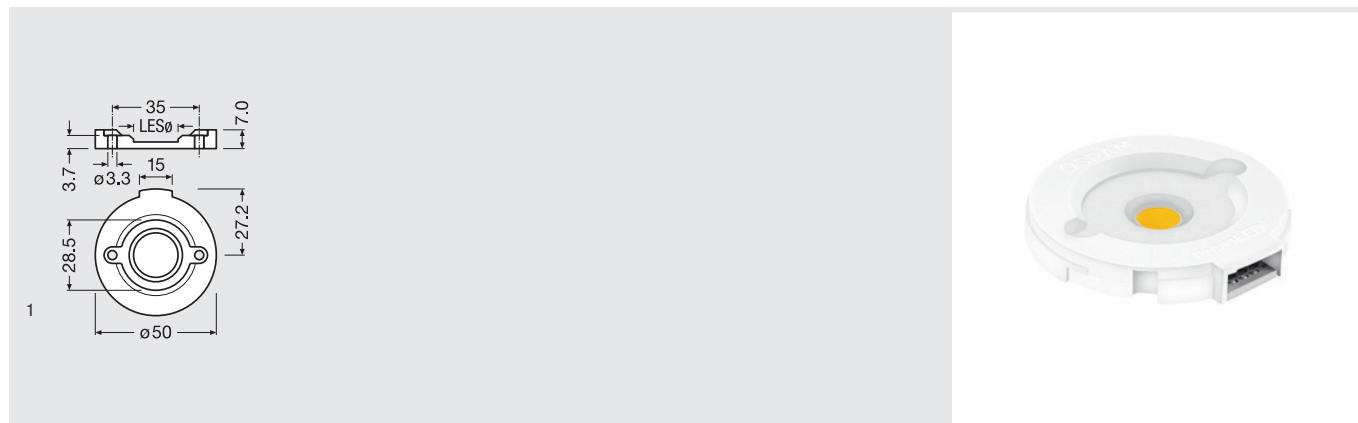
LED Light Engines

Thanks to fixed interfaces, LED light engines from OSRAM are the ideal platform for future-proof developments in LED luminaires. Learn about the features and benefits of these modules, and why they are best suited to design-in LED luminaires.

LED Light Engines

LED Light Engines | Contents

PrevaLED® Core Z4

Product Reference	Product number	Voltage [V]	Current [mA]	System wattage [W]	Color temp. [K]	CRI [R$_a$]	System luminous flux [lm]	System luminous efficacy [lm/W]	Diameter Light Emitting Surface	Lifespan [h] L70/B50	Initial SDCM	Fig. no.
PL-CORE-Z4-2000-827**	4052899915213	46.3	395	18.0	2700	80	2000	109	19	50000	≤3	1
PL-CORE-Z4-2000-830	4052899915220	46.0	380	17.5	3000	80	2000	114	19	50000	≤3	1
PL-CORE-Z4-2000-835**	4052899915237	45.6	355	17.0	3500	80	2000	124	19	50000	≤3	1
PL-CORE-Z4-2000-840	4052899915244	45.3	340	15.4	4000	80	2000	130	19	50000	≤3	1
PL-CORE-Z4-2000-930	4052899915251	47.2	450	21.2	3000	90	2000	94	19	50000	≤3	1
PL-CORE-Z4-3000-827**	4052899915268	45.6	590	28.0	2700	80	3000	112	19	50000	≤3	1
PL-CORE-Z4-3000-830	4052899915275	45.3	565	25.6	3000	80	3000	117	19	50000	≤3	1
PL-CORE-Z4-3000-835**	4052899915282	45.0	540	24.0	2700	80	3000	123	19	50000	≤3	1
PL-CORE-Z4-3000-840	4052899915299	44.8	515	23.1	4000	80	3000	130	19	50000	≤3	1
PL-CORE-Z4-3000-930	4052899915305	46.4	670	31.1	3000	90	3000	97	19	50000	≤3	1
PL-CORE-Z4-5000-830	4052899915312	43.4	960	41.7	3000	80	5000	108	19	50000	≤3	1
PL-CORE-Z4-5000-835**	4052899915329	43.0	860	36.8	3500	80	5000	122	19	50000	≤3	1
PL-CORE-Z4-5000-840	4052899915336	42.7	860	36.8	4000	80	5000	122	19	50000	≤3	1
PL-CORE-Z4-4500-930	4052899915343	44.6	1140	50.9	3000	90	4500	88	19	50000	≤3	1

**make to order

Product features
— Module for Spot & Downlights with external Driver
— Complete portfolio
  - 2000lm - 3000lm - 5000lm
  - 2700K - 3000K - 3500K - 4000K
  - CRI >80- CRI >90
— Dimension: Ø 50 x 7mm

Product benefits
— Easy design-in
  - Compatible with all Zhaga Book 3 accessories
  - 1 Reflector: 3 x LES19 for 2000lm, 3000lm and 5000lm
  - Poke-ins for stranded and solid wires
— Small heat sink
  - Efficacy: up to 130lm/W (Module, typ)
  - Tc max: 90°C
— System approach
  - System match & warranty
  - With On/off and intelligent OPTOTRONIC® ECG ranges
— Thermal protection
  - Reversible shutdown build in on module
  - Thermal derating (and auto calibration) with OTi

Areas of application
— Shop (track spots, cardan lights, recessed spot)
— Office (corridor, meeting room)
— Hospitality (lobby, corridor, room, restaurant)

PrevaLED® Core AC
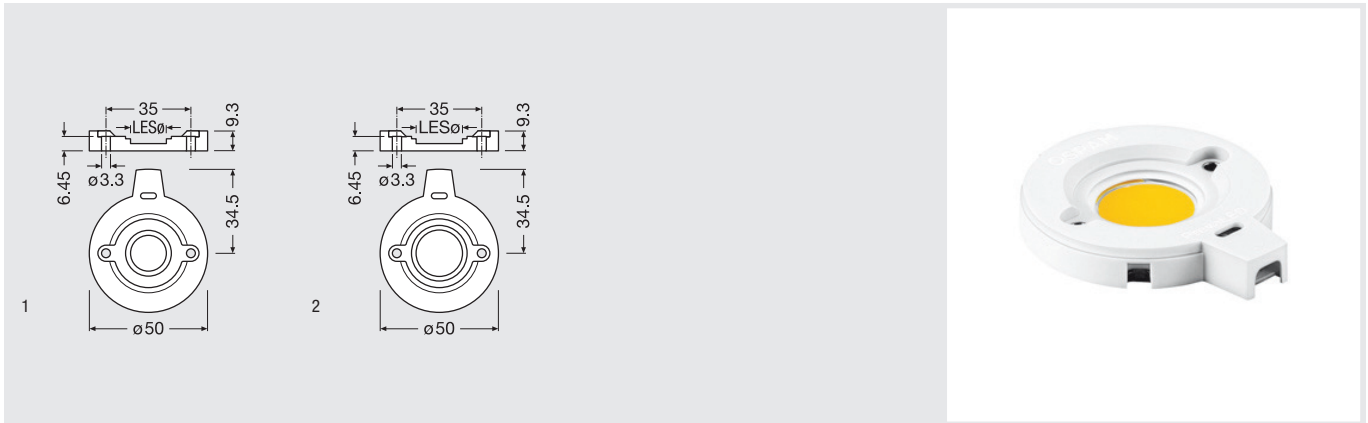
Product reference	Product number	Rated voltage [V]	Current [mA]	System wattage [W]	Color temp. [K]	CRI [Ra]	System luminous flux [lm]	System luminous efficacy [lm/W]	Diameter Light Emitting Surface	Lifespan [h] L70/B50	Initial SDCM	Fig. no.
PL-CORE AC-800-827**	4052899050648	220-240	600	14	2700	>80	800	59	13.5	50000	≤3	1
PL-CORE AC-800-830	4052899050662	220-240	600	13.1	3000	>80	800	60	13.5	50000	≤3	1
PL-CORE AC-800-840	4052899050686	220-240	600	12.6	4000	>80	800	62	13.5	50000	≤3	1
PL-CORE AC-2000-827**	4052899050709	220-240	1300	26.2	2700	>80	2000	76	19	50000	≤3	2
PL-CORE AC-2000-830	4052899050723	220-240	1300	25.7	3000	>80	2000	78	19	50000	≤3	2
PL-CORE AC-2000-840	4052899050747	220-240	1300	24.4	4000	>80	2000	82	19	50000	≤3	2

**make to order

Product features

— LED light engine with integrated driver
— Light emitting surface, diameter, mounting holes positioning according to Zhaga Book 3
— Poke-in wire connection (no special connector required)
— Available with luminous flux: 800lm, 2000lm
— System efficacy: up to 82lm/W
— Color temperature: 2700K, 3000K or 4000K
— Color rendering index R_a: typ. 83
— Maximum housing temperature: 80°C at t_c point
— Initial color consistency: ≤3 SDCM
— Power factor: >0.95

Product benefits

— Connect directly to 220-240V AC mains voltage for class 1 luminaires
— No external driver required
— Enabling low cost and compact luminaire designs
— Simplified logistics as no external driver or special cables are required
— Enhanced safety thanks to protective cover glass and reversible thermal shutdown
— Easy to integrate thanks to compatibility with Zhaga book 3 heat sink and reflector
— Reduced luminaire cost thanks to cheaper light engine and less housing material
— Uniform Chip-On-Board technology with great homogeneity, no diffuser required

Areas of application

— Spotlighting in shops
— Down light and wall lighting in offices, corridors, meeting rooms, workplaces
— Decorative and functional lighting in the hospitality industry

PrevaLED® Core AC PRO
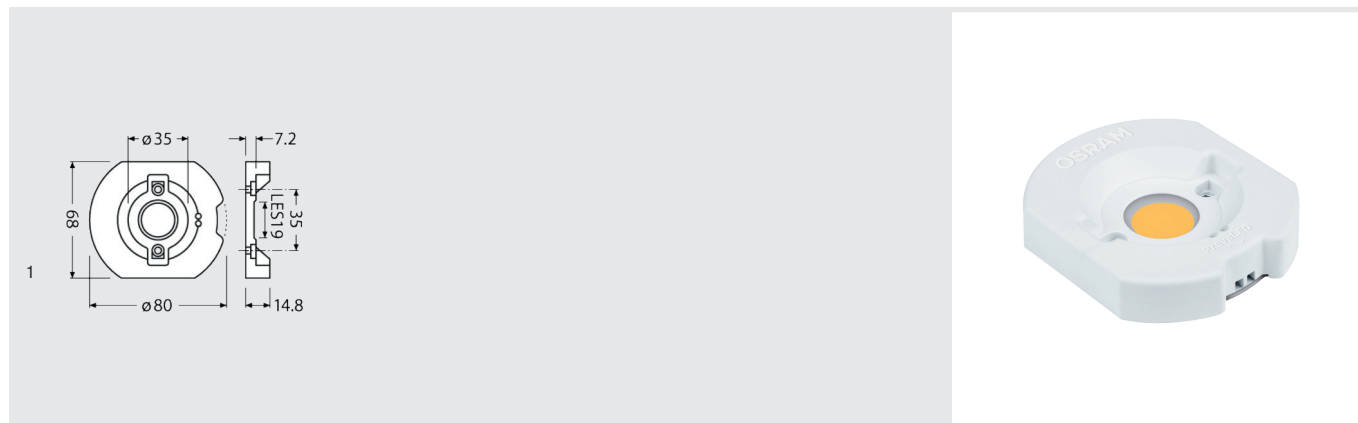
Product reference	Product number	Rated voltage [V]	System wattage [W]	Color temp. [K]	CRI [Ra]	System luminous flux [lm]	System luminous efficacy [lm/W]	Diameter Light Emitting Surface	Lifespan [h] L70/B50	Initial SDCM	Standard pack in PCS.	Fig. no.
PL-CORE-AC PRO-2000-830-230V	4052899928480	220-240	20.0	3000	83	2000	100	19	50000	≤4	20	1
PL-CORE-AC PRO-2000-840-230V	4052899928503	220-240	20.0	4000	83	2060	103	19	50000	≤4	20	1
PL-CORE-AC PRO-3000-830-230V	4052899928527	220-240	33.3	3000	83	3000	90	19	50000	≤4	20	1
PL-CORE-AC PRO-3000-840-230V	4052899928541	220-240	33.3	4000	83	3090	93	19	50000	≤4	20	1

Product features
— Module for Spot & Downlights with integrated Driver
— Focus portfolio
  - 2000lm - 3000lm
  - 3000K - 4000K
  - CRI >80
— On/off only
— Smoothing for
  - System efficacy up to 103lm/W
  - 'Flicker free' <40% modulation
— Dimension: Ø 68 x 80mm

Product benefits
— Easy design-in
  - Compatible with all Zhaga Book 3 accessories
  - 1 Reflector: LES19
  - Poke-ins for stranded and solid wires
  - Optional holder for easy attachment of optical elements
— "BOM-saver"
  - Omission of'gearbox', cables and cover glass
  - Cost saver on assembly
  - Small and passive cooling thanks to high efficacy
  - Reversible shutdown
— Simplified logistics

Areas of application
— Shoplighting in retail stores
— Down light and wall light in offices, corridors, meeting rooms, workplaces
— Decorative and functional lighting in the hospitality industry
— Applicable for class 1 luminaires

PrevaLED® Cube DC G2
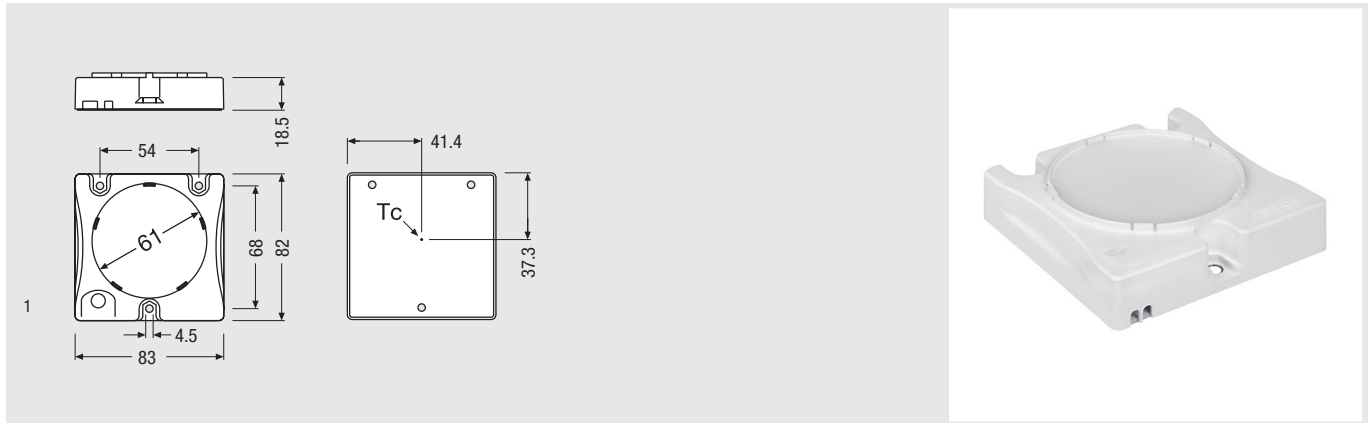
Product reference	Product number	Voltage [V]	Current [mA]	System wattage [W]	Color temp. [K]	CRI [Rₐ]	System luminous flux [lm]	System luminous efficacy [lm/W]	Beam Angle [°]	Lifespan [h] L70/B50	Initial SDCM	Standard pack in PCS.	Fig. no.
PL-CUBE-1100-830-0.35A-G2	4052899151611	34	350	11.2	3000	80	1156	103	110	50000	≤3	20	1
PL-CUBE-1100-840-0.35A-G2	4052899151659	34	350	11.2	4000	80	1246	111	110	50000	≤3	20	1
PL-CUBE-2000-830-0.5A-G2	4052899151710	40	500	19.3	3000	80	1912	99	110	50000	≤3	20	1
PL-CUBE-2000-840-0.5A-G2	4052899151789	40	500	19.3	4000	80	2071	107	110	50000	≤3	20	1
PL-CUBE-3000-830-0.7A-G2	4052899151857	44	700	29.5	3000	80	2880	98	110	50000	≤3	20	1
PL-CUBE-3000-840-0.7A-G2	4052899151895	44	700	29.5	4000	80	3112	105	110	50000	≤3	20	1

Product features

— Consistent white light: ≤3 SDCM
— Temperature at t_p point (according to IEC/PAS 62717): 70°C
— Diameter of light emitting surface: 61mm
— Light management and system guarantee available when used
with OSRAM OPTOTRONIC®
— Lifetime (L70 B50): 50,000h (temperature at t_c point <80°C)
acc. to IEC/PAS 62717
— Lifetime (L0 C10): 50,000h (temperature at t_c point <80°C)
according to IEC/PAS 62717
— Common mechanic and optical connection for standard heat sinks
and reflectors

Product benefits

— Low height for compact luminaire designs
— Near Lambertian light distribution at 110° beam angle for
high quality of light
— Robust design for easy thermal management and long lifetime

Areas of application

— Suitable for diffuser and reflector luminaires
— Hospitality, hotels, restaurants
— Public and commercial buildings
— Offices
— Secondary rooms, garages, storerooms, cellars

PrevaLED® Cube AC G2
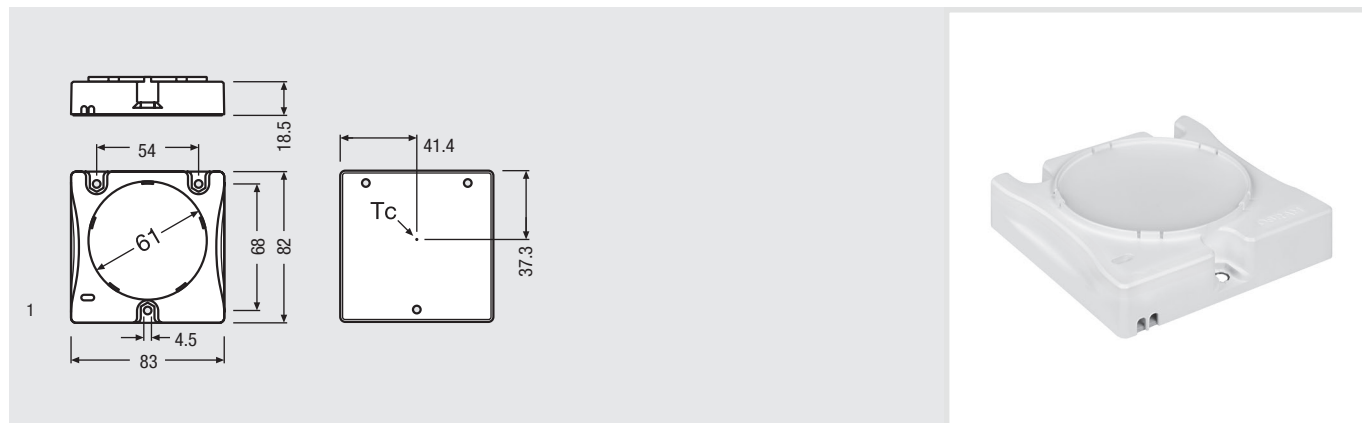
Product Reference	Product number	Rated voltage [V]	System wattage [W]	Color temp. [K]	CRI [Ra]	System luminous flux [lm]	Beam Angle [°]	Lifespan [h] L70/B50	Initial SDCM	Standard pack in PCS.	Fig. no.
PL-CUBE-AC-1100-830-230V-G2	4052899150874	220-240	12.5	3000	80	88	110	50000	≤3	20	1
PL-CUBE-AC-1100-840-230V-G2	4052899150898	220-240	11.7	4000	80	94	110	50000	≤3	20	1
PL-CUBE-AC-2000-830-230V-G2	4052899909496	220-240	21.5	3000	80	93	110	50000	≤3	20	1
PL-CUBE-AC-2000-840-230V-G2	4052899909502	220-240	20	4000	80	100	110	50000	≤3	20	1
PL-CUBE-AC-3000-830-230V-G2	4052899909557	220-240	38.5	3000	80	80	110	50000	≤3	20	1
PL-CUBE-AC-3000-840-230V-G2	4052899909564	220-240	36.5	4000	80	82	110	50000	≤3	20	1

Product features
— Mains voltage driven LED engine
— Integrated control gear
— Diameter of light emitting surface: 61mm
— Common mechanic and photometric interfaces
— Initial color consistency: ≤3 SDCM
— Lifetime (L70 B50): 50,000h (temperature at t_c point <80°C) acc. to IEC/PAS 62717
— Temperature at t_p point (according to IEC/PAS 62717): 70°

Product benefits
— Enabling low cost and compact luminaire designs
— Low profile
— Future-proof dimensions for reliable designs
— Near Lambertian light distribution at 110° beam angle for high quality of light
— Safety through thermal shutdown

Areas of application
— Suitable for diffuser and reflector luminaires
— Hospitality, hotels, restaurants
— Public and commercial buildings
— Offices
— Secondary rooms, garages, storerooms, cellars

PrevaLED® Coin 50
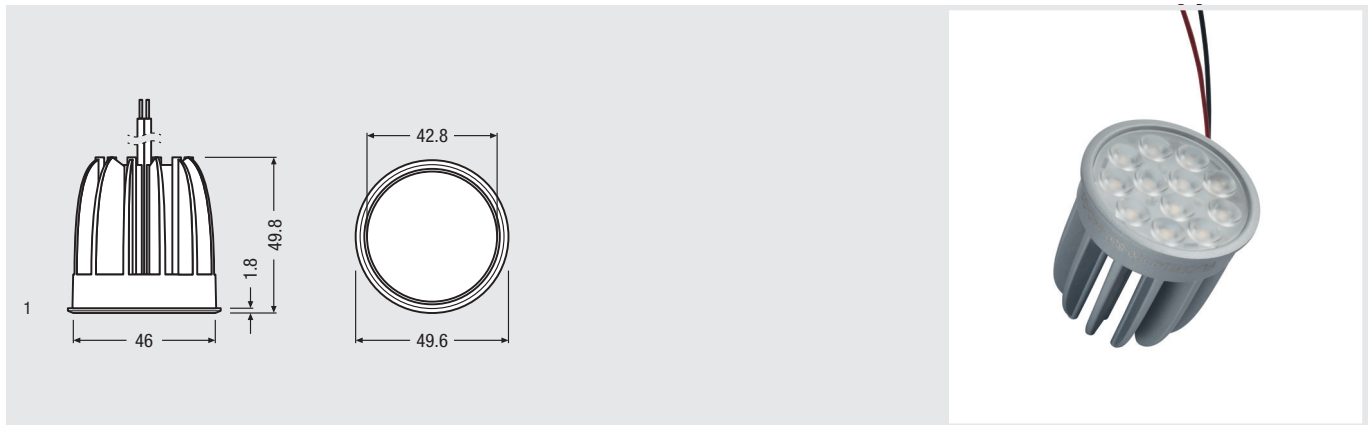
Product reference	Product number	Voltage [V]	Current [mA]	Color temp. [K]	CRI [Ra]	Luminous flux [lm]	Luminous intensity [cd]	Beam Angle [°]	Lifespan [h] L70/B50	Initial SDCM	Standard pack in PCS.	Fig. no.
PL-CN 50-700-930-24D-G1	4052899918436	32	350	3000	92	750	3070	24	50000	≤4	20	1
PL-CN 50-700-930-40D-G1	4052899918450	32	350	3000	92	750	1420	40	50000	≤4	20	1
PL-CN 50-700-940-24D-G1	4052899918443	32	350	4000	92	790	3235	24	50000	≤4	20	1
PL-CN 50-700-940-40D-G1	4052899918467	32	350	4000	92	790	1500	40	50000	≤4	20	1
PL-CN 50-900-830-24D-G1	4052899918474	32	350	3000	83	920	3770	24	50000	≤4	20	1
PL-CN 50-900-830-40D-G1	4052899918498	32	350	3000	83	920	1745	40	50000	≤4	20	1
PL-CN 50-900-840-24D-G1	4052899918481	32	350	4000	83	980	4015	24	50000	≤4	20	1
PL-CN 50-900-840-40D-G1	4052899918504	32	350	4000	83	980	1860	40	50000	≤4	20	1
PL-CN 50-1100-830-24D-G1	4052899918511	38	350	3000	83	1080	4425	24	50000	≤4	20	1
PL-CN 50-1100-830-40D-G1	4052899918535	38	350	3000	83	1080	2050	40	50000	≤4	20	1
PL-CN 50-1100-840-24D-G1	4052899918528	38	350	4000	83	1150	4710	24	50000	≤4	20	1
PL-CN 50-1100-840-40D-G1	4052899918542	38	350	4000	83	1150	2180	40	50000	≤4	20	1

Product features

— LED engine available with 24° or 40° beam angle
— Versions with color rendering index R_a 90 available
— Integrated heat sink and lens optics
— Dimmable (with many common dimmers)
— Fits into standard MR16 fixtures

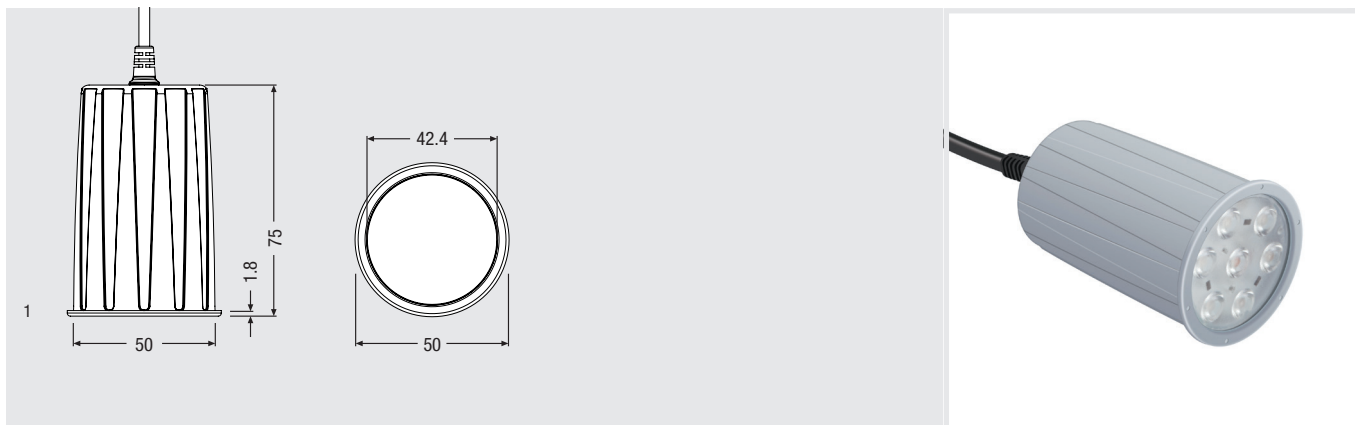**Product benefits**

— Improved fixing compared to previous version COINlight Pro
— Easy and quick design-in

Areas of application

— LED replacement for halogen and HCI reflector lamps
— Hospitality
— Shop lighting
— Museums, galleries
— Offices

PrevaLED® Coin 50 AC

Product reference	Product number	Rated voltage [V]	Current [mA]	Power [W]	Color temp. [K]	CRI [R$_a$]	Luminous flux [lm]	Beam Angle [°]	Lifespan [h] L70/B50	Initial SDCM	Standard pack in PCS.	Fig. no.
PL-CN50AC-G1 650-830 24 230V	4052899276604	220-240	390	8.2 ± 0.5	3000	83	650	24	35000	≤4	12	1
PL-CN50AC-G1 650-830 40 230V	4052899276628	220-240	390	8.2 ± 0.5	3000	83	650	40	35000	≤4	12	1
PL-CN50AC-G1 650-840 24 230V	4052899276642	220-240	390	8.2 ± 0.5	4000	83	720	24	35000	≤4	12	1
PL-CN50AC-G1 650-840 40 230V	4052899276666	220-240	390	8.2 ± 0.5	4000	83	720	40	35000	≤4	12	1
PL-CN50AC-G1 800-830 24 230V	4052899276680	220-240	430	9.2 ± 0.7	3000	83	800	24	35000	≤4	12	1
PL-CN50AC-G1 800-830 40 230V	4052899276703	220-240	430	9.2 ± 0.7	3000	83	800	40	35000	≤4	12	1
PL-CN50AC-G1 800-830 60 230V	4052899276727	220-240	430	9.2 ± 0.7	3000	83	800	60	35000	≤4	12	1
PL-CN50AC-G1 800-840 24 230V	4052899276741	220-240	430	9.2 ± 0.7	4000	83	835	24	35000	≤4	12	1
PL-CN50AC-G1 800-840 40 230V	4052899276765	220-240	430	9.2 ± 0.7	4000	83	835	40	35000	≤4	12	1
PL-CN50AC-G1 800-840 60 230V	4052899276789	220-240	430	9.2 ± 0.7	4000	83	835	60	35000	≤4	12	1

Product features
— Integrated driver, heat sink and lens optics
— Fits in most existing MR16 traditional luminaires
— Narrow beam angles, 24°, 40° or 60°
— IP44 - Suitable for semi-outdoor applications
— Flexibility through 2 lumen packages and 2 CCTs
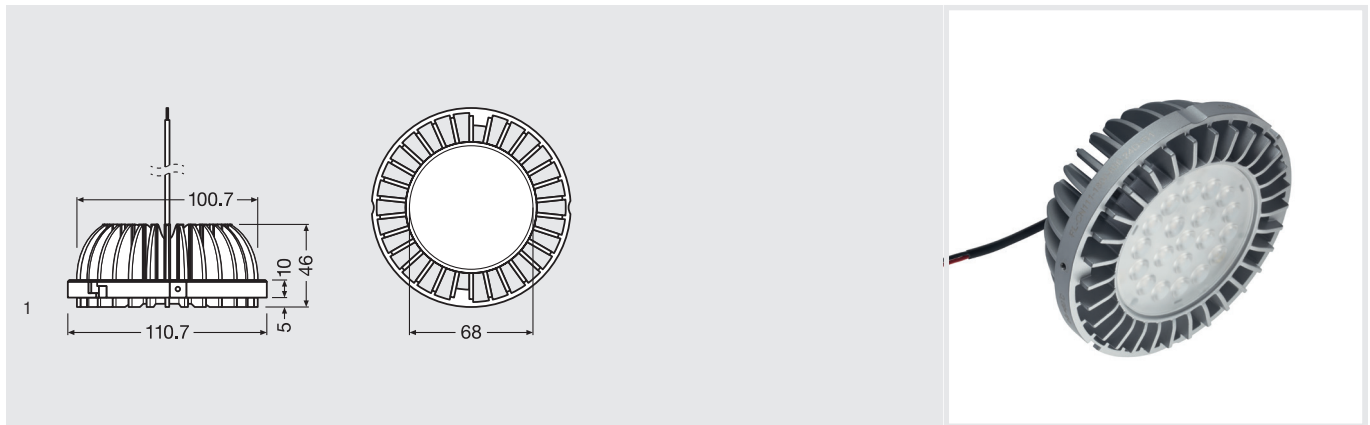
Product benefits
— Easy & fast design-in for luminaire manufacturers
— Turn-key solution for projects

Areas of application
— Chain stores, Retail shops
— Shopping malls
— Exhibition halls
— Museums
— Toilets, Kitchens, SPA

PrevaLED® Coin 111

Product reference	Product number	Voltage [V]	Current [mA]	Power [W]	Color temp. [K]	CRI [Ra]	Luminous flux [lm]	Luminous intensity [cd]	Beam Angle [°]	Lifespan [h] L70/B50	Initial SDCM	Standard pack in PCS.	Fig. no.
PL-CN 111-1200-930-24D-G1	4052899918191	25.6	700	18	3000	92	1230	5040	24	50000	≤4	12	1
PL-CN 111-1200-930-40D-G1	4052899918214	25.6	700	18	3000	92	1230	2335	40	50000	≤4	12	1
PL-CN 111-1200-940-24D-G1	4052899918207	25.6	700	18	4000	92	1300	5325	24	50000	≤4	12	1
PL-CN 111-1200-940-40D-G1	4052899918221	25.6	700	18	4000	92	1300	2465	40	50000	≤4	12	1
PL-CN 111-1800-830-24D-G1	4052899918238	32	700	22.5	3000	83	1880	7705	24	50000	≤4	12	1
PL-CN 111-1800-830-40D-G1	4052899918252	32	700	22.5	3000	83	1880	3570	40	50000	≤4	12	1
PL-CN 111-1800-840-24D-G1	4052899918245	32	700	22.5	4000	83	1990	8155	24	50000	≤4	12	1
PL-CN 111-1800-840-40D-G1	4052899918269	32	700	22.5	4000	83	1990	3780	40	50000	≤4	12	1
PL-CN 111-2700-830-24D-G1	4052899918276	32	1050	33.8	3000	83	2740	11230	24	50000	≤4	12	1
PL-CN 111-2700-830-40D-G1	4052899918290	32	1050	33.8	3000	83	2740	5200	40	50000	≤4	12	1
PL-CN 111-2700-840-24D-G1	4052899918283	32	1050	33.8	4000	83	2900	11885	24	50000	≤4	12	1
PL-CN 111-2700-840-40D-G1	4052899918306	32	1050	33.8	4000	83	2900	5505	40	50000	≤4	12	1

Product features

— LED engine available with 24° or 40° beam angle
— Versions with color rendering index R_a 90 available
— Integrated heat sink and lens optics
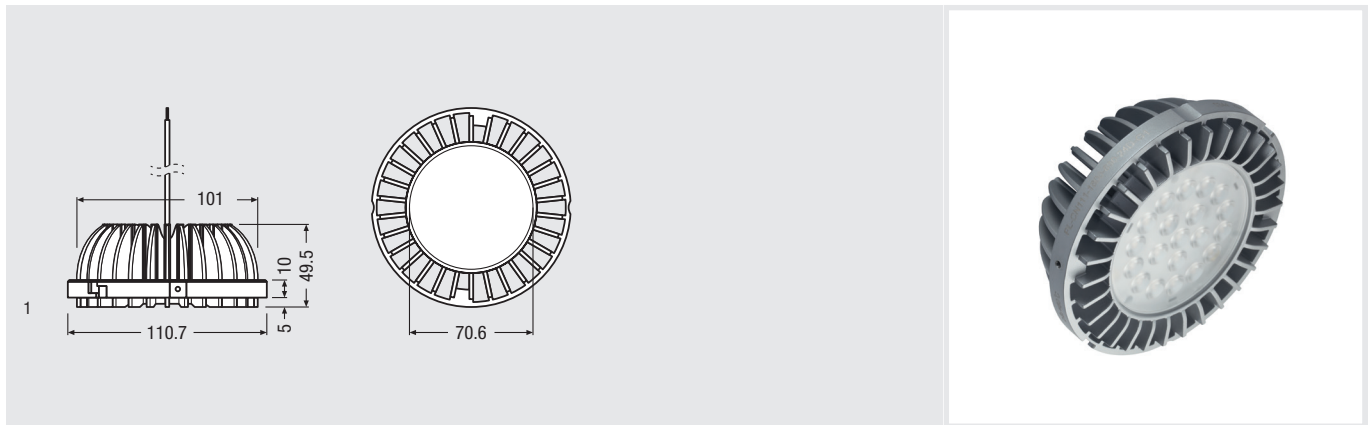— Dimmable (with many common dimmers)

Product benefits

— Improved fixing compared to previous version COINlight AR111
— Easy and quick design-in

Areas of application

— LED replacement for halogen and HCI reflector lamps
— Hospitality
— Shop lighting
— Museums, galleries
— Offices

PrevaLED® Coin 111 AC

Product reference	Product number	Rated voltage [V]	Power [W]	Color temp. [K]	CRI [Ra]	Luminous flux [lm]	Luminous efficacy [lm/W]	Luminous intensity [cd]	Beam Angle [°]	Lifespan [h] L70/B50	Initial SDCM	Standard pack in PCS.	Fig. no.
PL-CN111AC-G1 1200-830 24 230V	4052899165533	220-240	15.5	3000	83	1250	81	4350	24	35000	≤4	12	1
PL-CN111AC-G1 1200-840 24 230V	4052899165557	220-240	15.5	4000	83	1350	87	4700	24	35000	≤4	12	1
PL-CN111AC-G1 1200-830 40 230V	4052899165618	220-240	15.5	3000	83	1250	81	2250	40	35000	≤4	12	1
PL-CN111AC-G1 1200-840 40 230V	4052899165632	220-240	15.5	4000	83	1350	87	2400	40	35000	≤4	12	1
PL-CN111AC-G1 1800-830 24 230V	4052899165571	220-240	22.5	3000	83	1850	82	6450	24	35000	≤4	12	1
PL-CN111AC-G1 1800-840 24 230V	4052899165595	220-240	22.5	4000	83	1950	87	6800	24	35000	≤4	12	1
PL-CN111AC-G1 1800-830 40 230V	4052899165656	220-240	22.5	3000	83	1850	82	3300	40	35000	≤4	12	1
PL-CN111AC-G1 1800-840 40 230V	4052899165670	220-240	22.5	4000	83	1950	87	3500	40	35000	≤4	12	1

Product features

— Integrated driver, heat sink and lens optics
— Fits in most existing R111 traditional luminaires
— Narrow beam angles, 24° or 40°
— LED replacement up to HID 35W
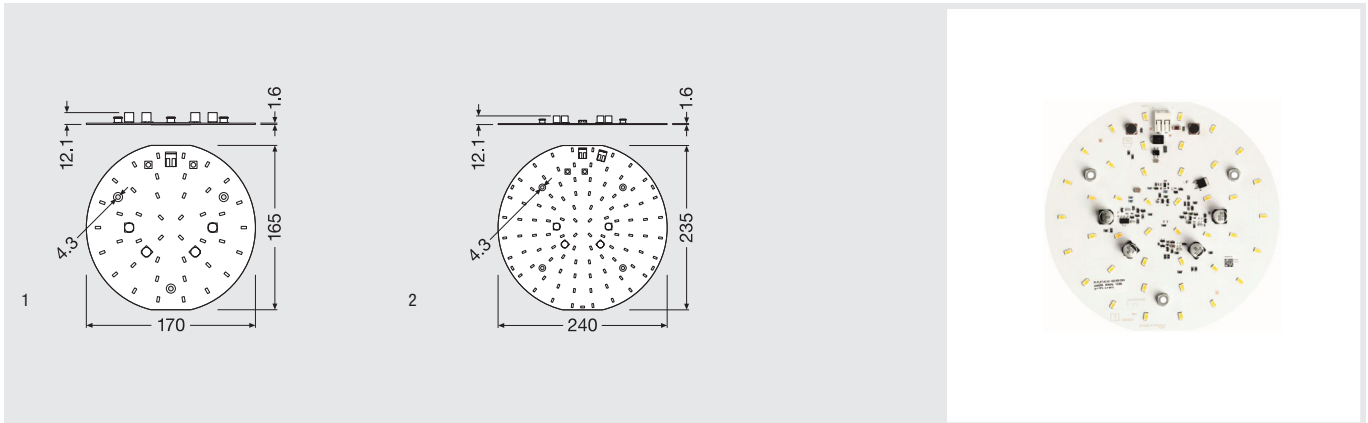— Flexibility through 2 lumen packages and 2 CCTs

Product benefits

— Easy & fast design-in for luminaire manufacturers
— Turn-key solution for projects

Areas of application

— Chain stores, Retail shops
— Shopping malls
— Exhibition halls
— Museums

PrevaLED® FLAT AC

Product reference	Product number	Power factor [λ]	Power [W]	Color temp. [K]	CRI [Ra]	Luminous flux [lm]	Beam Angle [°]	Lifespan [h] L70/B50	Diameter d [mm]	Standard pack in PCS.	Fig. no.
PL-FLAT-AC-G1 1500-830 230V	4052899135192	>0.9	13.6	3000	83	1500	112	50000	170	20	1
PL-FLAT-AC-G1 1500-840 230V	4052899135185	>0.9	12.5	4000	83	1500	112	50000	170	20	1
PL-FLAT-AC-G1 2500-830 230V	4052899135208	>0.9	20.4	3000	83	2500	112	50000	240	20	2
PL-FLAT-AC-G1 2500-840 230V	4052899135215	>0.9	20.4	4000	83	2500	112	50000	240	20	2
PL-FLAT-AC-G1 1500-830 230V L-EM	4052899167117	>0.9	13.6	3000	83	1500	112	50000	170	20	1
PL-FLAT-AC-G1 1500-840 230V L-EM	4052899167322	>0.9	12.5	4000	83	1500	112	50000	170	20	1
PL-FLAT-AC-G1 2300-830 230V L-EM	4052899167346	>0.9	20.4	3000	83	2300	112	50000	240	20	2
PL-FLAT-AC-G1 2500-830 230V L-EM	4052899167360	>0.9	20.4	4000	83	2500	112	50000	240	20	2

Product features

— Rated luminous flux: typ. 1500lm, 2300lm and 2500lm
— Light colors: 3000K, 4000K
— Color rendering index: typ. 83
— System efficacy: typ 120lm/W at 4000K
— Diameters: 170 and 240mm
— Operation with mains voltage: 220 – 240V AC; 50/60Hz
— Power factor > 0.9
— Modulation of 100Hz with 40% depth
— L70B50 @ 50,000 hours at t_p=75°C (see IEC/PAS 62717)
— L0C10 @ 50,000 hours at t_p=75°C (see IEC/PAS 62717)
— Specialised touch safe accessory (PL-FLTP 170 and PL-FLTP 240) to cover line-voltage carrying parts and enable easy and safe installation in existing luminaires.
— Separate LED-circuit for operation on local-battery emergency units (for L-EM version)

Product benefits

— High performing low cost LED-engine for diffuse wall- / ceiling-mounted luminaires
— Power on-board through integrated driver electronics
— Low height luminaires with high uniformity realisable
— Two Flat AC diameters for multiple luminaire diameters
— High system efficacy for simple thermal management
— Safety through thermal shutdown
— Touch protect accessory available for safe installation in existing luminaires (sold separately)

Areas of application

— Corridors, stairways, entrances
— Hotels and restaurants
— Public, commercial and office buildings
— Garages and storage rooms

PrevaLED® Linear Value
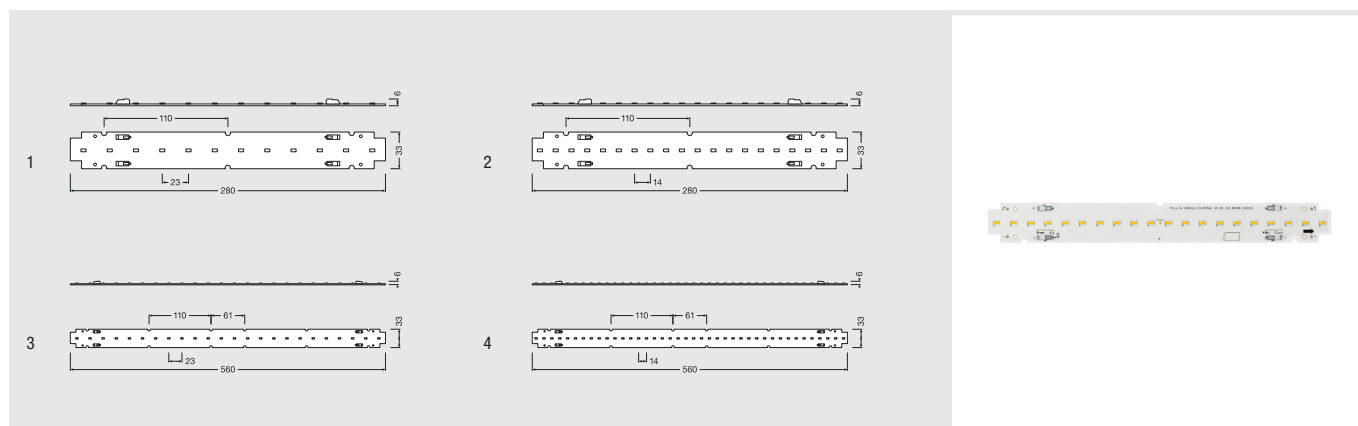
Product reference	Product number	Current [mA]	Power [W]	Color temp. [K]	CRI [Ra]	Luminous flux [lm]	Luminous efficacy [lm/W]	Lifespan [h] L70/B50	Initial SDCM	Standard pack in PCS.	Fig. no.
PLVZ1-LIN 650-830-280	4052899914797	130	4.6	3000	>80	580	125	50000	4	40	1
PLVZ1-LIN 650-840-280	4052899914810	130	4.6	4000	>80	610	132	50000	4	40	1
PLVZ1-LIN-1100-830-280	4052899914834	250	7.7	3000	>80	970	125	50000	4	40	2
PLVZ1-LIN 1100-840-280	4052899914858	250	7.7	4000	>80	1020	132	50000	4	40	2
PLVZ1-LIN 1300-830-560	4052899914872	250	9.1	3000	>80	1160	125	50000	4	40	3
PLVZ1-LIN 1300-840-560	4052899914896	250	9.1	4000	>80	1220	132	50000	4	40	3
PLVZ1-LIN 2200-830-560	4052899914919	500	15.3	3000	>80	1930	125	50000	4	40	4
PLVZ1-LIN 2200-840-560	4052899914933	500	15.3	4000	>80	2040	132	50000	4	40	4

Product features

— Poke-in wire connection for 0.5mm² wire
— VDE-certified safety
— Initial high color consistency: 4 SDCM
— Geometry according to Zhaga specification
— CE marked and UL listed
— High module efficacy: up to 130lm/W
— Lifetime (L70 B50): 50,000h

Product benefits

— SELV module for easy luminaire design
— Modules can be easily joined together to make seamless strip lighting
— Slim module (comparable to a fluorescent T8 tube)
— Quick and simple installation
— Energy saving compared to T5 or T8 fluorescent lamps
— Simple system construction
— Self-cooling, no additional heat sink required
— Homogeneous illumination without shadows

Areas of application

— Retail outlets
— Car parks
— Warehouses
— Outdoor applications only in suitable luminaires

PrevaLED® Linear HV
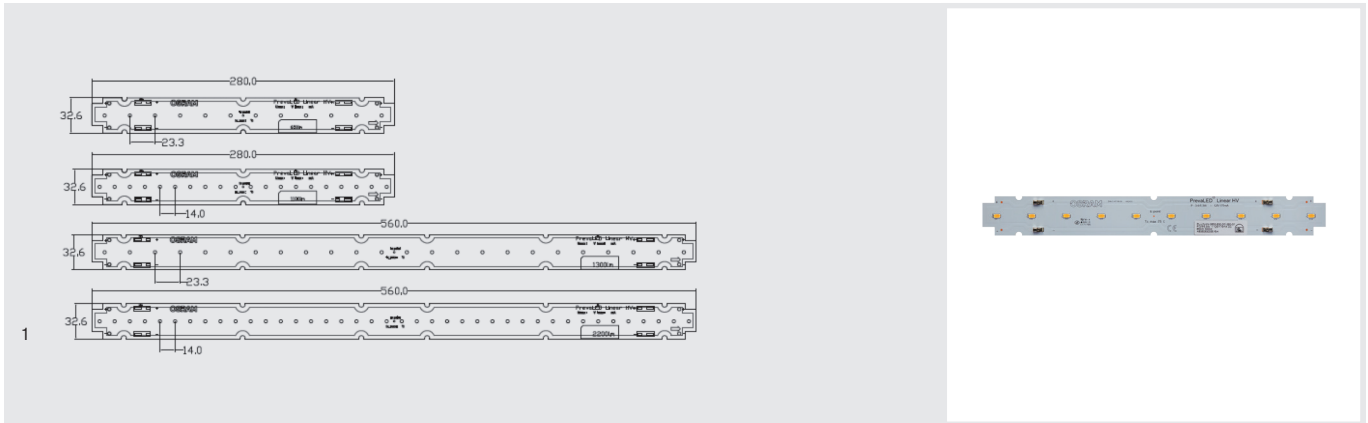
Product reference	Product number	Current [mA]	Power [W]	Color temp. [K]	CRI [Ra]	System luminous flux [lm]	Luminous efficacy [lm/W]	Beam Angle [°]	Lifespan [h] L70/B50	Initial SDCM	Standard pack in PCS.	Fig. no.
PL-LIN-HV-650-830-DC-280-G1	4052899301054	125 / 175	3.6 / 5.3	3000	80	536 / 706	149 / 133	115 ± 5	50000	4	50	1
PL-LIN-HV-650-840-DC-280-G1	4052899301030	125 / 175	3.6 / 5.3	4000	80	591 / 778	164 / 147	115 ± 5	50000	4	50	1
PL-LIN-HV-650-865-DC-280-G1	4052899301016	125 / 175	3.6 / 5.3	6500	80	564 / 742	157 / 140	115 ± 5	50000	4	50	1
PL-LIN-HV-1100-830-DC-280-G1	4052899301115	125 / 175	7.3 / 10.5	3000	80	1072 / 1411	147 / 134	115 ± 5	50000	4	50	1
PL-LIN-HV-1100-840-DC-280-G1	4052899301092	125 / 175	7.3 / 10.5	4000	80	1182 / 1557	162 / 148	115 ± 5	50000	4	50	1
PL-LIN-HV-1100-865-DC-280-G1	4052899301078	125 / 175	7.3 / 10.5	6500	80	1127 / 1484	154 / 141	115 ± 5	50000	4	50	1
PL-LIN-HV-1300-830-DC-560-G1	4052899301177	125 / 175	7.6 / 11.0	3000	80	1125 / 1482	148 / 135	115 ± 5	50000	4	50	1
PL-LIN-HV-1300-840-DC-560-G1	4052899301153	125 / 175	7.6 / 11.0	4000	80	1241 / 1635	163 / 149	115 ± 5	50000	4	50	1
PL-LIN-HV-1300-865-DC-560-G1	4052899301139	125 / 175	7.6 / 11.0	6500	80	1183 / 1558	156 / 142	115 ± 5	50000	4	50	1
PL-LIN-HV-2200-830-DC-560-G1	4052899301238	125 / 175	13.0 / 18.9	3000	80	1929 / 2540	148 / 134	115 ± 5	50000	4	50	1
PL-LIN-HV-2200-840-DC-560-G1	4052899301214	125 / 175	13.0 / 18.9	4000	80	2128 / 2802	164 / 148	115 ± 5	50000	4	50	1
PL-LIN-HV-2200-865-DC-560-G1	4052899301016	125 / 175	13.0 / 18.9	6500	80	2029 / 2671	156 / 141	115 ± 5	50000	4	50	1

Product features

— Suitable T8, T5 HE/HO replacement and with extra brightness mode
— Poke-in wire connection for 0.5mm² wire
— Initial high color consistency: 4 SDCM
— Geometry according to Zhaga book 7 specification
— CE marked
— High module efficacy: up to 162lm/W
— Lifetime (L70 B50): 50,000h

Product benefits

— Non-SELV module for cost competitiveness reliable system
— Modules can be easily joined together to make seamless strip lighting
— Slim module (comparable to a fluorescent T8 tube)
— Quick and simple installation
— Energy saving compared to T5 or T8 fluorescent lamps
— Simple system construction
— Self-cooling, no additional heat sink required
— Homogeneous illumination without shadows

Areas of application

— Office
— Retail outlets
— Car parks
— Warehouses
— Hospitality
— Outdoor applications only in suitable luminaires

PrevaLED® Area Value
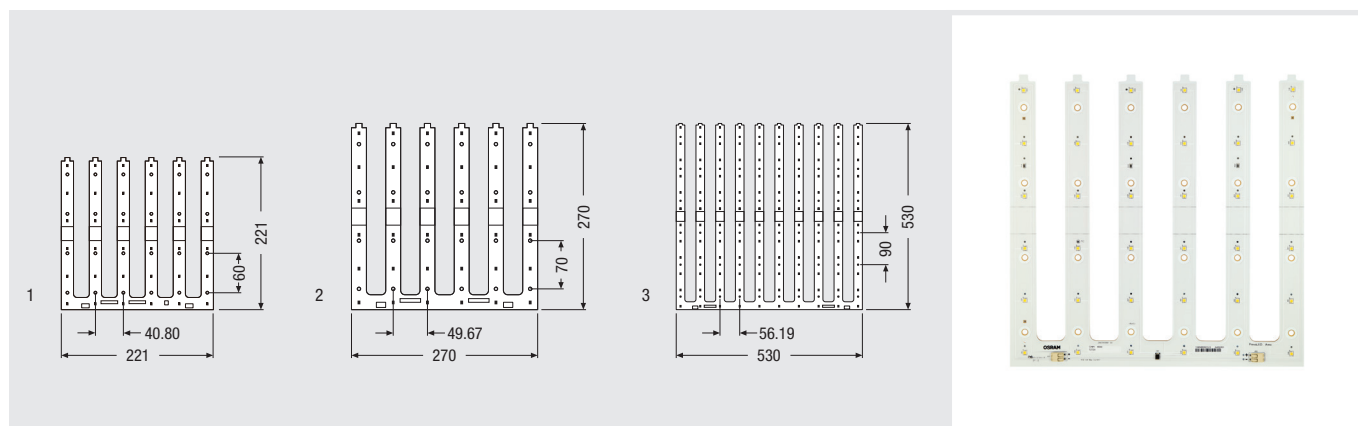
Product reference	Product number	Current [mA]	Power [W]	Color temp. [K]	CRI [Ra]	Luminous flux [lm]	Luminous efficacy [lm/W]	Lifespan [h] L70/B50	Initial SDCM	Standard pack in PCS.	Fig. no.
PLVG1-Ar-1100-830-221X221-DC	4052899134294	230	8	3000	>80	1057	132	50000	3.5	40	1
PLVG1-Ar-1100-835-221X221-DC	4052899134324	230	8	3500	>80	1110	138	50000	3.5	40	1
PLVG1-Ar-1100-840-221X221-DC	4052899134355	230	8	4000	>80	1138	142	50000	3.5	40	1
PLVG1-Ar-2200-830-221X221-DC	4052899134386	570	17	3000	>80	2056	121	50000	3.5	40	1
PLVG1-Ar-2200-835-221X221-DC	4052899134416	570	17	3500	>80	2159	127	50000	3.5	40	1
PLVG1-Ar-2200-840-221X221-DC	4052899134447	570	17	4000	>80	2214	130	50000	3.5	40	1
PLVG1-Ar-1100-830-270x270-DC	4052899134478	230	8	3000	>80	1057	132	50000	3.5	40	2
PLVG1-Ar-1100-840-270x270-DC	4052899134508	230	8	4000	>80	1138	142	50000	3.5	40	2
PLVG1-Ar-4500-830-530x530-DC	4052899134539	940	33	3000	>80	4196	126	50000	3.5	20	3
PLVG1-Ar-4500-840-530x530-DC	4052899134560	940	33	4000	>80	4519	135	50000	3.5	20	3
PLVG1-Ar-4500-850-530x530-DC	4052899 134591	940	33	5000	>80	4713	114	50000	3.5	20	3

Product features
— High module efficacy: up to 140lm/W
— High initial color consistency: 4 SDCM
— Poke-in wire connection for 0.5mm² wire
— Self-cooling
— SELV system
— VDE-certified safety
— CE marked and UL listed
— Lifetime (L70 B50): 50,000h

Product benefits
— Homogenous light
— 5 years system guarantee

Areas of application
— Offices
— Interior lighting

PrevaLED® Bar Value
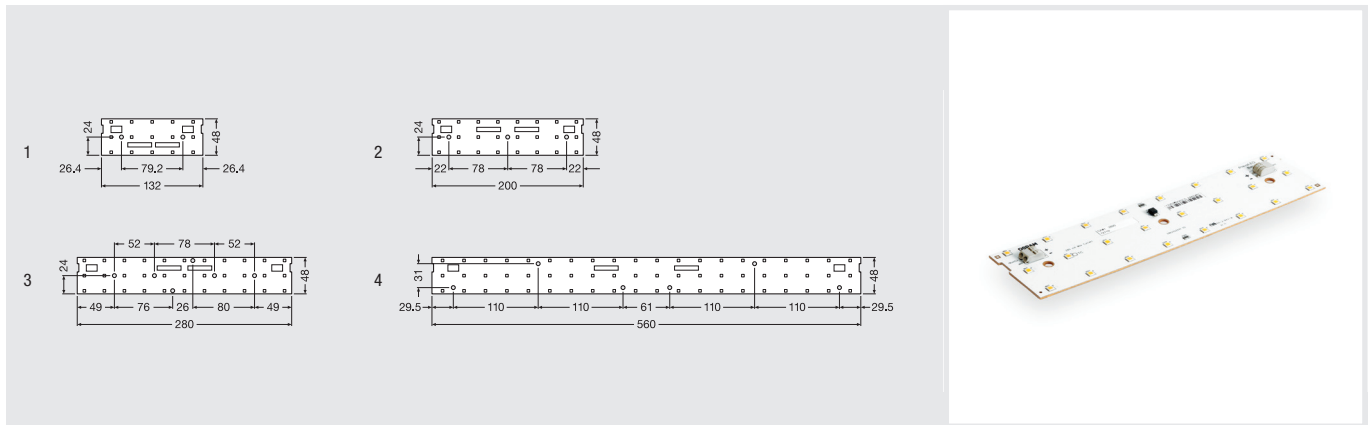
Product reference	Product number	Current [mA]	Power [W]	Color temp. [K]	CRI [Ra]	Luminous flux [lm]	Luminous efficacy [lm/W]	Lifespan [h] L70/B50	Initial SDCM	Standard pack in PCS.	Fig. no.
PLVG1-Bar-590-830-132x48-DC	4052899134065	100	5	3000	>80	550	121	50000	4	40	1
PLVG1-Bar-590-840-132x48-DC	4052899134126	100	5	4000	>80	600	131	50000	4	40	1
PLVG1-Bar-845-830-200x48-DC	4052899134188	180	6	3000	>80	790	124	50000	4	40	2
PLVG1-Bar-845-840-200x48-DC	4052899134287	180	6	4000	>80	850	134	50000	4	40	2
PLVG1-Bar-1100-830-280x48-DC	4052899133822	250	8	3000	>80	1030	126	50000	4	40	3
PLVG1-Bar-1100-840-280x48-DC	4052899133884	250	8	4000	>80	1100	135	50000	4	40	3
PLVG1-Bar-2200-830-560x48-DC	4052899133945	380	17	3000	>80	2060	123	50000	4	40	4
PLVG1-Bar-2200-840-560x48-DC	4052899134003	380	17	4000	>80	2210	132	50000	4	40	4

Product features

— High module efficacy: up to 135lm/W
— High initial color consistency: 4 SDCM
— Poke-in wire connection for 0.5mm² wire
— Self-cooling
— SELV system
— VDE-certified safety
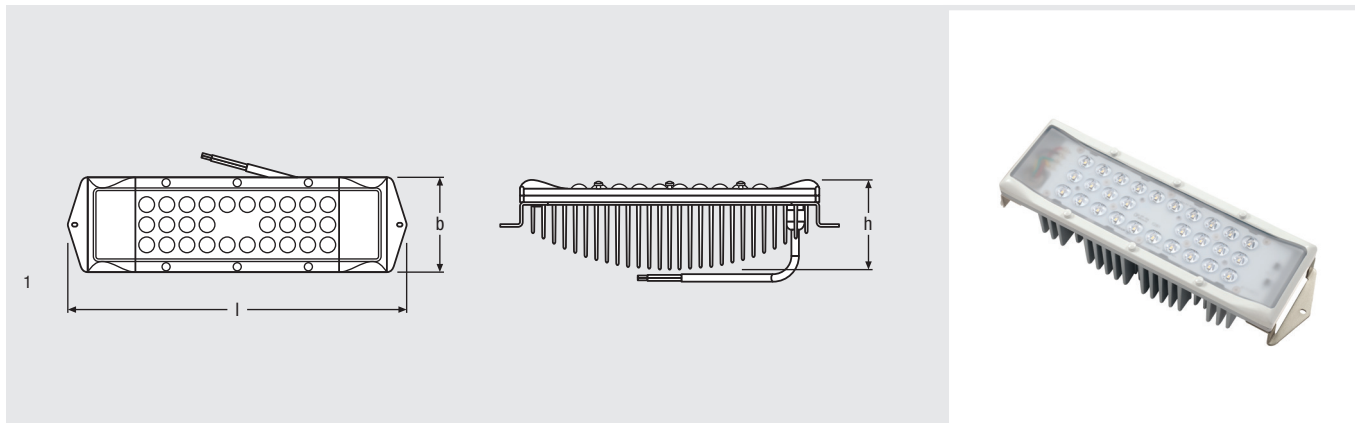— CE marked and UL listed
— Lifetime (L70 B50): 50,000h

Product benefits

— Homogenous light
— 5 years system guarantee

Areas of application

— Offices
— Interior lighting

HPML AD G13B Area / Street

Product reference	Product number	Power [W]	Color temp. [K]	CRI [Ra]	Luminous flux [lm]	Beam Angle [°]	Length l [mm]	Width b [mm]	Height h [mm]	IP Rating	Standard pack in PCS.	Fig. no.
HPML AD G13B SQ W4F 830 L60X60 79V	4052899027763	60	3000	80	4960	60 x 60	220	70	66	IP66	4	1
HPML AD G13B L SQ W4F 830 L60X60 43V	4052899097438	30	3000	80	2660	60 x 60	220	70	66	IP66	4	1
HPML AD G13B SQ W4 765 L60X60 79V	4052899027749	60	6500	70	6400	60 x 60	220	70	66	IP66	4	1
HPML AD G13B L SQ W4 765 L60X60 43V	4052899097414	30	6500	70	3470	60 x 60	220	70	66	IP66	4	1
HPML AD G13B SQ W4F 740 L60X60 79V	4052899929401	60	4000	70	6000	60 x 60	220	70	60	IP66	4	1
HPML AD G13B SQ W4F 740 L150X80X40 79V	4052899028135	60	4000	70	6400	150 x 80 x 40	220	70	66	IP66	4	1
HPML AD G13B L SQ W4F 740 L150X80X40 43V	4052899097766	30	4000	70	3270	150 x 80 x 40	220	70	66	IP66	4	1
HPML AD G13B SQ W4 765 L150X80X40 79V	4052899028258	60	6500	70	6460	150 x 80 x 40	220	70	66	IP66	4	1
HPML AD G13B L SQ W4-765 L150X80X40 43V	4052899097940	30	6500	70	3470	150 x 80 x 40	220	70	66	IP66	4	1

Product features

— High optical efficiency and high performance light distribution fulfill various applications such as low-bay, path and flood lighting
— IP66 protection
— Constant current driven maximizing system efficiency
— Simple screw fixing module allowing multiple module configuration in luminaires
— Optimized for extended lifetime and lumen maintenance

Areas of application

— Low-bay flood lighting, path lighting
— Street lighting for roads

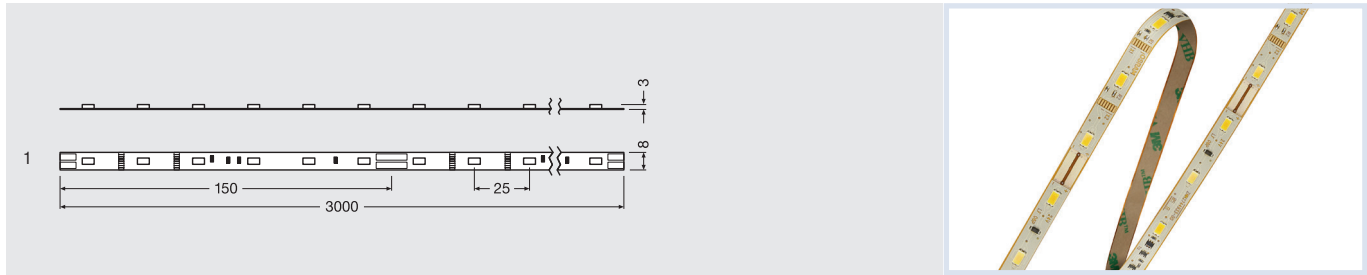This page has been intentionally left blank.

LED Modules

LED modules can be used in a wide range of applications, from simple, general lighting through to dynamic architectural lighting, including illumination for advertising. The design and technology can be modified in order to meet the most varied requirements with LED technology.

LED Modules | Contents

LED Modules

LINEARlight POWER Flex

Product reference	Product number	Voltage [V]	Power [W]	Nominal wattage per meter [W]	Color temp. [K]	Light color	Luminous flux per meter [lm]	Luminous flux [lm]	Beam Angle [°]	Number of LEDs per meter	Standard pack in PCS.	Fig. no.
LF06P2-W5F-827	4008321971272	24	68	22.7	2700	white	1600	4792	120	40	8	1
LF06P2-W5F-830	4008321971296	24	68	22.7	3000	white	1720	5168	120	40	8	1
LF06P2-W5F-840	4008321971319	24	68	22.7	4000	white	1850	5544	120	40	8	1
LF06P2-W5F-854	4008321971791	24	68	22.7	5400	white	1850	5544	120	40	8	1
LF06P2-W5F-865	4008321971333	24	68	22.7	6500	white	1850	5544	120	40	8	1

Product features
— Flexible and cuttable LED strip
— Luminous flux: up to 1850lm/m
— Module efficacy: up to 82lm/W
— Dimmable
— Fine White (3 SDCM)

Areas of application
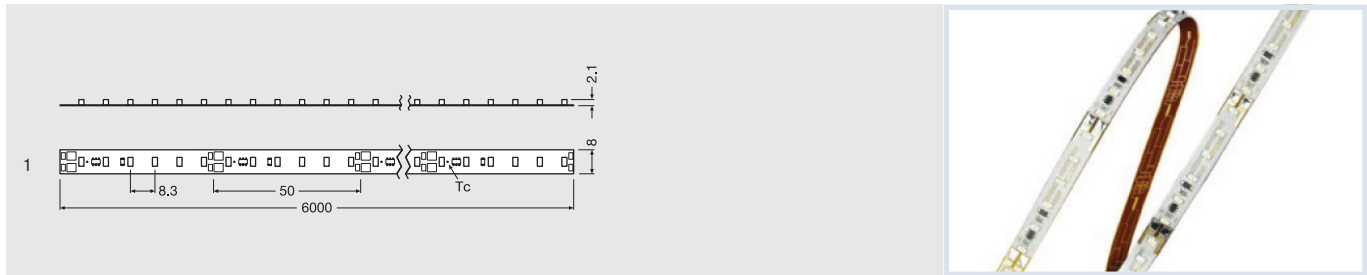— Cove lighting
— Advertising and lettering

Product benefits
— High luminous flux
— Great design freedom with flexibility and cuttability of module
— Simple mounting and connection
— Toolless connection with the optional CONNECTsystem
— Easy mounting on smooth surfaces with self-adhesive tape

LINEARlight Flex® ShortPitch

Product reference	Product number	Voltage [V]	Power [W]	Nominal wattage per meter [W]	Color temp. [K]	Light color	Luminous flux per meter [lm]	Luminous flux [lm]	Beam Angle [°]	Number of LEDs per meter	Standard pack in PCS.	Fig. no.
LF06S-W3F-827	4008321973887	24	58	9.7	2700	white	780	4680	120	120	8	1
LF06S-W3F-830	4008321973894	24	58	9.7	3000	white	780	4680	120	120	8	1
LF06S-W3F-840	4008321973900	24	58	9.7	4000	white	850	5076	120	120	8	1
LF06S-W3F-850	4008321973917	24	58	9.7	5000	white	850	5076	120	120	8	1
LF06S-W3F-865	4008321973924	24	58	9.7	6500	white	850	5076	120	120	8	1

Product features
— Flexible LED strip
— Luminous flux: up to 850lm/m
— Module efficacy: up to 88lm/W

Areas of application
— Edge coupling, small coving, pathways
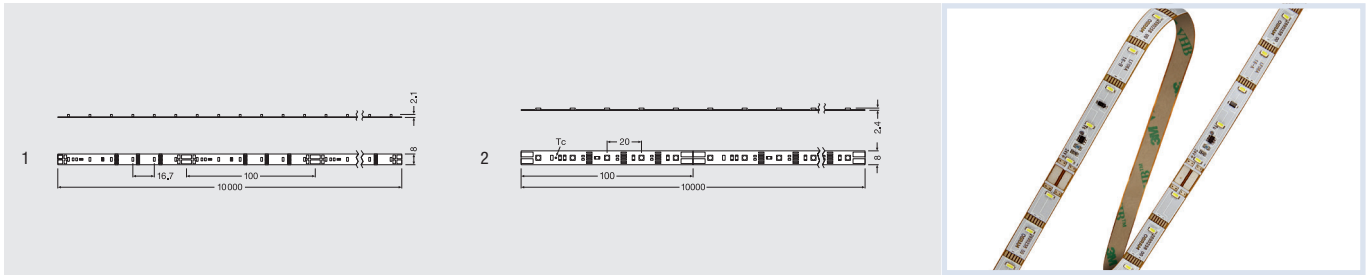— Contour accent lighting, advertising and billboard illumination

Product benefits
— Very small LED spacing
— Great design freedom with flexibility and cuttability of module
— Simple mounting and connection
— Toolless connection with the optional CONNECTsystem
— Easy mounting on many smooth surfaces with self-adhesive tape

LINEARlight Flex® ADVANCED

Product reference	Product number	Voltage [V]	Power [W]	Nominal wattage per meter [W]	Color temp. [K]	Light color	Luminous flux per meter [lm]	Luminous flux [lm]	Beam Angle [°]	Number of LEDs per meter	Standard pack in PCS.	Fig. no.
LF06A-W3F-827	4008321973986	24	48	4.8	2700	white	390	3900	120	60	8	1
LF06A-W3F-830	4008321973993	24	48	4.8	3000	white	390	3900	120	60	8	1
LF06A-W3F-840	4008321974006	24	48	4.8	4000	white	425	4230	120	60	8	1
LF06A-W3F-850	4008321974013	24	48	4.8	5000	white	425	4230	120	60	8	1
LF06A-W3F-865	4008321974020	24	48	4.8	6500	white	425	4230	120	60	8	1
LF05A2-B3	4052899924123	24	72	7.3	-	blue	70	710	120	50	8	2
LF05A2-O3	4052899924093	24	83	8.3	-	orange	135	1350	120	50	8	2
LF05A2-T3	4052899924116	24	49	4.9	-	green	165	1650	120	50	8	2
LF05A2-Y3	4052899924109	24	83	8.3	-	yellow	110	1100	120	50	8	2
LF05A2-R3	4052899924086	24	83	8.3	-	red	110	1100	120	50	8	2

Product features
— Flexible and cuttable LED strip
— Luminous flux: up to 425lm/m
— Module efficacy: up to 88lm/W
— Dimmable
— Fine White (3 SDCM)

Product benefits
— Very long for seamless bands of light
— Large selection of light colors
— Great design freedom with flexibility and cuttability of module
— Simple mounting and connection
— Toolless connection with the optional CONNECTsystem
— Easy mounting on many smooth surfaces with
   self-adhesive tape

Areas of application
— Cove lighting
— Advertising and lettering

LED Modules
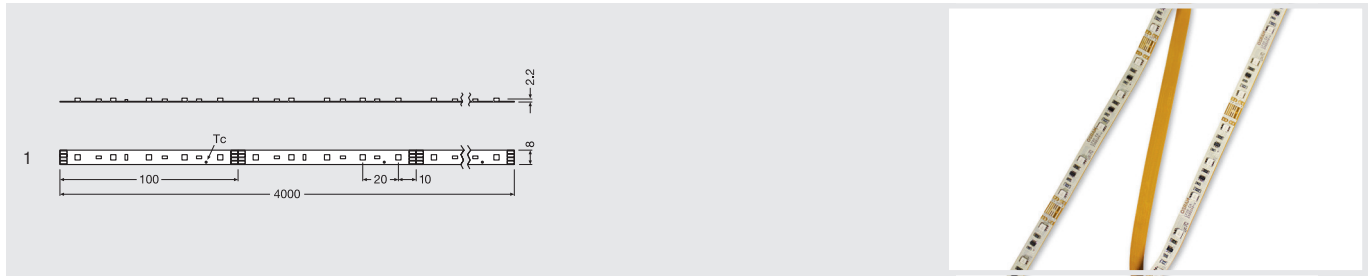
LINEARlight Colormix Flex

Product reference	Product number	Voltage [V]	Power [W]	Nominal wattage per meter [W]	Light color	Power factor [λ]	Luminous flux per meter [lm]	Luminous flux [lm]	Beam Angle [°]	Number of LEDs per meter	Standard pack in PCS.	Fig. no.
LF05CA2-RGB3	4008321851536	24	72	18	RGB	625 / 525 / 465	470	1880	120	50	8	1

Product features
— Flexible and splittable LED strip with inline multichip RGB LEDs

Product benefits
— Uniform color changing
— Great design freedom with flexibility and cuttability of module
— Simple mounting and connection
— Toolless connection with the optional CONNECTsystem
— Easy mounting on many smooth surfaces thanks to self-adhesive tape at the back

Areas of application
— Effect lighting in architecture
— Injection of light into displays and low-profile light guides
— Dynamic effects in public zones

LINEARlight POWER Flex Protect
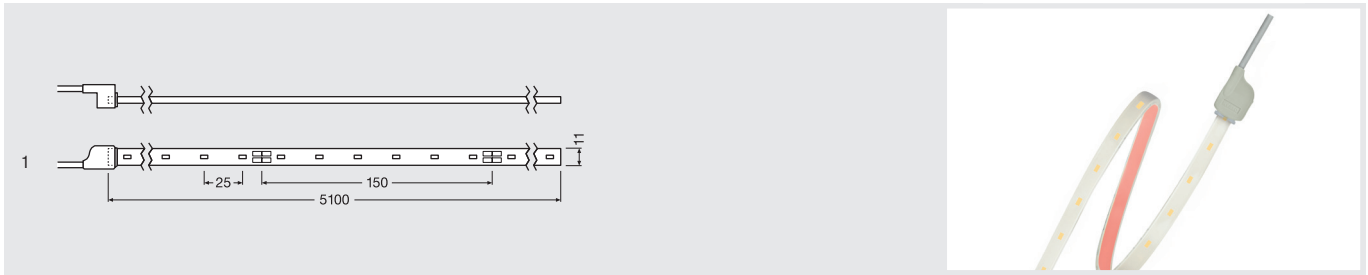
Product reference	Product number	Voltage [V]	Power [W]	Nominal wattage per meter [W]	Light color	Luminous flux per meter [lm]	Luminous flux [lm]	Beam Angle [°]	Number of LEDs per meter	Standard pack in PCS.	Fig. no.
LF06P2-W4F-830-P	4008321790668	24	96	18.8	white	1250	6375	120	40	8	1
LF06P2-W4F-840-P	4008321789945	24	96	18.8	white	1400	7140	120	40	8	1
LF06P2-W4F-876-P	4008321789969	24	88	17.3	white	1400	7140	120	40	8	1

Product features
— Flexible and cuttable LED strip
— Luminous flux: up to 1400lm/m
— Type of protection: IP67
— Dimmable
— Fine White (3.5 SDCM)
— Salt mist proof
— Highly UV-resistant

Product benefits
— High luminous flux
— Great design freedom with flexibility and cuttability of module
— High-performance silicon for extremely long life and flexibility
— Simple connection with premounted connectors
— Extraordinary design and high quality materials
— Toolless connection with the optional CONNECTsystem
— Easy mounting on many smooth surfaces with self-adhesive tape

Areas of application
— Facade accent lighting, ceiling integration, wall integration, cove lighting, machine lighting, path lighting
— Suitable for outdoor use

LINEARlight Flex® Protect ShortPitch
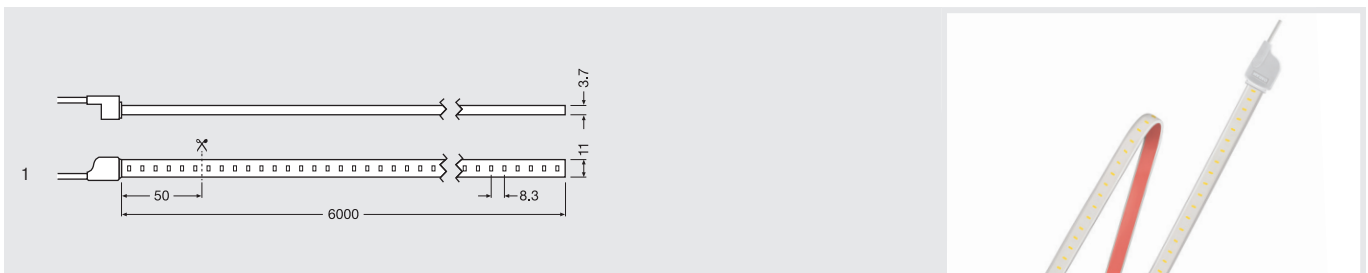
Product reference	Product number	Voltage [V]	Power [W]	Nominal wattage per meter [W]	Light color	Luminous flux per meter [lm]	Luminous flux [lm]	Beam Angle [°]	Number of LEDs per meter	Standard pack in PCS.	Fig. no.
LF06S-830-P	4052899091979	24	57.6	9.6	white	700	4200	120	120	8	1
LF06S-840-P	4052899092150	24	57.6	9.6	white	700	4200	120	120	8	1
LF06S-854-P	4052899092273	24	52.8	9.6	white	760	7560	120	120	8	1
LF06S-876-P	4052899092396	24	57.6	9.6	white	760	7560	120	120	8	1

Product features
— Flexible and cuttable LED strip
— Luminous flux: up to 760lm/m
— Type of protection: IP67
— Dimmable
— Fine White (3.5 SDCM)
— Salt mist proof
— Highly UV-resistant

Product benefits
— Very small LED spacing
— Great design freedom with flexibility and cuttability of module
— High-performance silicon for extremely long life and flexibility
— Simple connection with premounted connectors
— Extraordinary design and high quality materials
— Toolless connection with the optional CONNECTsystem
— Easy mounting on many smooth surfaces with self-adhesive tape

Areas of application
— Suitable for outdoor use

LED Modules

LINEARlight Flex® Protect ADVANCED
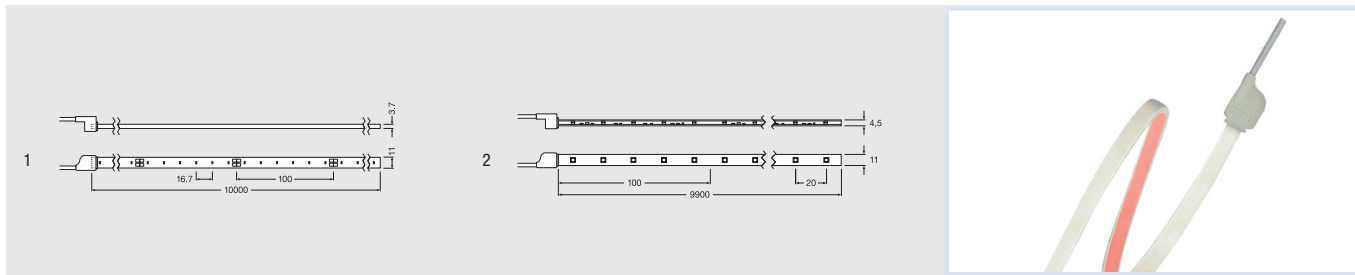
Product reference	Product number	Voltage [V]	Power [W]	Nominal wattage per meter [W]	Color temp. [K]	Light color	Luminous flux per meter [lm]	Luminous flux [lm]	Beam Angle [°]	Number of LEDs per meter	Standard pack in PCS.	Fig. no.
LF06A-W3F-830-P	4008321789983	24	50	5	3000	white	350	3500	120	60	8	1
LF06A-W3F-840-P	4008321790125	24	50	5	4000	white	390	3900	120	60	8	1
LF06A-W3F-870-P	4008321790149	24	50	5	7000	white	390	3900	120	60	8	1
LF05A-B3-P	4008321617804	24	72	7.3	-	blue	80	770	120	50	8	2

Product features

— Flexible and cuttable LED strip
— Luminous flux: up to 390lm/m
— Type of protection: IP67
— Dimmable
— Fine White (3.5 SDCM)
— Salt mist proof
— Highly UV-resistant

Areas of application

— Cove lighting, wall integration, hand rails and corridors
— Machine lighting, path lighting, signage
— Suitable for outdoor use

Product benefits

— Very long for seamless bands of light
— Great design freedom with flexibility and cuttability of module
— High-performance silicon for extremely long life and flexibility
— Simple connection with premounted connectors
— Extraordinary design and high quality materials
— Toolless connection with the optional CONNECTsystem
— Easy mounting on many smooth surfaces with self-adhesive tape

LINEARlight Colormix Flex Protect
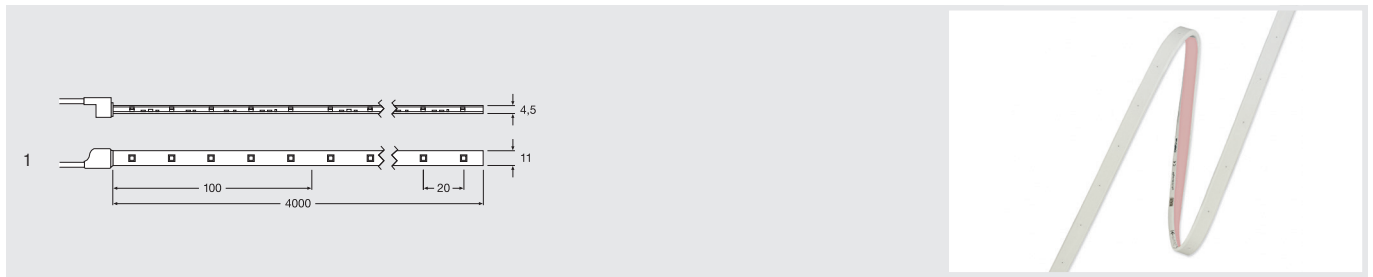
Product reference	Product number	Voltage [V]	Power [W]	Nominal wattage per meter [W]	Light color	Luminous flux per meter [lm]	Luminous flux [lm]	Beam Angle [°]	Number of LEDs per meter	Standard pack in PCS.	Fig. no.
LF05CA-RGB3-P	4008321977205	24	72	18	RGB	435	1740	120	50	8	1

Product features
— Flexible and splittable LED strip with inline multichip RGB LEDs
— Type of protection: IP67
— Dimmable
— Salt mist proof
— Highly UV-resistant

Product benefits
— Uniform color changing
— Great design freedom with flexibility and cuttability of module
— High-performance silicon for extremely long life and flexibility
— Simple connection with premounted connectors
— Extraordinary design and high quality materials
— Toolless connection with the optional CONNECTsystem
— Easy mounting on many smooth surfaces with self-adhesive tape

Areas of application
— Facade accent lighting
— Effect lighting in architecture
— Edge coupling
— Path lighting
— Suitable for outdoor use
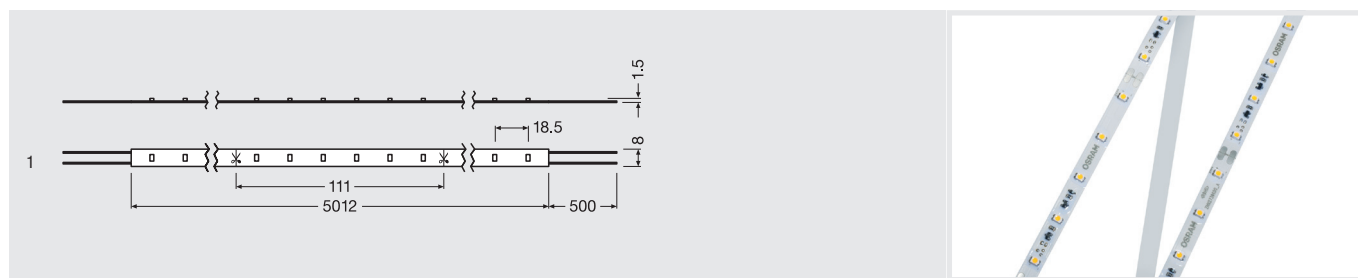
LED Modules

Value Flex POWER

Product reference	Product number	Voltage [V]	Power [W]	Nominal wattage per meter [W]	Color temp. [K]	Light color	Luminous flux per meter [lm]	Luminous flux [lm]	Beam Angle [°]	Number of LEDs per meter	Standard pack in PCS.	Fig. no.
VF06P-W4F-827	4052899928756	24	62	12.4	2700	white	850	4250	120	54	8	1
VF06P-W4F-830	4052899928763	24	62	12.4	3000	white	850	4250	120	54	8	1
VF06P-W4F-840	4052899928770	24	62	12.4	4000	white	900	4500	120	54	8	1
VF06P-W4F-865	4052899928787	24	62	12.4	6500	white	1000	5000	120	54	8	1

Product features

— Flexible LED strip
— Multi-cuttable LED strip
— Self-cooling
— Luminous flux: up to 900lm/m
— Module efficacy: up to 72lm/W
— High color consistency: 4 SDCM

Product features

— Easy mounting on many smooth surfaces with self-adhesive tape

Areas of application

— Hospitality
— Cove lighting
— Shelf lighting
— General illumination
— Accent lighting

Value Flex ADVANCED
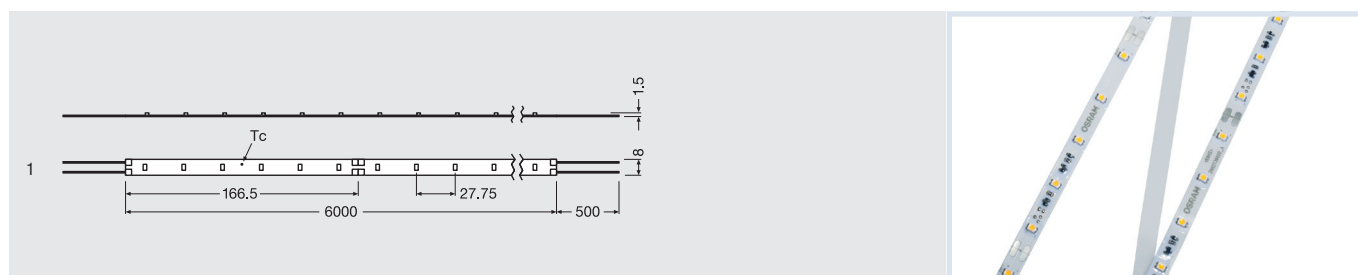
Product reference	Product number	Voltage [V]	Power [W]	Nominal wattage per meter [W]	Color temp. [K]	Light color	Luminous flux per meter [lm]	Luminous flux [lm]	Beam Angle [°]	Number of LEDs per meter	Standard pack in PCS.	Fig. no.
VF06A-W4F-827	4052899928794	24	52	8.7	2700	white	600	3600	120	36	8	1
VF06A-W4F-830	4052899928800	24	52	8.7	3000	white	600	3600	120	36	8	1
VF06A-W4F-840	4052899928817	24	52	8.7	4000	white	633	3800	120	36	8	1
VF06A-W4F-865	4052899928824	24	52	8.7	6500	white	700	4200	120	36	8	1

Product features

— Flexible LED strip
— Multi-cuttable LED strip
— Self-cooling
— Luminous flux: up to 600lm/m
— Module efficacy: up to 70lm/W
— High color consistency: 4 SDCM

Product benefits

— Easy mounting on many smooth surfaces with self-adhesive tape

Areas of application

— Hospitality
— Cove lighting
— Shelf lighting
— Accent lighting

Value Flex ECO
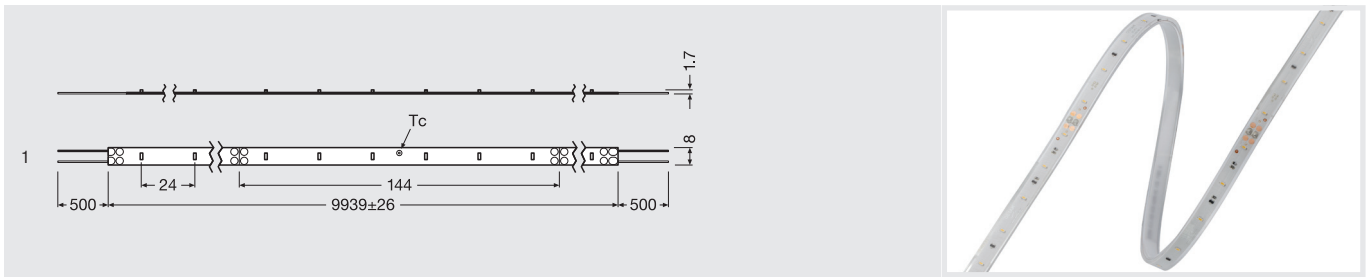
Product reference	Product number	Voltage [V]	Power [W]	Nominal wattage per meter [W]	Color temp. [K]	Light color	Luminous flux per meter [lm]	Luminous flux [lm]	Beam Angle [°]	Number of LEDs per meter	Standard pack in PCS.	Fig. no.
VFEG1-FLX-300-827	4052899085176	24	41.4	4.2	2700	white	300	3000	120	42	8	1
VFEG1-FLX-300-830	4052899085275	24	41.4	4.2	3000	white	330	3300	120	42	8	1
VFEG1-FLX-300-865	4052899085350	24	41.4	4.2	6500	white	340	3400	120	42	8	1

Product features
— Luminous flux: up to 340lm/m
— Module efficacy: up to 80lm/W
— Self-cooling
— High color consistency: 4 SDCM

Product benefits
— Prewired LED strip for quick mounting
— Easy mounting on many smooth surfaces with self-adhesive tape at the back
— Energy saving thanks to high luminous efficacy
— Homogeneous light output and high color consistency

Areas of application
— Hospitality
— Cove lighting
— Under cabinet lighting

LED Modules

Value Flex IP POWER
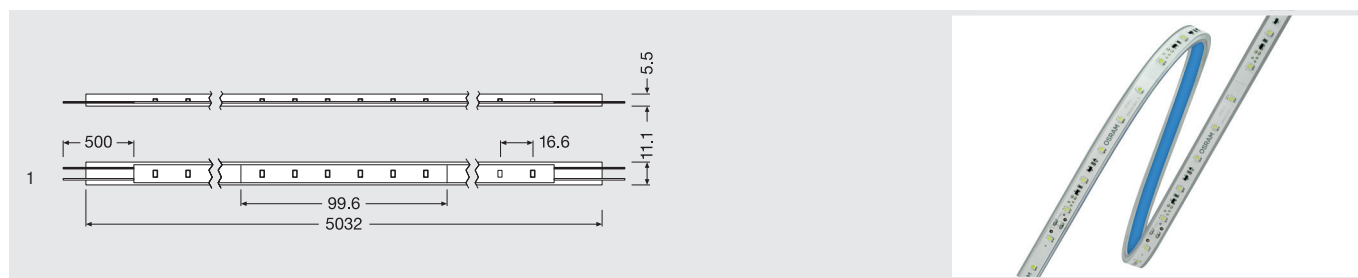
Product reference	Product number	Voltage [V]	Power [W]	Nominal wattage per meter [W]	Color temp. [K]	Light color	Luminous flux per meter [lm]	Luminous flux [lm]	Beam Angle [°]	Number of LEDs per meter	Standard pack in PCS.	Fig. no.
VI06P-W4F-830	4052899928718	24	68	13.6	3000	white	879	4250	120	60	8	1
VI06P-W4F-860	4052899928725	24	68	13.6	6000	white	850	4250	120	60	8	1

Product features
— Flexible LED strip
— Luminous flux: up to 800lm/m
— High color consistency: 4 SDCM
— Type of protection: IP66

Product benefits
— Protection class IP66 with prewired LED strip
— Easy mounting on many smooth surfaces with self-adhesive tape

Areas of application
— Architecture lighting
— Path lighting
— Accent lighting
— Wall integration

Value Flex IP ADVANCED
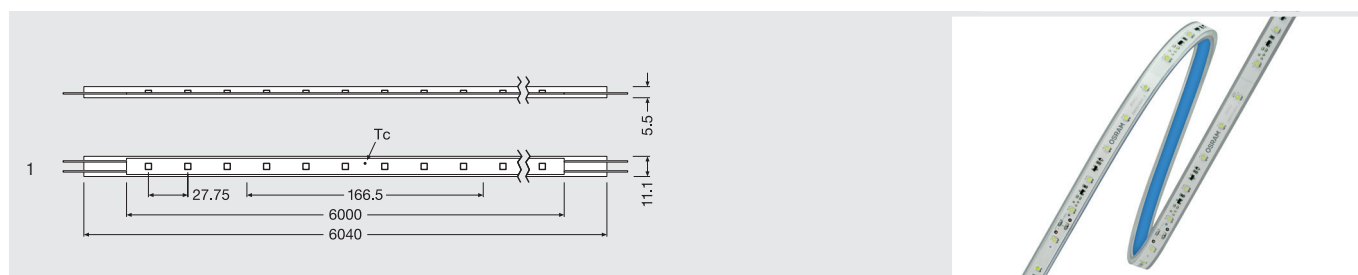
Product reference	Product number	Voltage [V]	Power [W]	Nominal wattage per meter [W]	Color temp. [K]	Light color	Luminous flux per meter [lm]	Luminous flux [lm]	Beam Angle [°]	Number of LEDs per meter	Standard pack in PCS.	Fig. no.
VI06A-W4F-830	4052899928732	24	52	8.7	3000	white	570	3420	120	36	8	1
VI06A-W4F-860	4052899928749	24	52	8.7	6000	white	555	3150	120	36	8	1

Product features
— Flexible LED strip
— Self-cooling
— Luminous flux: up to 500lm/m
— High color consistency: 4 SDCM
— Type of protection: IP66

Product benefits
— Protection class IP66 with prewired LED strip
— Easy mounting on many smooth surfaces with self-adhesive tape

Areas of application
— Architecture lighting
— Path lighting
— Accent lighting

Value Flex IP ECO
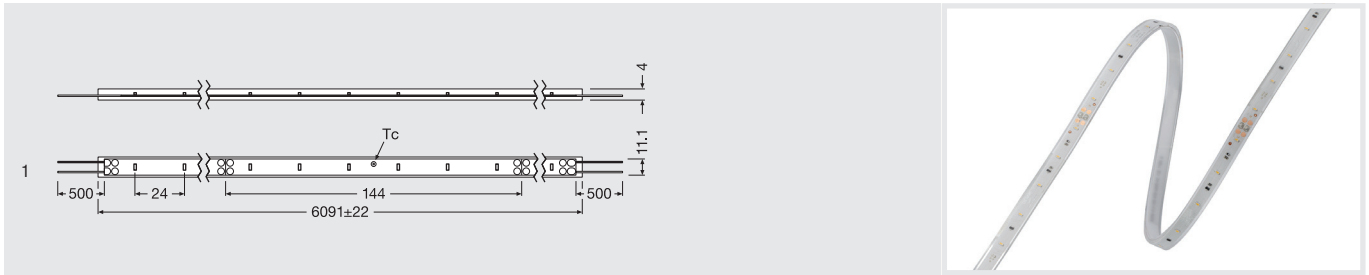
Product reference	Product number	Voltage [V]	Power [W]	Nominal wattage per meter [W]	Color temp. [K]	Light color	Luminous flux per meter [lm]	Luminous flux [lm]	Beam Angle [°]	Number of LEDs per meter	Standard pack in PCS.	Fig. no.
VFEPG1-FLX-300-830	4052899084971	24	25.2	4.2	3000	white	250	1500	120	42	8	1
VFEPG1-FLX-300-860	4052899085077	24	25.2	4.2	6000	white	280	1680	120	42	8	1

Product features
— Type of protection: IP66
— Self-cooling
— Luminous flux: up to 290lm/m
— Low profile: 4mm
— High color consistency: 4 SDCM
— Multi-cuttable LED strip
— Matches with SLIMCONNECTsystem FLEX IP54
— Type of protection: IP54 (when connected with SLIMCONNECTsystem FLEX IP54)
— Protection against water according to IP66

Product benefits
— Easy mounting on many smooth surfaces with self-adhesive tape
— Lighter, slimmer and brighter compared to predecessor due to its lower profile

Areas of application
— Wet or damp areas
— Path lighting
— Architecture lighting
— Wall integration
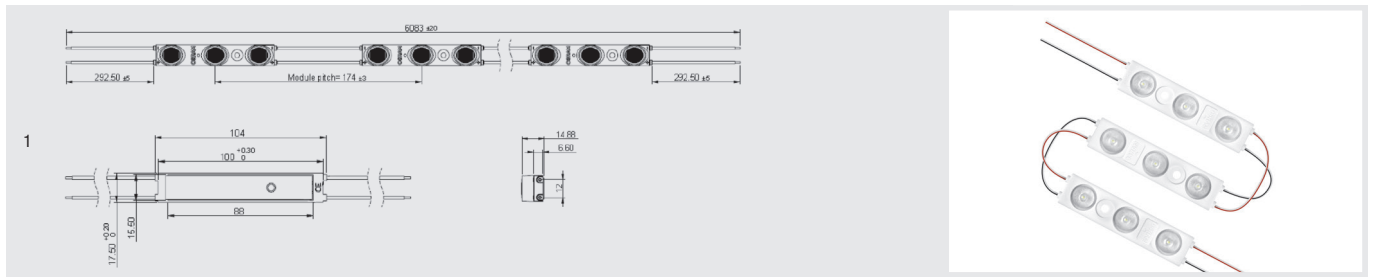
LED Modules

BoxLED® XS Plus G15

Product reference	Product number	Voltage [V]	Wattage of chain [W]	Module wattage [W]	Color temp. [K]	Light color	Luminous flux of chain	Luminous flux of module	Beam Angle [°]	Standard pack in PCS.	Fig. no.
BX-XS-PL-765 G15	4052899269651	12	60	1.88	6500	cool white	4336	135	34 x 12	5	1
BX-XS-PL-840 G15	4052899269736	12	60	1.88	4000	white	3652	114	34 x 12	5	1
BX-XS-PL-830 G15	4052899269811	12	60	1.88	3000	warm white	3652	114	34 x 12	5	1

Product features
— Chain of 32 LED modules
— Connected with flexible cables
— Type of protection (modules): IP66
— Special robust encapsulation

Product benefits
— Elliptical Optics (close beam angle to receive perfect light reflection inside a light box)
— PCB and LEDs are protected inside a complete over-molded housing
— Mounting profile for faster installation available
— Very long lifetime

Areas of application
— Signage and illuminated advertising
— Backlighting in single and double-sided light boxes (side lighting)
— Permanent outdoor use in enclosed light boxes

BoxLED® Side Plus
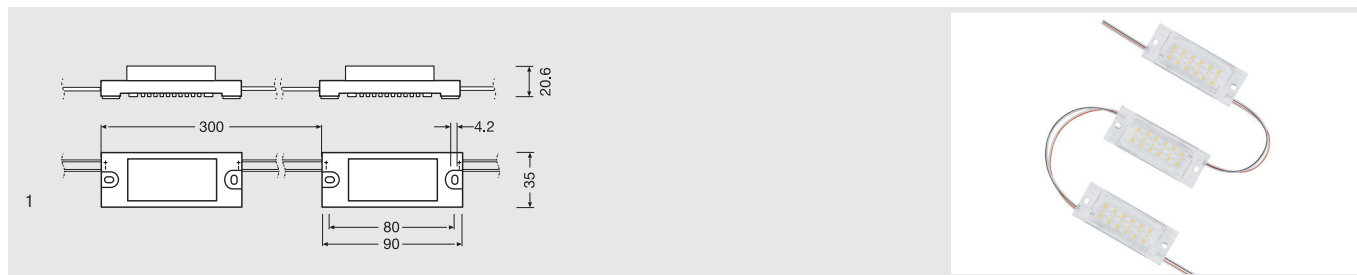
Product reference	Product number	Voltage [V]	Wattage of chain [W]	Module wattage [W]	Color temp. [K]	Light color	Luminous flux of chain	Luminous flux of module	Beam Angle [°]	Standard pack in PCS.	Fig. no.
BX06SA-W4F-765	4008321828606	24	115.2	3.6	6500	white	9280	290	12 x 65	1	1
BX06SA-W4F-830	4008321828767	24	115.2	3.6	3000	white	7680	240	12 x 65	1	1
BX06SA-W4F-840	4008321828682	24	115.2	3.6	4000	white	7680	240	12 x 65	1	1

Product features
— Chain of 32 linear LED modules
— Connected with flexible cables
— Maximum length of one chain: 9.60m
— Type of protection (modules): IP66
— Special robust encapsulation
— Fully integrated heat sink

Product benefits
— Modules are compatible with the BoxLED® mounting profile
— Uniform illumination with optimized elliptical lenses
— Several options for quick and simple mounting: bolting or snap-in
— Excellent module efficacy
— Very long lifetime

Areas of application
— Signage and illuminated advertising
— Backlighting in single and double-sided light boxes (side lighting)
— Permanent outdoor use in enclosed light boxes

BoxLED® L Plus G15
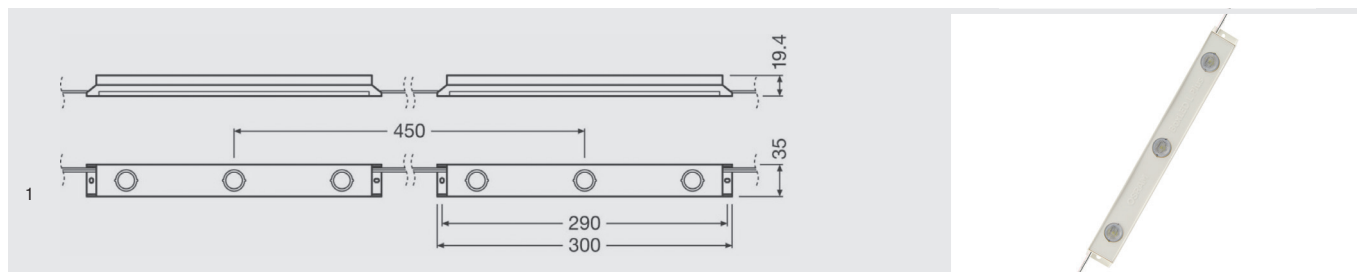
Product reference	Product number	Voltage [V]	Wattage of chain [W]	Module wattage [W]	Color temp. [K]	Light color	Luminous flux of chain	Luminous flux of module	Beam Angle [°]	Standard pack in PCS.	Fig. no.
BX-L-PL 865 G15	4052899201088	12	60	7.5	6500	cool white	4440	555	15 x 53.5	5	1
BX-L-PL 840 G15	4052899200968	12	60	7.5	4000	white	4288	536	15 x 53.5	5	1
BX-L-PL 830 G15	4052899200517	12	60	7.5	3000	warm white	3600	450	15 x 53.5	5	1

Product features
— Chain of 8 LED modules
— Connected with flexible cables
— Type of protection (modules): IP66
— Special robust encapsulation

Product benefits
— Elliptical Optics (close beam angle to receive perfect light reflection inside a light box)
— PCB and LEDs are protected inside a complete over-molded housing
— Mounting profile for faster installation available
— Very long lifetime

Areas of application
— Signage and illuminated advertising
— Backlighting in single and double-sided light boxes (side lighting)
— Permanent outdoor use in enclosed light boxes

LED Modules

BoxLED® Back Plus G15
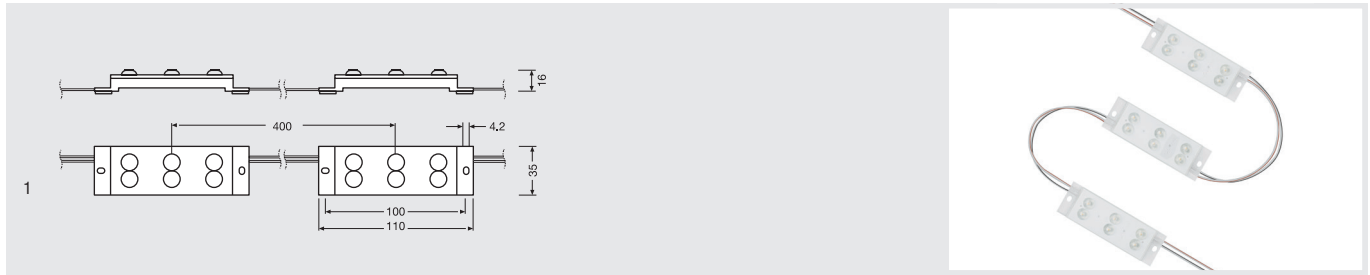
Product reference	Product number	Voltage [V]	Wattage of chain [W]	Module wattage [W]	Color temp. [K]	Light color	Luminous flux of chain	Luminous flux of module	Beam Angle [°]	Standard pack in PCS.	Fig. no.
BX-PL 865 G15	4052899238633	24	99.2	3.1	6500	cool white	9600	300	155	5	1
BX-PL 840 G15	4052899238626	24	99.2	3.1	4000	white	9280	290	155	5	1
BX-PL 830 G15	4052899238619	24	99.2	3.1	3000	warm white	8640	270	155	5	1

Product features

— Chain of 32 linear LED modules
— Connected with flexible cables
— Maximum length of one chain: 12.80m
— Type of protection (modules): IP66
— Special robust encapsulation
— Fully integrated heat sink

Product benefits

— Modules are compatible with the BoxLED® mounting profile
— Uniform illumination at high LED pitches thanks to Flat Ray technology
— Several options for quick and simple mounting: bolting or snap-in
— Excellent module efficacy
— Very long lifetime

Areas of application

— Signage and illuminated advertising
— Backlighting in single and double-sided light boxes (backlighting)
— Permanent outdoor use in enclosed light boxes

BoxLED® Back DS Plus G15
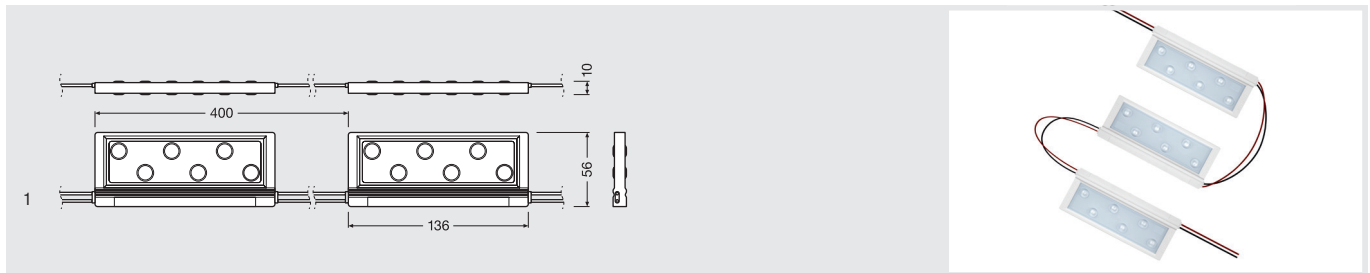
Product reference	Product number	Voltage [V]	Wattage of chain [W]	Module wattage [W]	Color temp. [K]	Light color	Luminous flux of chain	Luminous flux of module	Beam Angle [°]	Standard pack in PCS.	Fig. no.
BX-DS-PL 865 G15	4052899232419	24	99.2	6.2	6500	cool white	9760	310	155	5	1

Product features

— Chain of 16 linear LED modules
— Connected with flexible cables
— Maximum length of one chain: 6.40m
— Type of protection (modules): IP66
— Special robust encapsulation
— Fully integrated heat sink

Product benefits

— Modules compatible with the BoxLED® DS mounting profile
— Uniform illumination at high LED pitches with Flat Ray technology
— Quick, simple and tool-free snap-in fixing of LED modules to mounting profiles
— Excellent module efficacy
— Very long lifetime

Areas of application

— Signage and illuminated advertising
— Backlighting in double-sided light boxes and pylons
— Permanent outdoor use in enclosed light boxes

BackLED Plus (Mini, S, M, L G15)
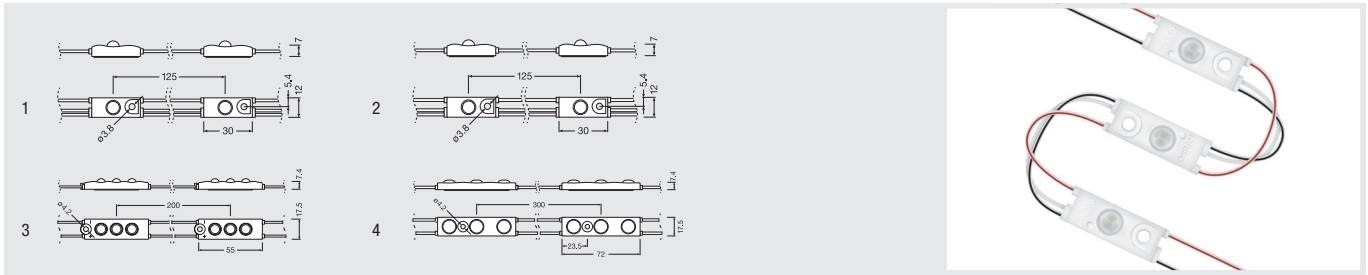
Product reference	Product number	Voltage [V]	Wattage of chain [W]	Module wattage [W]	Color temp. [K]	Light color	Luminous flux of chain	Luminous flux of module	Beam Angle [°]	Standard pack in PCS.	Fig. no.
BackLED Mini Plus											
BA01SX-W4F-765	4052899082724	12	28.8	0.16	6500	white	1530	17	155	5	1
BA01SX-W4F-840	4052899082809	12	28.8	0.16	4000	white	1260	14	155	5	1
BA01SX-W4F-830	4052899082885	12	28.8	0.16	3000	white	1125	12.5	155	5	1
BackLED S Plus											
BA01SB-W4F-765	4008321848406	12	28.8	0.32	6500	white	2790	31	155	5	2
BA01SB-W4F-840	4008321848482	12	28.8	0.32	4000	white	2340	26	155	5	2
BA01SB-W4F-830	4008321848567	12	28.8	0.32	3000	white	2070	23	155	5	2
BA01SB-B3	4008321848642	12	14.4	0.32	-	blue	270	6	155	5	2
BackLED M Plus											
BA03MA-W4F-765	4008321848284	12	28.8	0.72	6500	white	3000	75	155	5	3
BA03MA-W4F-840	4008321848208	12	28.8	0.72	4000	white	2520	63	155	5	3
BA03MA-W4F-830	4008321848123	12	28.8	0.72	3000	white	2200	75	155	5	3
BA03MA-O2	4008321848383	12	28.8	0.72	-	orange	960	24	155	5	3
BA03MA-R2	4008321848369	12	28.8	0.72	-	red	720	18	155	5	3
BackLED L Plus G15											
BA-L-PL 865 G15	4052899240872	12	51.2	1.6	6500	cool white	4800	150	155	5	4
BA-L-PL 840 G15	4052899240896	12	51.2	1.6	4000	white	4640	145	155	5	4
BA-L-PL 830 G15	4052899240919	12	51.2	1.6	3000	warm white	4320	135	155	5	4

BackLED Mini Plus

Product benefits
— Flexible reel comprising two chains each having 90 LED modules
— Specially designed optics provide uniform backlighting
— Best-in-class application efficiency

Areas of application
— Signage and illuminated advertising
— Backlighting in small and flat channel letters

BackLED S Plus

Product benefits
— Flexible chain comprising 90 LED modules
— Specially designed optics provide uniform backlighting
— Best-in-class application efficiency

Areas of application
— Signage and illuminated advertising
— Backlighting in small and flat channel letters

BackLED M Plus

Product benefits
— Flexible chain comprising 40 LED modules
— Specially designed optics provide uniform backlighting
— Best-in-class application efficiency

Areas of application
— Signage and illuminated advertising
— Backlighting in standard size channel letters
— Backlighting in flat light box

BackLED L Plus G15

Product benefits
— Flexible chain comprising 32 LED modules
— Specially designed optics provide uniform backlighting
— Best-in-class application efficiency

Areas of application
— Signage and illuminated advertising
— Backlighting in large channel letters
— Backlighting in large light box

BackLED XS Basic G15

Product reference	Product number	Voltage [V]	Wattage of chain [W]	Module wattage [W]	Color temp. [K]	Light color	Luminous flux of chain	Luminous flux of module	Beam Angle [°]	Standard pack in PCS.	Fig. no.
BA-XS-BC 865 G15	4052899226241	12	12	0.24	6500	cool white	1050	21	120	5	1

Product features

— Chain of 50 LED modules
— Connected with flexible cables
— Type of protection (modules): IP66
— Special robust encapsulation

Product benefits

— Modules are compatible with BackLED mounting profile
— Several options for quick and simple mounting: bolting or snap-in
— Excellent module efficacy
— Long lifetime

Areas of application

— Signage and illuminated advertising
— Backlighting of small size channel letters
— Backlighting of small single-sided light boxes
— Permanent outdoor use in enclosed light boxes or channel letters

BackLED M Basic G15
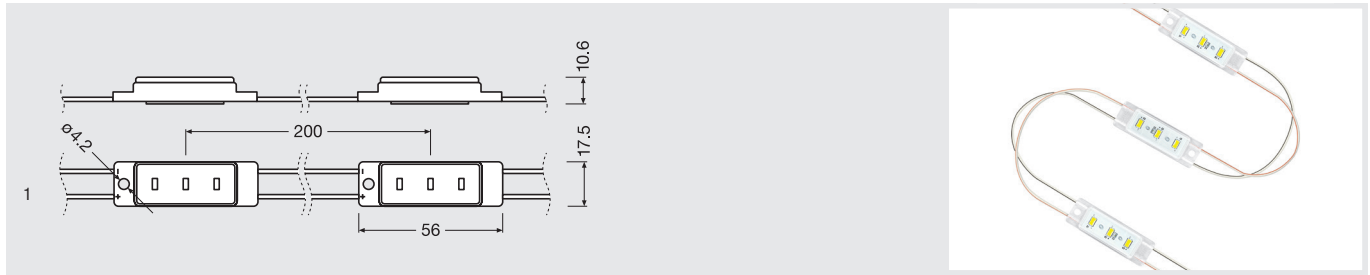
Product reference	Product number	Voltage [V]	Wattage of chain [W]	Module wattage [W]	Color temp. [K]	Light color	Luminous flux of chain	Luminous flux of module	Beam Angle [°]	Standard pack in PCS.	Fig. no.
BA-M-BC 865 G15	4052899231979	12	30	0.78	6500	cool white	3078	81	120	5	1

Product features

— Chain of 38 LED modules
— Connected with flexible cables
— Maximum length of one chain: 8.0m
— Protection class of LED module: IP66
— Special robust encapsulation
— Fully integrated heat sink

Product benefits

— Modules are compatible with BackLED mounting profile
— Several options for quick and simple mounting: bolting or snap-in
— Excellent module efficacy
— Long lifetime

Areas of application

— Signage and illuminated advertising
— Backlighting in medium to large size channel letters
— Backlighting in single and double-sided light boxes
— Permanent outdoor use in enclosed light boxes or channel letters

BackLED L Basic G15
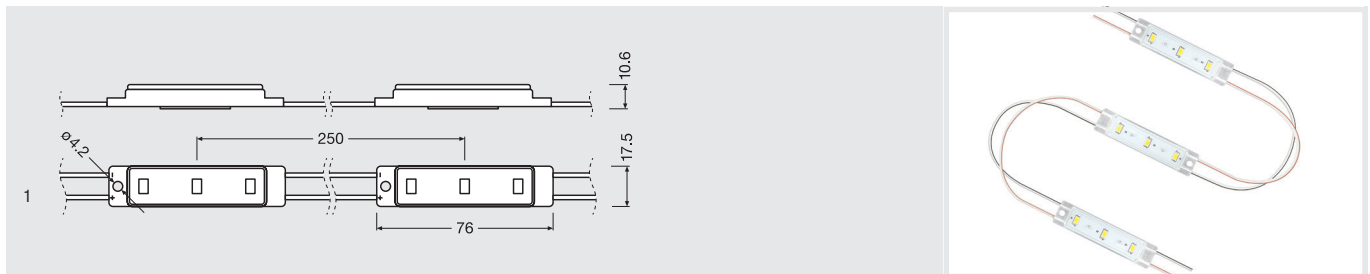
Product reference	Product number	Voltage [V]	Wattage of chain [W]	Module wattage [W]	Color temp. [K]	Light color	Luminous flux of chain	Luminous flux of module	Beam Angle [°]	Standard pack in PCS.	Fig. no.
BA-L-BC 865 G15	4052899231931	12	55.2	1.38	6500	cool white	5800	145	120	5	1

Product features

— Chain of 40 LED modules
— Connected with flexible cables
— Maximum length of one chain: 9.0m
— Protection class of LED module: IP66
— Special robust encapsulation
— Fully integrated heat sink

Product benefits

— Modules are compatible with BackLED mounting profile
— Several options for quick and simple mounting: bolting or snap-in
— Excellent module efficacy
— Long lifetime

Areas of application

— Signage and illuminated advertising
— Backlighting in large and/or deep channel letters
— Backlighting in single and double-sided light boxes
— Permanent outdoor use in enclosed light boxes or channel letters

LED Modules

BackLED S Indoor
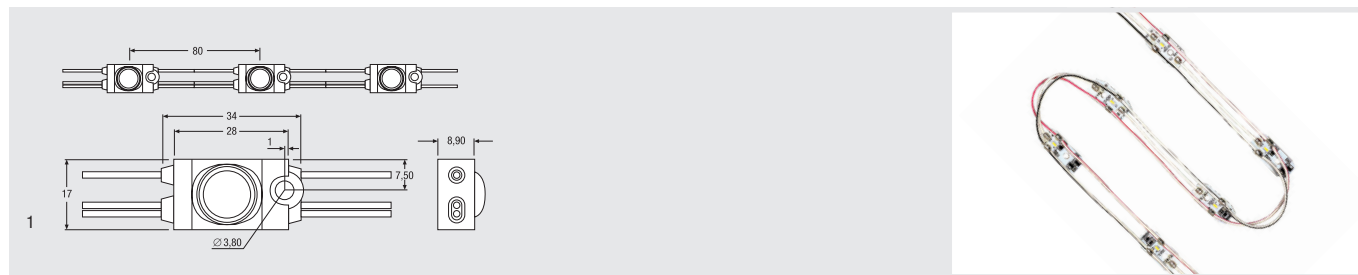
Product reference	Product number	Voltage [V]	Wattage of chain [W]	Module wattage [W]	Color temp. [K]	Light color	Luminous flux of chain	Luminous flux of module	Beam Angle [°]	Standard pack in PCS.	Fig. no.
BI01SA-W4F-765	4008321868527	12	28.8	0.24	6500	white	25	3000	120	8	1
BI01SA-R2	4008321868602	12	28.8	0.24	-	red	6.4	768	120	8	1

Product features

— LED reel comprising 120 LED modules connected by flexible cables

— The maximum length of the entire reel is 2 x 4.8 = 9.60m

— The maximum LED pitch is 80mm

— One LED per module

— Minimum operating unit after cutting the chain is three modules

— Mounting holes (Ø 3mm) and pre-mounted adhesive tape allow for easy mounting

— Optimal operation on OPTOTRONIC® 12V power supplies

— Parallel connection up to two LED chains with power feed in the centre of one OT 30W

— Only parallel connection allowed

— Conformal coating protects against condensation

Product benefits

— One reel comes with two chains each comprising 60 LED modules

— Easy and fast installation

— Suitable for any shape of channel letter

— Outstanding uniformity

Areas of application

— Signage and illuminated advertising

— Backlighting in indoor small size channel letters

— Backlighting in indoor light box

BackLED M Indoor
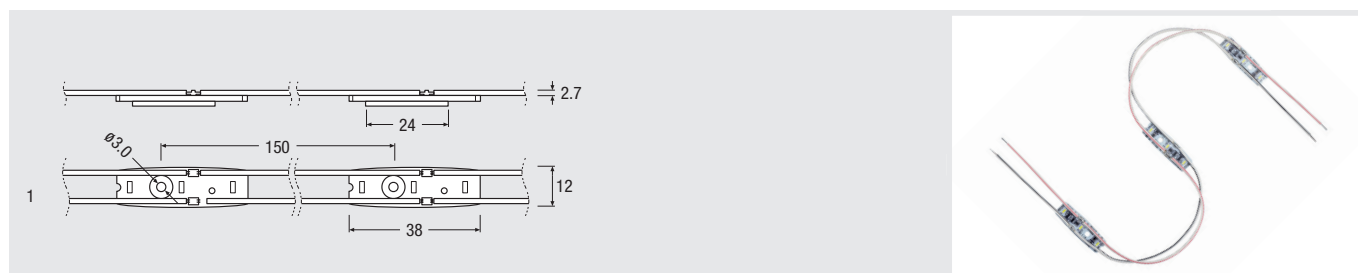
Product reference	Product number	Voltage [V]	No. of LEDs per reel	Module wattage [W]	Color temp. [K]	Light color	Luminous flux of chain	Luminous flux of module	Beam Angle [°]	Standard pack in PCS.	Fig. no.
BI03MA-W4F-765	4052899157323	12	40	0.72	6500	white	-	-	120	8	1

Product features

— LED reel comprising 80 LED modules connected by flexible cables

— The maximum length of the chain is 6.00m

— The maximum LED pitch is 150mm

— Three LED per module

— Minimum operating unit after cutting the chain is one module

— Optimal operation on OPTOTRONIC® 12V power supplies

— Mounting hole (Ø 3mm) allows easy installation with screws

— Parallel connection up to two LED chains with power feed in the centre of one OT 60W

— Conformal coating protects against condensation

Product benefits

— One reel comes with two chains each comprising 40 LED modules

— Easy and fast installation

Areas of application

— Signage and illuminated advertising

— Backlighting in indoor medium size channel letters

— Backlighting in indoor light box

As flexible as your requirements – customised LED modules

The design of efficient lighting solutions often calls for customised components in order to meet individual requirements. In special applications, the best efficiency and performance combined with low cost of ownership and low maintenance requirements can only be achieved by a system specifically developed for this purpose. In terms of efficiency, light quality and flexibility, OSRAM is able to adapt its standard LED modules to suit your needs. Based on continuous product development and our broad portfolio of patents, our experts use a wide range of state-of-the-art technologies to ensure reliable, high-performance and future-proof lighting systems which fulfill your individual objectives.

Discrete LED   **LED module**   **System**
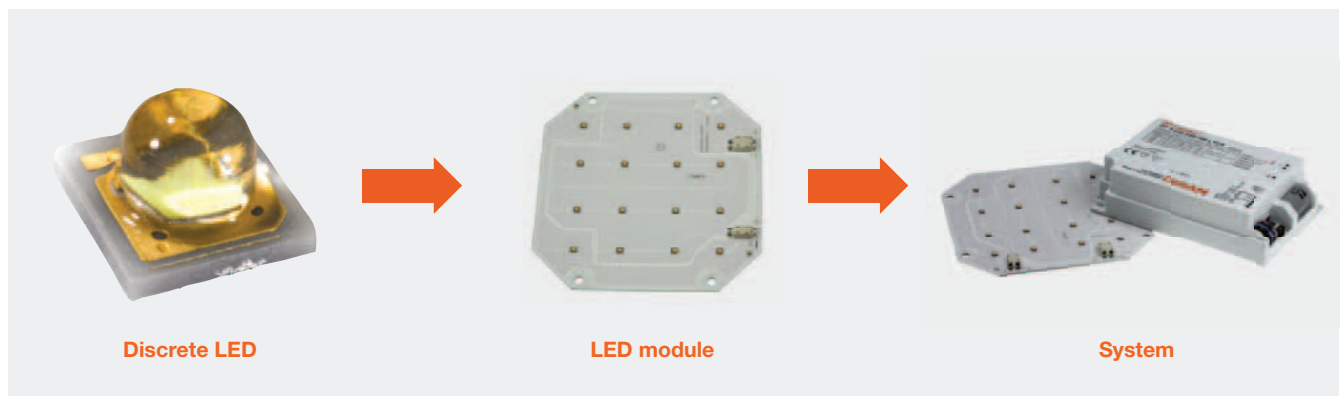
In order to reply quickly to market needs, OSRAM provides:

— Customised module adapted to your requirement in SSL business
— World-class LED technologies from LED chip to complete system solution
— Design and manufacturing excellence – proven by extensive standard portfolio

— Application support
— Global sites of manufacturing and global sales offices
— Patent protection
— One face to the customer – dedicated contact to follow your projects and ideas

SSL DESIGN CENTER
Application-driven lighting competence

| Optical design | Thermal design | Mechanical design | Electrical design | Manufacturing processes | LED technology |

- Global OSRAM product development process
- Broad patent portfolio and continuous IP generation
- Active participation in standard committees

03
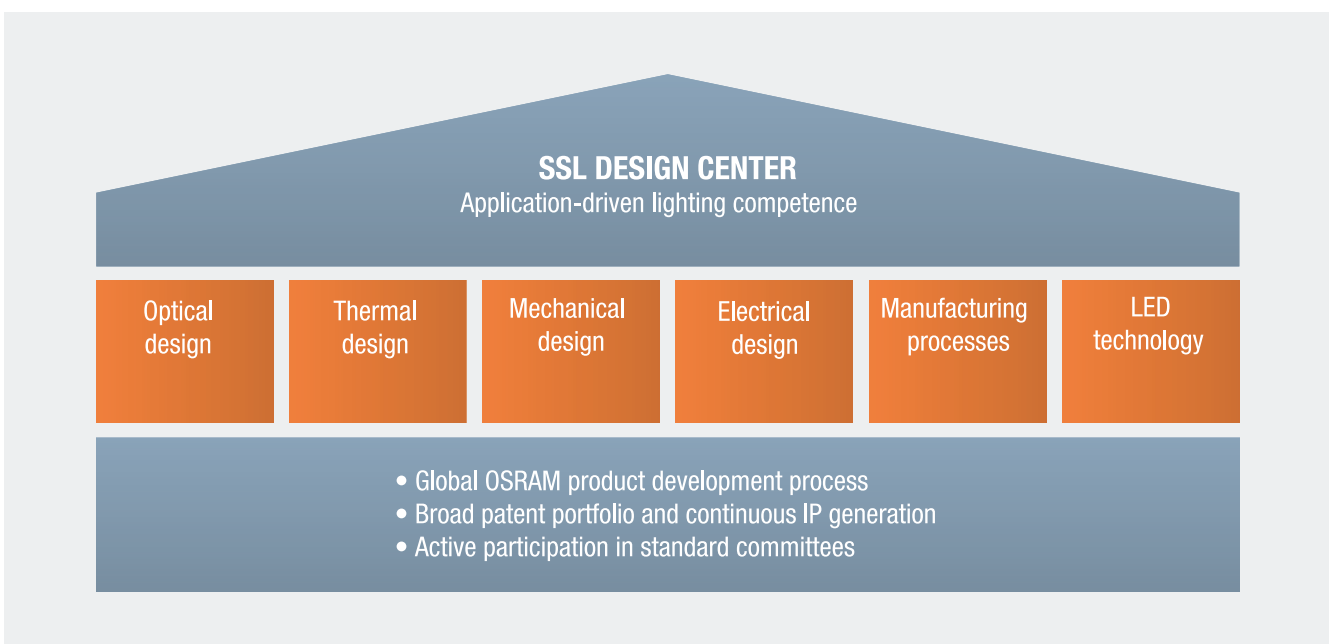
Electronic Control Gear

LEDs herald the start of an energy-efficient and flexible future. However, the numerous benefits of LEDs can only be achieved in a perfectly matched system. The solution: OSRAM's ECG. With an exceptionally wide range of products, OSRAM's ECG supports the goal to an energy efficient future.

Electronic Control Gear | Contents

Electronic Control Gear

OPTOTRONIC® Intelligent –
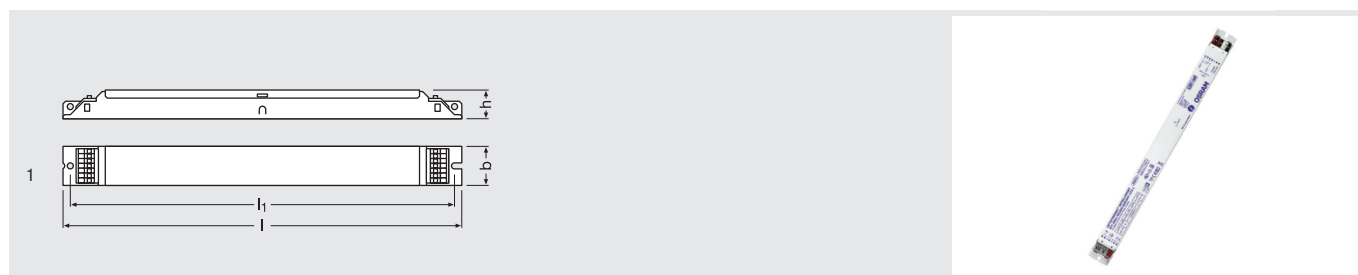# Linear / Area constant current LED power supplies – Dimmable DALI

Product reference	Product number	Power [W]	Input voltage [V]	DC voltage [V]	Output voltage [V]	Rated current [mA]	Dimm-able	Dimming range	Ambient temperature range in °C	Type of protection	Length l / l1 [mm]	Width b [mm]	Height h [mm]	Standard pack in PCS.	Fig. no.
SELV															
OTi DALI 35/220-240/700 LT2 L	4052899245389	37	198-264	176-276	20-54	200-700	Yes	1-100%	-25-+60	IP20	360 / 350	30	21	20	1
OTi DALI 50/220-240/1A4 LT2 L	4052899028098	54	198-264	176-276	20-54	600-1400	Yes	1-100%	-25-+50	IP20	360 / 350	30	21	20	1
OTi DALI 80/220-240/1A6 LT2 L	4052899028074	80	198-264	176-276	20-54	600-1550	Yes	1-100%	-25-+50	IP20	360 / 350	30	21	20	1
OTi DALI 80/220-240/2A1 LT2 L	4052899028050	80	198-264	176-276	20-54	1000-2100	Yes	1-100%	-25-+45	IP20	360 / 350	30	21	20	1
Non-SELV															
OTi DALI 60/220-240/1A0 LT2 L	4052899188662	60	198-264	176-276	54-240	120-550	Yes	1-100%	-25-+50	IP20	280 / 270	30	21	20	1
OTi DALI 90/220-240/1A0 LT2 L	4008321867568	90	198-264	176-276	54-240	250-1000	Yes	1-100%	-25-+50	IP20	280 / 270	30	21	20	1

Product features
— Supply voltage: 220-240V
— Line frequency: 0Hz / 50Hz / 60Hz
— Line voltage: 198-264V
— Safety according to IEC 61347-1, 61347-2-3, 61347-2-13
— Performance: IEC 62384
— RI suppression according to CISPR15
— Line harmonics according to IEC 61000-3-2
— Immunity according to IEC 61547
— Lifetime: up to 100,000h (temperature at t_c = 65°C, max. 10% failure rate)

Product benefits
— Versatile DALI window driver up to 90W due to flexible output characteristic
— Very high efficiency and reliability
— Protection of the system thanks to thermal management and Smart Control

Versatile scope of features due to DALI (GII) Ideology
— Easy to use in corridors and restrooms because of three-level corridor function
— Touch DIM® application: easy to control via pushbutton or sensor
— Energy efficient Touch DIM® operation due to automatic switch-off
  at sufficient residual light
— Suitable for emergency Installations with DC detection (0Hz, pulsating DC),
  on/off switchable
— Feedback of power consumption and operating hours (Fit for SMART GRID)
— Suitable for buildings according to EPBD/BREEAM/LEED due to
  automatic constant lumen output setting

Areas of application
— Installation in emergency lighting systems according to IEC 61347-2-3, appendix J
— Suitable for use in luminaires with flexible current setting (DALI, CLO, LEDset)
— Suitable for indoor SELV and non-SELV installations
— Suitable for luminaires of protection class I

OPTOTRONIC® FIT –
Linear / Area constant current LED power supplies – Non dimmable

Product reference	Product number	Power [W]	Input voltage [V]	DC voltage [V]	Output voltage [V]	Rated current [mA]	Dimmable	Type of protection	Ambient temperature range in °C	Length l / l1 [mm]	Width b [mm]	Height h [mm]	Standard pack in PCS.	Fig. no.
SELV														
OT FIT 35/220-240/700 CS L	4052899032828	35	198-264	176-276	27-54	700 / 600 / 500	No	IP20	-25-+50	280 / 270	30	21	20	1
OT FIT 50/220-240/1A0 CS L	4052899032804	55	198-264	176-276	27-54	1050 / 925 / 800	No	IP20	-25-+50	280 / 270	30	21	20	1
OT FIT 80/220-240/1A6 CS L	4052899032781	80	198-264	176-276	27-54	1550 / 1400 / 1200	No	IP20	-25-+50	360 / 350	30	21	20	1
Non-SELV														
OT FIT 30/220-240/125 D L	4052899222557	27	198-264	176-276	54-216	125	No	IP20	-15-+50	210	30	21	20	1
OT FIT 50/220-240/250 D L	4052899222571	54	198-264	176-276	54-216	250	No	IP20	-15-+50	210	30	21	20	1
OT FIT 50/220-240/350 D L	4052899222595	52	198-264	176-276	54-150	350	No	IP20	-15-+50	210	30	21	20	1

Product features

— Supply voltage: 220-240V
— Line frequency: 0Hz / 50Hz / 60Hz
— Line voltage: 198-264V
— Safety according to IEC 61347-1, 61347-2-13
— Performance: IEC 62384
— RI suppression according to CISPR15
— Line harmonics according to IEC 61000-3-2
— Immunity according to IEC 61547
— Lifetime: up to 100,000h (temperature at t_c = 65°C, max. 10% failure rate)

Product benefits

— Versatile scope of application due to output power range of up to 80W
— Safety requirement due to overload, overtemperature, Hot Plug protection
— High efficiency and reliability
— Higher quality of light thanks to low output current ripple

Areas of application

— Installation in emergency lighting systems according to IEC 61347-2-3, appendix J (DC capable)
— Suitable for use in luminaires with flexible current setting (Tri-Tap)
— Suitable for indoor SELV equivalent installations
— Suitable for luminaires of protection class I

Electronic Control Gear

OPTOTRONIC® Intelligent –
Compact constant current LED power supplies – Dimmable DALI

Product reference	Product number	Power [W]	Input voltage [V]	DC voltage [V]	Output voltage [V]	Rated current [mA]	Dimm-able	Dimming range	Type of protection	Ambient temperature range in °C	Length l / l1 [mm]	Width b / b1 [mm]	Height h [mm]	Standard pack in PCS.	Fig. no.
SELV															
OTi DALI 25/220-240/700 LT2	4052899919457	27	198-264	176-276	12-54	180-700	Yes	1-100%	IP20	-20-+50	103 / 94	67 / 58	29.5	20	1
OTi DALI 35/220-240/1A0 LT2	4052899919440	35	198-264	176-276	12-54	350-1050	Yes	1-100%	IP20	-20-+50	103 / 94	67 / 58	29.5	20	1
OTi DALI 50/220-240/1A4 LT2 FAN	4052899919433	55	198-264	176-276	12-54	600-1400	Yes	1-100%	IP20	-20-+50	110 / 99	75 / 64	25	20	2

Product features
— Supply voltage: 220-240V
— Line frequency: 0Hz / 50Hz / 60Hz
— Line voltage: 198-264V
— Safety according to IEC 61347-1, 61347-2-13
— Performance: IEC 62384
— RI suppression according to CISPR15
— Line harmonics according to IEC 61000-3-2
— Immunity according to IEC 61547
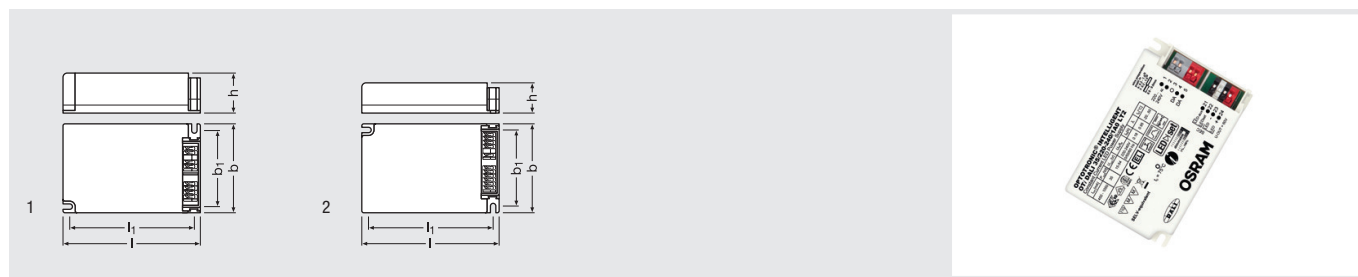— Lifetime: up to 100,000h (temperature at t_c = 65°C, max. 10% failure rate)
— LED protection by Hot Plug

Product benefits
— Versatile DALI window driver up to 55W due to flexible output characteristic
— Very high efficiency and reliability
— Protection of the system thanks to thermal management and Smart Control

Versatile scope of features due to DALI (GII) Ideology
— Easy to use in corridors and restrooms because of three-level corridor function
— Touch DIM® application: easy to control via pushbutton or sensor
— Energy efficient Touch DIM® operation due to automatic switch-off at sufficient residual light
— Suitable for emergency Installations with DC detection (0Hz, pulsating DC), on/off switchable
— Feedback of power consumption and operating hours (Fit for SMART GRID)
— Suitable for buildings according to EPBD/BREEAM/LEED due to automatic constant lumen output setting

Areas of application
— Installation in emergency lighting systems according to IEC 61347-2-3, appendix J
— Suitable for use in luminaires with flexible current setting (DALI, CLO, LEDset)
— Suitable for indoor SELV equivalent installations
— Suitable for luminaires of protection classes I and II
— Installation and independent mounting via Cable Clamp Kit possible

OPTOTRONIC® –
Constant current LED power supplies with Phasecut

Product reference	Product number	Power [W]	Input voltage [V]	Operating frequency [Hz]	Output voltage [V]	Rated current [mA]	Dimm-able	Type of protection	Ambient temperature range in °C	Length l [mm]	Width b [mm]	Height h [mm]	Standard pack in PCS.	Fig. no.
SELV														
OTe 10/220-240/700 PC	4052899105300	10	198-264	50/60	7-14	700	Yes	IP20	-20-+55	95	53	25	20	1
OTe 13/220-240/350 PC	4052899105324	13	198-264	50/60	18-38	350	Yes	IP20	-20-+55	95	53	25	20	1
OTe 18/220-240/500 PC	4052899105362	18	198-264	50/60	18-36	500	Yes	IP20	-20-+55	95	53	30	20	1
OTe 18/220-240/350 PC	4052899105348	19	198-264	50/60	27-54	350	Yes	IP20	-20-+55	95	53	30	20	1
OTe 25/220-240/700 PC	4052899105386	25	198-264	50/60	18-36	700	Yes	IP20	-20-+50	95	53	30	20	1
OTe 35/220-240/700 PC	4008321825520	35	195-264	50/60	27-50	700	Yes	IP20	-20-+45	153	54	36	10	1

Product features
— Dimmable via leading edge/trailing edge
— Integrated cable clamp for separate installation

Product benefits
— Compact housing for mounting in very tight spaces
— Compatible with the most common leading-edge and trailing-edge phase dimmers

Areas of application
— Optional cable clamp E-style for independent installation
— Suitable for indoor installations

Electronic Control Gear

OPTOTRONIC® FIT –
Compact constant current LED power supplies – Non dimmable

Product reference	Product number	Power [W]	Input voltage [V]	DC voltage [V]	Output voltage [V]	Rated current [mA]	Dimm-able	Type of protection	Ambient temperature range in °C	Length l / l1 [mm]	Width b / b1 [mm]	Height h [mm]	Standard pack in PCS.	Fig. no.
SELV														
OT FIT 15/220-240/350 CS	4052899919426	19	198-264	176-276	27-54	250 / 300 / 350	No	IP20	-25-+50	103 / 94	67 / 58	29.5	20	1
OT FIT 25/220-240/500 CS	4052899919419	27	198-264	176-276	27-54	400 / 450 / 500	No	IP20	-25-+50	103 / 94	67 / 58	29.5	20	1
OT FIT 35/220-240/700 CS	4052899919402	38	198-264	176-276	27-54	550 / 600 / 700	No	IP20	-25-+50	103 / 94	67 / 58	29.5	20	1
OT FIT 50/220-240/700 CS	4052899166318	56	198-264	176-276	27-54	800 / 900 / 1050	No	IP20	-25-+50	103 / 94	67 / 58	29.5	20	1

Product features
— Supply voltage: 220-240V
— Line frequency: 0Hz / 50Hz / 60Hz
— Line voltage: 198-264V
— Safety according to IEC 61347-1, 61347-2-13
— Performance: IEC 62384
— RI suppression according to CISPR15
— Line harmonics according to IEC 61000-3-2
— Immunity according to IEC 61547
— Lifetime: up to 100,000h (temperature at t_c = 65°C, max. 10% failure rate)
— LED protection by Hot Plug

Product benefits
— Versatile scope of application due to output power range of up to 38W
— Safety requirement due to overload, overtemperature, Hot Plug protection
— High efficiency and reliability
— Higher quality of light thanks to low output current ripple

Areas of application
— Installation in emergency lighting systems according to IEC 61347-2-3, appendix J
  (DC capable)
— Suitable for use in luminaires with flexible current setting (Tri-Tap)
— Suitable for indoor SELV equivalent installations
— Suitable for luminaires of protection classes I and II
— Installation and independent mounting via Cable Clamp Kit possible

OPTOTRONIC® ECO –
Compact constant current LED power supplies – Non dimmable

Product reference	Product number	Power [W]	Input voltage [V]	Output voltage [V]	Rated current [mA]	Dimm-able	Ambient temperature range in °C	Type of protection	Length l / l1 [mm]	Width b [mm]	Height h [mm]	Standard pack in PCS.	Fig. no.
SELV													
OTe 25/220-240/420 CS	4052899917538	23	198-264	27-54	290 / 350 / 420	No	-20-+50	IP20	97 / 88	43	29.5	20	1
OTe 25/220-240/700 CS	4052899917545	25	198-264	18-36	500 / 600 / 700	No	-20-+50	IP20	97 / 88	43	29.5	20	1
OTe 35/220-240/700 CS	4052899917569	35	198-264	27-54	500 / 600 / 700	No	-20-+50	IP20	103 / 94	67	29.5	20	2
OTe 35/220-240/700 CS S	4052899917552	35	198-264	27-54	500 / 600 / 700	No	-20-+50	IP20	110 / 101	43	29.5	20	3
OTe 35/220-240/1A0 CS	4052899917668	36	198-264	17-34	800 / 925 / 1050	No	-20-+50	IP20	103 / 94	67	29.5	20	2
OTe 35/220-240/1A0 CS S	4052899917651	36	198-264	17-34	800 / 925 / 1050	No	-20-+50	IP20	110 / 101	43	29.5	20	3
OTe 50/220-240/1A0 CS	4052899917576	50	198-264	27-54	800 / 925 / 1050	No	-20-+50	IP20	103 / 94	67	29.5	20	2
OTe 50/220-240/1A4 CS	4052899917583	50	198-264	18-36	1150 / 1250 / 1400	No	-20-+50	IP20	103 / 94	67	29.5	20	2
OTe 50/220-240/1A0 CS FAN	4052899919396	50	198-264	27-54	700 / 900 / 1050	No	-20-+50	IP20	103 / 94	67	29.5	20	2

Product features
— Supply voltage: 220-240V
— Line frequency: 50Hz / 60Hz
— Line voltage: 198-264V
— Safety according to IEC 61347-1, 61347-2-13
— Performance: IEC 62384
— RI suppression according to CISPR15
— Line harmonics according to IEC 61000-3-2
— Immunity according to IEC 61547
— Lifetime: up to 50,000h (temperature at t_c = 65°C, max. 10% failure rate)

Product benefits
— Versatile scope of application due to output power range of up to 50W
— Efficient and reliable

Areas of application
— Suitable for use in luminaires with flexible current setting (Tri-Tap)
— Suitable for indoor SELV equivalent installations
— Suitable for luminaires of protection classes I and II
— Installation and independent mounting via Cable Clamp Kit possible

Electronic Control Gear

Element –
Compact constant current LED power supplies – Non dimmable

Product reference	Product number	Power [W]	Input voltage [V]	Output voltage [V]	Rated current [mA]	Dimm-able	Ambient temperature range in °C	Type of protection	Length l / l1 [mm]	Width b [mm]	Height h [mm]	Standard pack in PCS.	Fig. no.
SELV													
Element LD 8/220-240/180 VS20 OSRAM	4052899947078	4-8	220-240	21-42	180	No	-10-+50	IP20	115	45	25	20	1
Element LD 15/220-240/350 VS20 OSRAM	4052899947085	7.4-14.7	220-240	21-42	350	No	-10-+50	IP20	115	45	25	20	1
Element LD 20/220-240/500 VS20 OSRAM	4052899947092	11-21	220-240	21-42	500	No	-10-+50	IP20	115	45	25	20	1
Element LD 30/220-240/700 VS20 OSRAM	4052899947108	15-30	220-240	21-42	700	No	-10-+50	IP20	103	67	29.5	20	2
Element LD 38/220-240/900 VS20 OSRAM	4052899947115	19-38	220-240	21-42	900	No	-10-+50	IP20	103	67	29.5	20	2
Element LD 45/220-240/1A0 VS20 OSRAM	4052899947122	22-45	220-240	21-42	1050	No	-10-+50	IP20	103	67	29.5	20	2
Element LD 60/220-240/1A4 VS20 OSRAM	4052899947139	29-59	220-240	21-42	1400	No	-10-+50	IP20	110	75	29.5	20	3

Product features
— Output voltage: 21V DC – 42V DC
— Input voltage : 220 – 240V AC
— Typ. Efficiency : ≥87%
— Ambient temp range, ta: -10°C to +50°C
— Fixed Output (i.e. no dimming)
— Safety: IEC 61347-1, IEC 61347-2-13
— Performance: IEC 62384
— Immunity: IEC 61000-3-3, IEC 61547

Product benefits
— High reliability
— Extra small compact housing

Areas of application
— Suitable for downlights, spotlights and other Indoor LED applications
— Suitable for class I and II luminaires

OPTOTRONIC® –
Constant voltage LED power supplies 24V with DALI
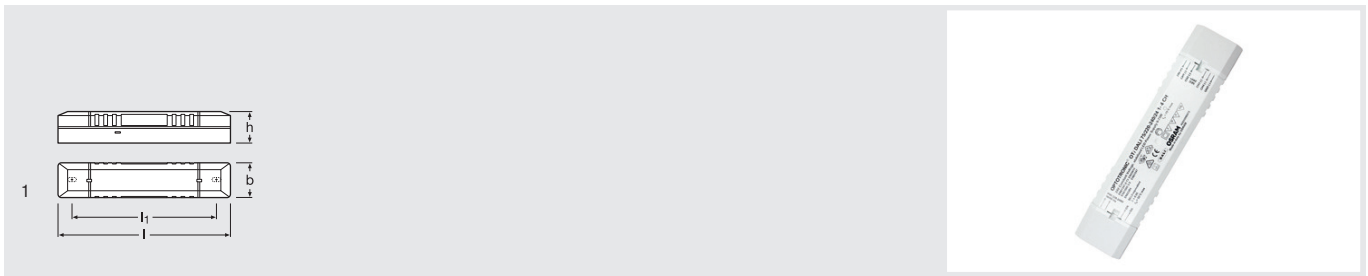
Product reference	Product number	Power [W]	Input voltage [V]	Operating frequency [Hz]	Output voltage [V]	Dimm-able	Dimming range	Type of protection	Ambient temperature range in °C	Length l / l1 [mm]	Width b [mm]	Height h [mm]	Standard pack in PCS.	Fig. no.
OTi DALI 75/220-240/24 1-4 CH	4008321371560	75	198-264	50/60	24	Yes	0-100%	IP20	-20-+50	220 / 180	46	44	20	1

Product features
— 4 channel DALI converter

Product benefits
— Flexible addressing via DALI

Areas of application
— Suitable for indoor applications
— Suitable for luminaires of protection classes I and II
— Suitable for separate mounting

OPTOTRONIC® –
Constant voltage LED power supplies 24V with 1...10V
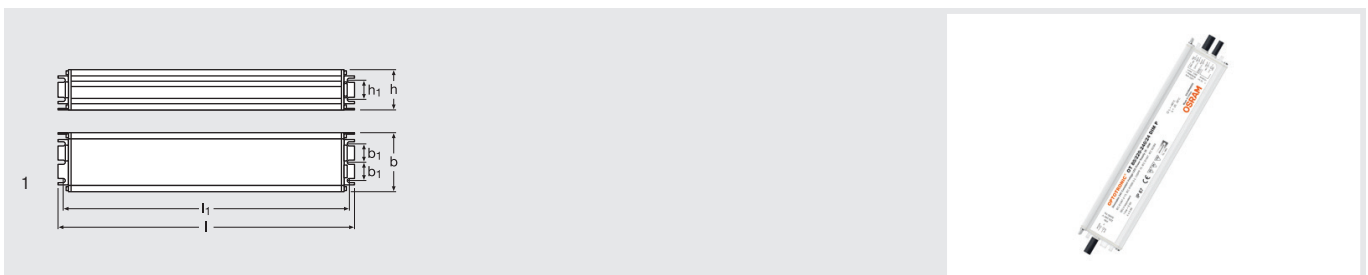
Product reference	Product number	Power [W]	Input voltage [V]	Operating frequency [Hz]	Output voltage [V]	Dimm-able	Dimming range	Type of protection	Ambient temperature range in °C	Length l / l1 [mm]	Width b / b1 [mm]	Height h [mm]	Standard pack in PCS.	Fig. no.
OT 80/220-240/24 DIM P	4008321981677	80	198-264	50/60	24	Yes	1-100%	IP67	-25-+55	250 / 241	50 / 14	34	10	1
OT 120/220-240/24 DIM P	4008321981691	120	198-264	50/60	24	Yes	1-100%	IP67	-25-+55	250 / 241	60 / 15	39	10	1
OT 240/220-240/24 DIM P	4008321981714	240	198-264	50/60	24	Yes	1-100%	IP67	-25-+55	250 / 241	80 / 16	39	8	1

Product features
— Dimmable via fully isolated 1-10V interface
— Driver with output power range of up to 240W

Product benefits
— Versatile 1-10V window driver up to 240W due to flexible output characteristic
— Very high efficiency and reliability
— High IP protection (IP67)
— High surge protection: up to 3kV (L-N) / 6kV (L/N-PE)

Areas of application
— Suitable for use in tight, flat luminaires or installation in suspended ceilings
— Suitable for indoor and outdoor SELV installations

OPTOTRONIC® –
Constant voltage LED power supplies 24V
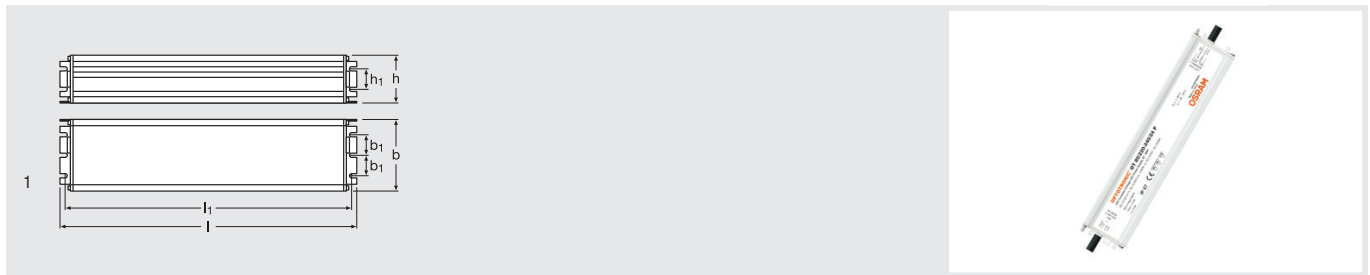
Product reference	Product number	Power [W]	Input voltage [V]	Operating frequency [Hz]	Output voltage [V]	Dimm-able	Type of protection	Ambient temperature range in °C	Length l [mm]	Width b [mm]	Height h [mm]	Standard pack in PCS.
Indoor												
OT 8/200-240/24	4008321040169	8	180-254	50/60	24	Yes	IP20	-20-+50	80	40	22	50
OT 20/200-240/24	4050300618111	20	198-254	50/60	24	Yes	IP20	-20-+45	109	50	35	20
OT 50/220-240/24	4052899905566	50	198-264	50/60	24	Yes	IP20	-20-+45	242	40	16	20
OT 75/220-240/24	4050300817477	75	198-264	50/60	24	Yes	IP20	-20-+50	220	47	44	10
Outdoor												
OT 6/200-240/24 CE	4008321113269	6	180-254	50/60	24	Yes	IP65	-20-+50	51	50	22	20
OT 30/220-240/24 P	4052899043497	30	198-264	50/60	24	Yes	IP66	-20-+55	220	40	22	30
OT 50/220-240/24 P	4052899043510	50	198-264	50/60	24	Yes	IP66	-25-+55	220	40	22	30
OT 75/220-240/24 E	4008321362476	75	198-264	50/60	24	Yes	IP64	-20-+60	241	43	30	10
OT 80/220-240/24 P	4008321981684	80	198-264	50/60	24	Yes	IP67	-25-+55	250	50	34	10
OT 120/220-240/24 P	4008321981707	120	198-264	50/60	24	Yes	IP67	-25-+55	250	60	39	10
OT 240/220-240/24 P	4008321981721	240	198-264	50/60	24	Yes	IP67	-25-+55	250	80	39	8
OTe 120/220-240/24 E	4008321645715	120	198-264	50/60	24	Yes	IP64	-10-+50	258	51	45	10

Product benefits

— Versatile scope of application due to output power range of up to 240W
— Very high efficiency and reliability
— High IP protection (up to IP67)
— Constant luminous flux for very low and high temperatures due to Smart Power Supply

Areas of application

— Suitable for use in tight, flat luminaires or installation in suspended ceilings
— Suitable for indoor and outdoor SELV installations
— Outdoor applications only in suitable luminaires

OPTOTRONIC® –
Constant voltage LED power supplies 24V - Non dimmable
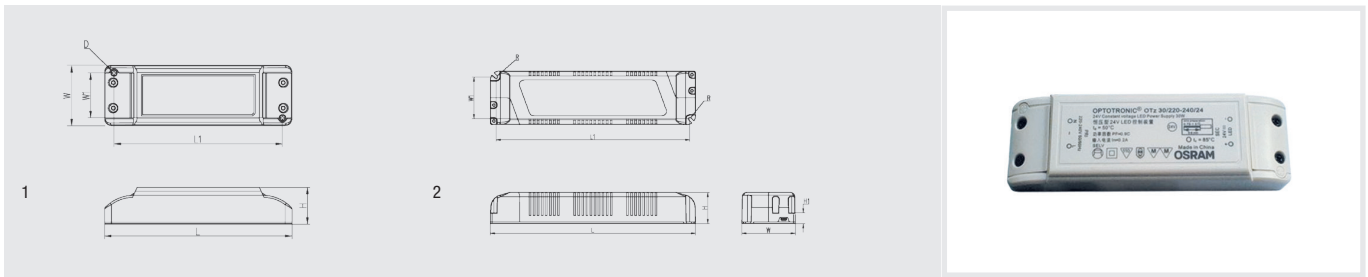
Product reference	Product number	Power [W]	Input voltage [V]	Operating frequency [Hz]	Output voltage [V]	Rated Current [mA]	Dimm-able	Ambient temperature range in °C	Type of protection	Length l / l1 [mm]	Width b [mm]	Height h [mm]	Standard pack in PCS.	Fig. no.
OTZ 30/220-240/24 VS20	4052899932142	30	220-240	50/60	24	200	No	-20-+50	IP20	140 / 126	45/33.4	28	20	1
OTZ 60/220-240/24 VS20	4052899932159	60	220-240	50/60	24	400	No	-20-+50	IP20	239 / 224.3-229.1	46	30 / 11.5	20	-
OTZ 90/220-240/24 VS20	4052899932166	90	220-240	50/60	24	550	No	-20-+50	IP20	230 / 217	60/47	35 / 12	20	2

Product features
— Overload protection
— SELV
— Over temperature protection
— Output power range up to 90W
— Short circuit protection
— Case temperature up to 85°C
— Lifetime (L70 B50): 30,000h (temperature at tc point = 85°C)

Product benefits
— Compatible with Osram Flex
— High efficiency up to 87%
— Class II design for wide application
— Excellent price/quality/watt ratio

Areas of application
— Hospitality – decorative lighting, night light
— Restaurants – decorative lighting
— Shops – decorative lighting, shelf lighting
— Residential – cove lighting, under cabinet lighting

OPTOTRONIC® Cable Clamp –
Driver accessories kit
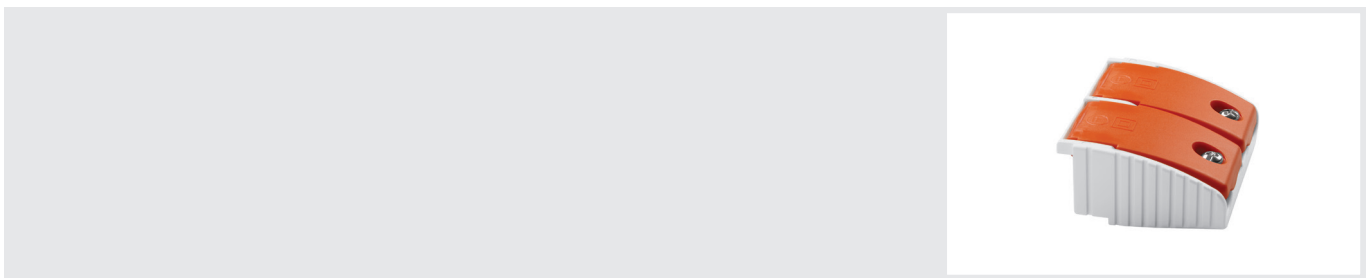
Product reference	Product number	Length l [mm]	Width b [mm]	Height h [mm]	Standard pack in PCS.
OT CABLE CLAMP A-STYLE	4052899089570	35	65	25	20
OT CABLE CLAMP B-STYLE	4052899077881	35	58	29.5	10
OT CABLE CLAMP D-STYLE	4052899077904	38.5	33	29.5	10
OT CABLE CLAMP E-STYLE	4052899167896	38	53	25	20

Product features
— Easy to install and flexible cable clamps
— Separate cable clamps for primary and secondary side
— Pre-fixed, captive screws

Product benefits
— Simple and quick mounting of the cables with one screw per flap
— Sufficient space for cable connection
— Flaps stay open during cable assembly
— Immediate installation thanks to pre-assembled cable clamps
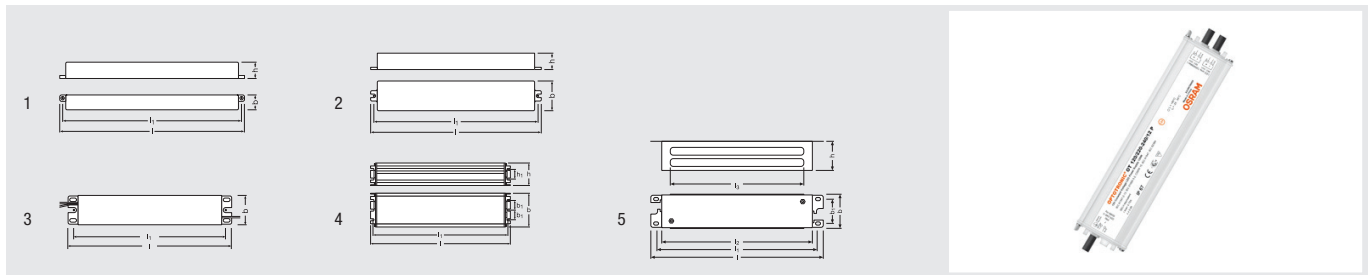
Areas of application
— Suitable for different cable types
— Suitable for indoor installations

Electronic Control Gear

OPTOTRONIC® –
Constant voltage LED power supplies 12V

Product reference	Product number	Power [W]	Input voltage [V]	Operating frequency [Hz]	Output voltage [V]	Dimm-able	Type of protection	Ambient temperature range in °C	Length l / l1 [mm]	Width b [mm]	Height h [mm]	Standard pack in PCS.	Fig. no.
OT 15/220-240/12 P	4052899905559	15	198-264	50/60	12.5	Yes	IP66	-25-+55	237 / 213	20	22	50	1
OT 30/220-240/12 P	4052899905542	30	198-264	50/60	12.5	Yes	IP66	-25-+55	220 / 213	40	22	30	2
OT 60/220-240/12 P	4008321790811	60	198-264	50/60	12.5	Yes	IP67	-25-+55	180 / 171	50	34	10	4
OT 120/220-240/12 P	4008321790835	120	198-264	50/60	12.5	Yes	IP67	-25-+55	250 / 241	60	39	10	4
OTe 60/110-277/12 E	4008321794338	60	100-305	50/60	12.5	No	IP64	-25-+55	241 / 227	43	30	10	3
OTe 120/110-277/12 E	4008321821263	120	100-305	50/60	12.5	No	IP64	-25-+55	258 / 246	51	44.5	10	5

Product benefits

— Versatile scope of application due to output power range of up to 120W
— Very high efficiency and reliability
— High IP protection (up to IP67)
— High surge protection: up to 3kV (L-N) / 6kV (L/N-PE)

Areas of application

— Suitable for indoor and outdoor installations
— Ideal for mounting in very tight spaces

OPTOTRONIC® –
Constant voltage dimmers with DALI
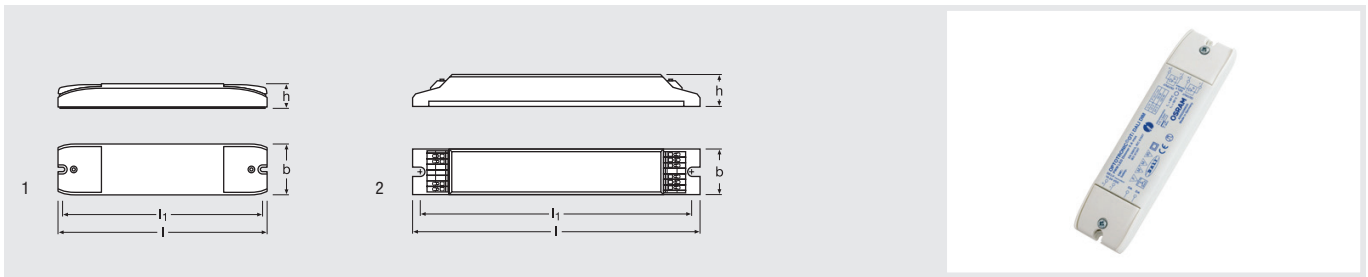
Product reference	Product number	Power [W]	Input voltage [V]	Output voltage [V]	Dimm-able	Dimming range	Type of protection	Ambient temperature range in °C	Length l / l1 [mm]	Width b [mm]	Height h [mm]	Standard pack in PCS.	Fig. no.
OTi DALI DIM	4008321061195	120	10.5-24	10.5-24	Yes	0.1-100%	IP20	-20-+50	172 / 164	42	20	20	1
OTi DALI DIM LI	4008321624437	96	10.5-24	10.5-24	Yes	0.1-100%	IP20	-20-+50	190 / 180	30	21	25	2

Product features
— Intelligent digital dimmer (DALI) with constant output voltage

Product benefits
— Safety requirement due to overload, overtemperature, short-circuit protection

Areas of application
— Suitable for indoor installations
— Separate installation (ceiling mounting)

OPTOTRONIC® –
Constant voltage dimmers with DMX
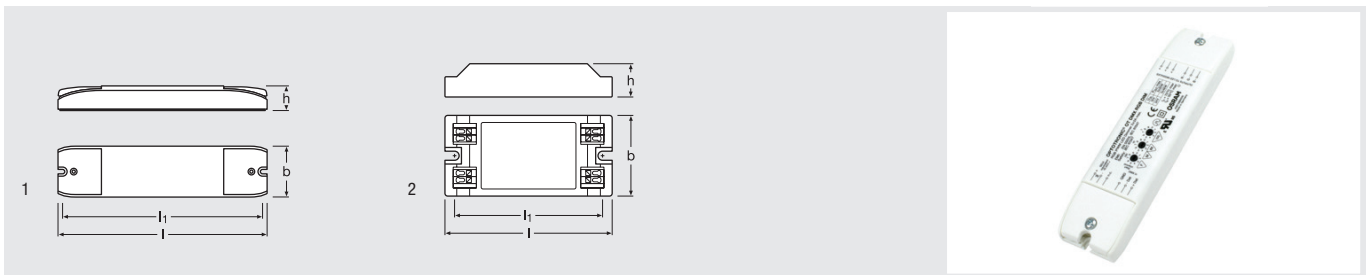
Product reference	Product number	Power [W]	Input voltage [V]	Output voltage [V]	Dimm-able	Dimming range	Type of protection	Ambient temperature range in °C	Length l / l1 [mm]	Width b [mm]	Height h [mm]	Standard pack in PCS.	Fig. no.
OT DMX RGB DIM	4008321160829	144	10.5-24	10.5-24	Yes	0-100%	IP20	-20-+50	172 / 164	42	20	20	1
OT DMX 3X1 RGB DIM	4008321279835	72	10.5-24	10.5-24	Yes	0-100%	IP20	-20-+50	80 / 72	40	22	10	2

Product features
— Intelligent DMX Dimmer with multi-channel topology and single control
— Automatic or manual addressing

Product benefits
— Safety requirement due to overload, overtemperature, short-circuit protection

Areas of application
— Suitable for indoor installations
— Luminaire installation and separate or top-hat rail mounting
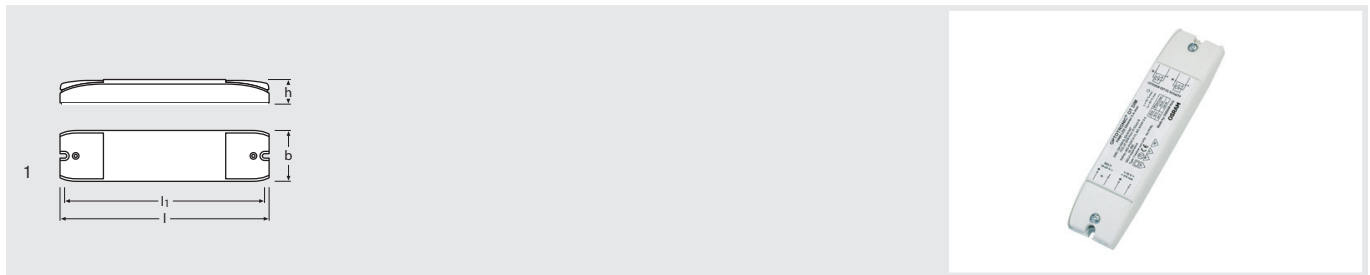
Electronic Control Gear

OPTOTRONIC® –
Constant voltage dimmers with 1-10V

Product reference	Product number	Power [W]	Input voltage [V]	Output voltage [V]	Dimm-able	Dimming range	Type of protection	Ambient temperature range in °C	Length l [mm]	Width b [mm]	Height h [mm]	Standard pack in PCS.	Fig. no.
OT DIM	4050300943459	120	10.5-24	10.5-24	Yes	0-100%	IP20	-20-+50	172	42	20	20	1
OT RGB DIM	4050300793108	144	10.5-24	10.5-24	Yes	0-100%	IP20	-20-+50	172	42	20	20	1

Product features
— Intelligent analog dimmer (1-10V) with constant output voltage
— Up to 3 output channels
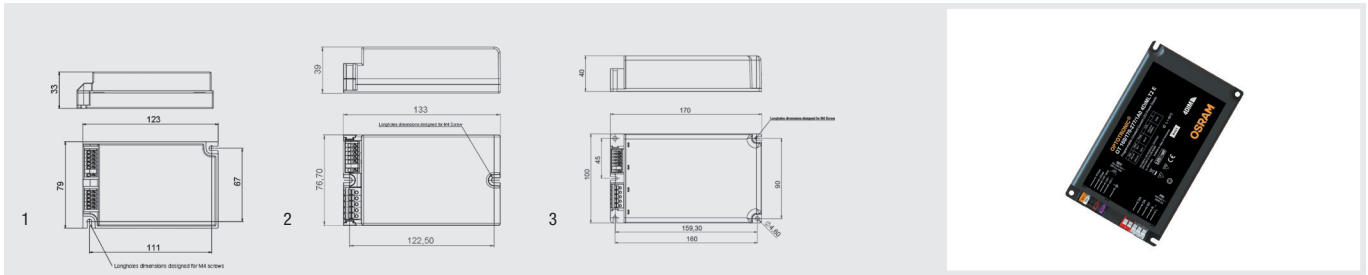— Cable clamp housing for independent mounting

Product benefits
— Safety requirement due to overload, overtemperature, short-circuit protection

Areas of application
— Suitable for indoor SELV installations

OPTOTRONIC® Outdoor –
Constant current LED power supplies with 4DIM / DALI

Product reference	Product number	Power [W]	Input voltage [V]	Operating frequency [Hz]	Output voltage [V]	Dimm-able	Dimmable Range	Type of protection	Ambient temperature range in °C	Length l / l1 [mm]	Width b [mm]	Height h [mm]	Standard pack in PCS.	Fig. no.
OT 40/120-277/1A0 4DIMLT2 E	4052899925182	7-40	120-177	50/60	18-56	Yes	10-100%	IP20	-40-+55	123	79	33	20	1
OT 60/170-240/1A0 4DIMLT2 E	4052899925199	10.5-60	220-240	50/60	35-115	Yes	10-100%	IP20	-40-+60	133	76	39	20	2
OT 90/170-240/1A0 4DIMLT2 E	4052899925205	20-90	220-240	50/60	57-186	Yes	10-100%	IP20	-40-+55	133	76	39	20	2
OT 165/170-240/1A0 4DIMLT2 E	4052899925212	90-285	220-240	50/60	90-285	Yes	10-100%	IP20	-40-+55	170	100	40	20	3

Product features

— Output current range 0.35 – 1.05A
— Output power up to 165W
— High surge capability up to 8kV
— Analog dimming down to 70mA
— Narrow output current tolerance 3%
— AstroDIM, StepDIM, MainsDIM, DALI
— Constant Lumen function
— External NTC support
— LED Module Interface, LEDset2
— 5 years guarantee

Product benefits

— Long lasting and high reliability
— Suitable for class I/II luminaires
— Double isolation between primary/secondary side
— Fully programmable with Tuner4TRONIC™

Areas of application

— Street, Urban and Industrial lighting
— Suitable for outdoor applications in fixtures with IP > 54

OPTOTRONIC® Outdoor –
Constant current LED power supplies with 2DIM / DALI
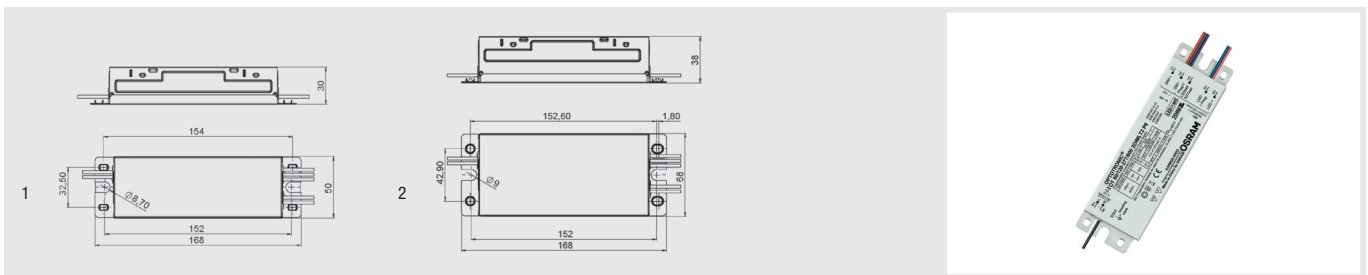
Product reference	Product number	Power [W]	Input voltage [V]	Operating frequency [Hz]	Output voltage [V]	Dimm-able	Dimmable Range	Type of protection	Ambient temperature range in °C	Length l / l1 [mm]	Width b [mm]	Height h [mm]	Standard pack in PCS.	Fig. no.
OT 50/120-277/800 2DIMLT2 P	4052899173781	10.5-50	120-177	50/60	30-115	Yes	30-100%	IP64	-40-+55	168	50	30	20	1
OT 50/120-277/1A2 2DIMLT2 P	4052899173804	12-50	120-177	50/60	20-55	Yes	30-100%	IP64	-40-+50	168	50	30	20	1
OT 100/120-277/800 2DIMLT2 P	4052899253414	45-100	120-177	50/60	50-186	Yes	30-100%	IP64	-40-+55	168	68	38	20	2
OT 110/120-277/1A4 2DIMLT2 P	4052899253438	45-100	120-177	50/60	35-85	Yes	30-100%	IP64	-40-+55	168	68	38	20	2

Product features

— Output power up to 110W
— High surge capability up to 6kV
— AstroDIM, 0-10V
— Constant Lumen function
— External NTC support
— LED Module Interface, LEDset2 (LT2)
— 80,000h lifetime at tc = 75°C
— 5 years guarantee

Product benefits

— Suitable for class I/II luminaires
— Double isolation between primary/secondary side
— Fully programmable with Tuner4TRONIC™ software

Areas of application

— Street, Urban and Industrial lighting
— Suitable for outdoor applications

Electronic Control Gear

04

LED Lamps

OSRAM LED lamps are replacing the conventional technologies in many different areas. They guarantee easy replacement and are an energy efficient alternative to classic incandescent and halogen lamps.

LED Lamps | Contents

LED Lamps

OSRAM LED CLASSIC A

Product reference	Product number	Power [W]	Luminous Flux [lm]	Color temp. [K]	CRI [Ra]	Base	Dimmable	Lifespan [h]
LED STAR CLASSIC A25								
LS CLA25 4W/827220-240VFRE27	4052899040052	4	250	2700	≥80	E27	No	15000
LS CLA25 4W/865220-240VFRE27	4052899040434	4	250	6500	≥80	E27	No	15000
LS CLA254W/827220-240VFRB22D	4052899040458	4	250	2700	≥80	B22d	No	15000
LS CLA254W/865220-240VFRB22D	4052899040472	4	250	6500	≥80	B22d	No	15000
LED SUPERSTAR CLASSIC A40 adv								
SSTCLA40ADV 6W/827 220-240VCSE27	4052899149243	6	470	2700	≥80	E27	Yes	20000
SSTCLA40ADV 6W/827 220-240VFRE27	4052899148697	6	470	2700	≥80	E27	Yes	20000
SSTCLA40ADV 6W/840 220-240VFRE27	4052899148642	6	470	4000	≥80	E27	Yes	20000
LED STAR CLASSIC A40								
LS CLA40 6W/827220-240VFRE27	4052899914131	6	400	2700	≥80	E27	No	15000
LS CLA40 6W/865220-240VFRE27	4052899914148	6	400	6500	≥80	E27	No	15000
LS CLA406W/827220-240VFRB22D	4052899914155	6	400	2700	≥80	B22d	No	15000
LS CLA406W/865220-240VFRB22D	4052899914162	6	400	6500	≥80	B22d	No	15000
LED SUPERSTAR CLASSIC A60 adv								
STCLA60 10W/827 220-240VCLE27	4052899149267	10	806	2700	≥80	E27	Yes	20000
STCLA60 10W/827 220-240VFRE27	4052899149229	10	806	2700	≥80	E27	Yes	20000
STCLA60 10W/840 220-240VFRE27	4052899149281	10	806	4000	≥80	E27	Yes	20000
LED STAR CLASSIC A60								
LS CLA60 9W/827220-240VFRE27	4052899914179	9	650	2700	≥80	E27	No	15000
LS CLA60 9W/865220-240VFRE27	4052899914186	9	650	6500	≥80	E27	No	15000
LS CLA609W/827220-240VFRB22D	4052899914193	9	650	2700	≥80	B22d	No	15000
LS CLA609W/865220-240VFRB22D	4052899914209	9	650	6500	≥80	B22d	No	15000
LED STAR CLASSIC A70								
LS CLA7010W/827220-240VFRE27	4052899917491	10	810	2700	≥80	E27	No	15000
LS CLA7010W/865220-240VFRE27	4052899917507	10	810	6500	≥80	E27	No	15000
LSCLA7010W/827220-240VFRB22D	4052899917514	10	810	2700	≥80	B22d	No	15000
LSCLA7010W/865220-240VFRB22D	4052899917521	10	810	6500	≥80	B22d	No	15000
LED STAR CLASSIC A100								
LSCLA100 12W/827220-240VFRE27	4052899182080	12	1055	2700	≥80	E27	No	15000
LSCLA100 12W/865220-240VFRE27	4052899182103	12	1055	6500	≥80	E27	No	15000
LSCLA10012W/827220-240VFRB22D	4052899182127	12	1055	2700	≥80	B22d	No	15000
LSCLA10012W/865220-240VFRB22D	4052899182141	12	1055	6500	≥80	B22d	No	15000

Product features

— Professional LED lamps for line voltage
— Dimmable
— Base: E27 & B22d
— Lifetime: up to 20,000 hours
— Mercury-free lamp

Product benefits

— Very low energy consumption
— Extremely long life
— Shockproof and vibration-proof with LED technology
— No UV or near-IR radiation in the light beam
— Instant 100% light, no warm-up time
— Simple replacement for standard incandescent lamps
— Lower thermal output (compared with the standard reference product)
— Correct operation even at low temperatures

Areas of application

— Domestic applications
— General illumination
— May be used outdoors only in outdoor fixtures (at least IP65)

OSRAM LED CLASSIC B / P

Product reference	Product number	Power [W]	Luminous Flux [lm]	Color temp. [K]	CRI [Ra]	Base	Dimmable	Lifespan [h]
LED SUPERSTAR CLASSIC B25 adv								
SSTCLB25 4W/827 220-240VCSE14	4008321979261	4	250	2700	≥80	E14	Yes	20000
SSTCLB25 4W/827 220-240VFRE14	4008321994011	4	250	2700	≥80	E14	Yes	20000
LED STAR CLASSIC B25								
S CLB25 4W/827 220-240VFR E14	4052899913615	4	250	2700	≥80	E14	No	15000
S CLB25 4W/827 220-240V CLE14	4052899913622	4	250	2700	≥80	E14	No	15000
SCLB25 4W/840 220-240VFR E14	4052899146396	4	250	4000	≥80	E14	No	15000
LED SUPERSTAR CLASSIC B40 adv								
SST CLB40 6W/827 220-240V CS E14	4052899900899	6	470	2700	≥80	E14	Yes	25000
SST CLB40 6W/827 220-240V FR E14	4052899904415	6	470	2700	≥80	E14	Yes	25000
LED STAR CLASSIC B40								
SCLB40 6W/827 220-240VCS E14	4052899911970	6	470	2700	≥80	E14	No	15000
SCLB40 6W/827 220-240VFR E14	4052899911987	6	470	2700	≥80	E14	No	15000
LED SUPERSTAR CLASSIC P25 adv								
SSTCLP25 4W/827 220-240VCSE14	4008321980380	4	250	2700	≥80	E14	Yes	25000
SSTCLP25 4W/827 220-240VCSE27	4008321992376	4	250	2700	≥80	E14	Yes	25000
SSTCLP25 4W/827 220-240VFRE14	4052899911406	4	250	2700	≥80	E14	Yes	25000
SSTCLP25 4W/827 220-240VFRE27	4052899911420	4	250	2700	≥80	E27	Yes	25000
LED STAR CLASSIC P25								
S CLP25 4W/827 220-240V CLE14	4052899913653	4	250	2700	≥80	E14	No	15000
S CLP25 4W/827 220-240V CLE27	4052899913684	4	250	2700	≥80	E27	No	15000
S CLP25 4W/827 220-240VFR E14	4052899913646	4	250	2700	≥80	E14	No	15000
S CLP25 4W/827 220-240VFR E27	4052899913677	4	250	2700	≥80	E27	No	15000
LED SUPERSTAR CLASSIC P40 adv								
SSTCLP40AD6W/827220-240VCSE14	4052899904439	6	470	2700	≥80	E14	Yes	25000
SSTCLP40AD6W/827220-240VCSE27	4052899904422	6	470	2700	≥80	E27	Yes	25000
SSTCLP40AD6W/827220-240VFRE14	4052899900905	6	470	2700	≥80	E14	Yes	25000
SSTCLP40AD6W/827220-240VFRE27	4052899900912	6	470	2700	≥80	E27	Yes	25000
LED STAR CLASSIC P40								
SCLP40 6W/827 220-240VCS E14	4052899911963	6	470	2700	≥80	E14	No	20000
SCLP40 6W/827 220-240VCS E27	4052899911956	6	470	2700	≥80	E27	No	20000
SCLP40 6W/827 220-240VFR E14	4052899911932	6	470	2700	≥80	E14	No	20000
SCLP40 6W/827 220-240VFR E27	4052899911949	6	470	2700	≥80	E27	No	20000

Product features

— Professional LED lamps for line voltage
— Base: E14 (B Type) / Base: E14 / E27 (P Type)
— Lifetime: up to 25,000 hours
— Mercury-free lamp
— High color rendering

Product benefits

— Very low energy consumption
— Extremely long life
— Shockproof and vibration-proof with LED technology
— No UV or near-IR radiation in the light beam
— Instant 100% light, no warm-up time
— Simple replacement for conventional incandescent lamps
— Lower thermal output
  (compared with the standard reference product)

Areas of application

— General illumination
— Domestic applications

LED Lamps

OSRAM LED PAR / LEDspot111

Product reference	Product number	Power [W]	Luminous Flux [lm]	Color temp. [K]	CRI [Ra]	Base	Dimmable	Luminous intensity [cd]	Beam Angle [°]	Lifespan [h]
PARATHOM PRO PAR 16 35 adv										
PPPAR163536 5,2W/927 230V GU10	4052899902244	5.2	230	2700	≥90	GU10	Yes	600	36	50000
PPPAR163536 5,2W/930 230V GU10	4052899902251	5.2	230	3000	≥90	GU10	Yes	600	36	50000
PPPAR163536 5,2W/940 230V GU10	4052899902268	5.2	230	4000	≥90	GU10	Yes	600	36	50000
PPPAR163524 5,2W/927 230V GU10	4052899902213	5.2	230	2700	≥90	GU10	Yes	900	24	50000
PPPAR163524 5,2W/930 230V GU10	4052899902220	5.2	230	3000	≥90	GU10	Yes	900	24	50000
PPPAR163524 5,2W/940 230V GU10	4052899902237	5.2	230	4000	≥90	GU10	Yes	900	24	50000
LED SUPERSTAR PAR 16 35 adv										
SSPAR163536A3.5W/827220VGU10	4052899153103	3.5	230	2700	≥80	GU10	Yes	675	36	25000
SSPAR163536A3.5W/830220VGU10	4052899153127	3.5	230	3000	≥80	GU10	Yes	675	36	25000
SSPAR163536A3.5W/865230VGU10	4052899153141	3.5	230	6500	≥80	GU10	Yes	675	36	25000
SSPAR163524A3.5W/827230VGU10	4052899153042	3.5	230	2700	≥80	GU10	Yes	1150	24	25000
SSPAR163524A3.5W/830230VGU10	4052899153066	3.5	230	3000	≥80	GU10	Yes	1150	24	25000
SSPAR163524A3.5W/865230VGU10	4052899153080	3.5	230	6500	≥80	GU10	Yes	1150	24	25000
LED STAR PAR 16 35										
SPAR163536 4W/827230VGU10	4052899159396	4	230	2700	≥80	GU10	No	675	36	15000
SPAR163536 4W/865230VGU10	4052899152946	4	230	6500	≥80	GU10	No	675	36	15000
S PAR163524 4W/827230VGU10	4052899152885	4	230	2700	≥80	GU10	No	1150	24	15000
S PAR163524 4W/865230VGU10	4052899152908	4	230	6500	≥80	GU10	No	1150	24	15000
PARATHOM PRO PAR 16 50 adv										
PPPAR165036 6,8W/927 230V GU10	4052899901414	6.8	350	2700	≥90	GU10	-	900	36	30000
PPPAR165036 6,8W/930 230V GU10	4052899901421	6.8	350	3000	≥90	GU10	-	900	36	30000
PPPAR165036 6,8W/940 230V GU10	4052899901438	6.8	350	4000	≥90	GU10	-	900	36	30000
PPPAR165024 6,8W/927 230V GU10	4052899901384	6.8	350	2700	≥90	GU10	-	1700	24	30000
LED SUPERSTAR PAR 16 50 adv										
SSPAR165036A 5,5W/827230VGU10	4052899153226	5.5	350	2700	≥80	GU10	Yes	-	36	25000
SSPAR165036A 5,5W/830230VGU10	4052899153240	5.5	350	3000	≥80	GU10	Yes	-	36	25000
SSPAR165036A 5,5W/865230VGU10	4052899153264	5.5	350	6500	≥80	GU10	Yes	-	36	25000
SSPAR165024A 5.5W/827230VGU10	4052899153165	5.5	350	2700	≥80	GU10	Yes	-	24	25000
SSPAR165024A 5.5W/830230VGU10	4052899153189	5.5	350	3000	≥80	GU10	Yes	-	24	25000
SSPAR165024A 5.5W/865230VGU10	4052899153202	5.5	350	6500	≥80	GU10	Yes	-	24	25000
LED STAR PAR 16 50										
SPAR165036 5,5W/827230VGU10	4052899159419	5.5	350	2700	≥80	GU10	No	1000	36	15000
SPAR165036 5,5W/865230VGU10	4052899153028	5.5	350	6500	≥80	GU10	No	1000	36	15000
SPAR165024 5,5W/827230VGU10	4052899152960	5.5	350	2700	≥80	GU10	No	1800	24	15000
SPAR165024 5,5W/865230VGU10	4052899152984	5.5	350	6500	≥80	GU10	No	1800	24	15000
LED SUPERSTAR PAR 30 100 adv										
SSPAR3010030 13W/827230VE27	4052899082601	13	870	2700	≥80	E27	Yes	2500	30	40000
SSPAR3010030 13W/830230VE27	4052899082625	13	870	3000	≥80	E27	Yes	2500	30	40000
LED SUPERSTAR PAR 38 120 adv										
SSPAR3812030 17W/827230VE27	4052899082649	17	1050	2700	≥80	E27	Yes	3000	30	40000
SSPAR3812030 17W/830230VE27	4052899082663	17	1050	3000	≥80	E27	Yes	3000	30	40000
PARATHOM PRO LEDspot 111 50 adv										
PPAR111 5009 8,5W/927 12V G53	4052899907690	8.5	450	2700	≥90	G53	Yes	6000	9	45000
PPAR111 5024 8,5W/927 12V G53	4052899907720	8.5	450	2700	≥90	G53	Yes	3000	24	45000
PPAR111 5024 8,5W/930 12V G53	4052899907737	8.5	450	3000	≥90	G53	Yes	3000	24	45000
PPAR111 5024 8,5W/940 12V G53	4052899907744	8.5	500	4000	≥90	G53	Yes	3300	24	45000
PPAR111 5040 8,5W/927 12V G53	4052899907751	8.5	450	2700	≥90	G53	Yes	1200	40	45000
PPAR111 5040 8,5W/930 12V G53	4052899907768	8.5	450	3000	≥90	G53	Yes	1200	40	45000
PARATHOM PRO LEDspot 111 75 adv										
PPAR111 7509 12,5W/827 12V G53	4052899907782	12.5	740	2700	≥80	G53	Yes	10000	9	45000
PPAR111 7524 12,5W/827 12V G53	4052899907812	12.5	740	2700	≥80	G53	Yes	5000	24	45000
PPAR111 7524 12,5W/830 12V G53	4052899907829	12.5	740	3000	≥80	G53	Yes	5000	24	45000
PPAR111 7524 12,5W/840 12V G53	4052899907836	12.5	820	4000	≥80	G53	Yes	5500	24	45000
PPAR111 7540 12,5W/827 12V G53	4052899907843	12.5	740	2700	≥80	G53	Yes	2000	40	45000
PPAR111 7540 12,5W/830 12V G53	4052899907850	12.5	740	3000	≥80	G53	Yes	2000	40	45000

Product features

— Professional LED lamp
— Dimmable
— Lifetime: up to 50,000 hours
— Mercury-free lamp
— High color consistency

Areas of application

— Shops
— Exhibitions, department stores
— Museums
— Hospitality
— Directional light sources

Product benefits

— Very low energy consumption
— Extremely long life
— Shockproof and vibration-proof
— No UV or near-IR radiation in the light beam
— Efficient generation of white light

OSRAM LED MR11 / MR16

Product reference	Product number	Power [W]	Luminous Flux [lm]	Color temp. [K]	CRI [Ra]	Base	Dimmable	Luminous intensity [cd]	Beam Angle [°]	Lifespan [h]
LED STAR MR 11										
SMR112030 3,7W/827 12V GU4	4052899919235	3.7	200	2700	≥80	GU4	No	550	30	15000
PARATHOM PRO MR16 20 adv										
PPMR162036 5W/927 12V GU5.3	4052899904699	5	210	2700	≥90	GU5.3	Yes	530	36	50000
PPMR162036 5W/930 12V GU5.3	4052899904705	5	210	3000	≥90	GU5.3	Yes	530	36	50000
PPMR162036 5W/940 12V GU5.3	4052899904712	5	210	4000	≥90	GU5.3	Yes	530	36	50000
PPMR162024 5W/927 12V GU5.3	4052899904668	5	210	2700	≥90	GU5.3	Yes	950	24	50000
PPMR162024 5W/930 12V GU5.3	4052899904675	5	210	3000	≥90	GU5.3	Yes	950	24	50000
LED SUPERSTAR MR 16 20 adv										
SSMR162036A 4W/827 12VGU5.3	4052899155350	4	220	2700	≥80	GU5.3	Yes	720	36	25000
SSMR162036A 4W/830 12VGU5.3	4052899155374	4	220	3000	≥80	GU5.3	Yes	720	36	25000
SSMR162036A 4W/865 12VGU5.3	4052899155398	4	220	6500	≥80	GU5.3	Yes	720	36	25000
SSMR162024A 4W/827 12VGU5.3	4052899155299	4	220	2700	≥80	GU5.3	Yes	1200	24	25000
SSMR162024A 4W/830 12VGU5.3	4052899155312	4	220	3000	≥80	GU5.3	Yes	1200	24	25000
SSMR162024A 4W/865 12VGU5.3	4052899155336	4	220	6500	≥80	GU5.3	Yes	1200	24	25000
LED STAR MR 16 20										
SMR162036 3.5W/827 12VGU5.3	4052899155459	3.5	220	2700	≥80	GU5.3	No	720	36	15000
SMR162036 3.5W/865 12VGU5.3	4052899155473	3.5	220	6500	≥80	GU5.3	No	720	36	15000
S MR1620 243.5W/82712VGU5.3	4052899155411	3.5	220	2700	≥80	GU5.3	No	1200	24	15000
S MR1620 243.5W/86512VGU5.3	4052899155435	3.5	220	6500	≥80	GU5.3	No	1200	24	15000
LED SUPERSTAR MR16 35 adv										
SSMR163536A 6W/827 12VGU5.3	4052899154124	6	350	2700	≥80	GU5.3	Yes	1140	36	25000
SSMR163536A 6W/830 12VGU5.3	4052899154186	6	350	3000	≥80	GU5.3	Yes	1140	36	25000
SSMR163536A 6W/865 12VGU5.3	4052899154209	6	350	6500	≥80	GU5.3	Yes	1140	36	25000
SSMR163524A 6W/827 12VGU5.3	4052899154063	6	350	2700	≥80	GU5.3	Yes	1800	24	25000
SSMR163524A 6W/830 12VGU5.3	4052899154087	6	350	3000	≥80	GU5.3	Yes	1800	24	25000
SSMR163524A 6W/865 12VGU5.3	4052899154100	6	350	6500	≥80	GU5.3	Yes	1800	24	25000
LED STAR MR 16 35										
SMR163536 5,5W/827 12VGU5.3	4052899154285	5.5	350	2700	≥80	GU5.3	No	1140	36	15000
SMR163536 5,5W/865 12VGU5.3	4052899154322	5.5	350	6500	≥80	GU5.3	No	1140	36	15000
S MR1635 245,5W/82712VGU5.3	4052899154247	5.5	350	2700	≥80	GU5.3	No	1800	24	15000
S MR1635 245,5W/86512VGU5.3	4052899154261	5.5	350	6500	≥80	GU5.3	No	1800	24	15000
PARATHOMPRO MR16 42 adv										
PPMR164236AD 8W/827 12V GU5.3	4052899014312	8	470	2700	≥80	GU5.3	Yes	1200	36	30000
PPMR164236AD 8W/830 12V GU5.3	4052899014350	8	470	3000	≥80	GU5.3	Yes	1200	36	30000
PPMR164236AD 8W/840 12V GU5.3	4052899014381	8	470	4000	≥80	GU5.3	Yes	1200	36	30000
LED SUPERSTAR MR 16 50 adv										
SSMR165036A7,8W/82712VGU5.3	4052899919983	7.8	450	2700	≥80	GU5.3	Yes	850	36	25000
SSMR165036A7,8W/83012VGU5.3	4052899919990	7.8	450	3000	≥80	GU5.3	Yes	850	36	25000
SSMR165036A7,8W/86512VGU5.3	4052899920002	7.8	470	6500	≥80	GU5.3	Yes	900	36	25000
SSMR165024A7,8W/82712VGU5.3	4052899919952	7.8	450	2700	≥80	GU5.3	Yes	1600	24	25000
SSMR165024A7,8W/83012VGU5.3	4052899919969	7.8	450	3000	≥80	GU5.3	Yes	1600	24	25000
SSMR165024A7,8W/86512VGU5.3	4052899919976	7.8	470	6500	≥80	GU5.3	Yes	1700	24	25000
SSMR165060A7,8W/82712VGU5.3	4052899125636	7.8	450	2700	≥80	GU5.3	Yes	400	60	25000
SSMR165060A7,8W/83012VGU5.3	4052899125650	7.8	450	3000	≥80	GU5.3	Yes	400	60	25000
SSMR165060A7,8W/86512VGU5.3	4052899125674	7.8	470	6500	≥80	GU5.3	Yes	420	60	25000
LED STAR MR 16 50										
S MR1650 36 8W/827 12VGU5.3	4052899920095	8	450	2700	≥80	GU5.3	No	850	36	25000
S MR1650 36 8W/865 12VGU5.3	4052899920101	8	470	6500	≥80	GU5.3	No	900	36	25000
S MR1650 24 8W/827 12VGU5.3	4052899920071	8	450	2700	≥80	GU5.3	No	1600	24	25000
S MR1650 24 8W/865 12VGU5.3	4052899920088	8	470	6500	≥80	GU5.3	No	1700	24	25000

Product features

— Professional LED lamp
— Dimmable (Advanced versions)
— Base: GU4 (MR11) / GU5.3 (MR16)
— Lifetime: up to 50,000 hours
— Mercury-free lamp
— High color consistency

Product benefits

— Very low energy consumption
— Extremely long life
— Shockproof and vibration-proof
— No UV or near-IR radiation in the light beam
— Efficient generation of white light

Areas of application

— As a downlight for marking walkways, doors, stairs, etc.
— Exhibitions, department stores
— May be used outdoors only in outdoor fixtures (at least IP65)
— Directional light sources
— Museums
— Hospitality
— Shops

LED Lamps

05

Light Management Systems

Light management products from OSRAM provide the ideal basis for innovative tailor-made lighting concepts — from a simple individual luminaire to complex and extensive systems.

Light Management Systems | Contents

Light Management Systems

Light management systems from OSRAM – light in a new dimension

Light Management is much more than the use of motion sensors. It is the optimal connection of user interfaces, control units, daylight, motion sensors and electronic control gear.

Rising energy costs demand highly efficient lighting solutions. With more stringent regulations such as the Energy Performance of Buildings Directive (EPBD), OSRAM Light Management Systems can provide you with a cost effective, energy efficient solution. Benefit from our experience with more than 500 million installed ECGs. OSRAM ECGs do not offer only maximum reliability, they also improve efficiency, operating safety, and lighting comfort significantly – indispensable for modern lighting solutions.

Discover new illumination and energy-saving potentials

Light management solutions can bring the demands for comfort and energy savings into perfect harmony. Users can adjust the lighting level themselves at any time to suit their specific needs. At the same time, the lighting system can be faded up or down automatically depending on the amount of available daylight, leading to enormous potential energy savings.

Product portfolio

Street Light Control
Innovative light management system for outdoor lighting. OSRAM Street Light Control (SLC) facilitates a demand-oriented control and monitoring of thousands of individual luminaires. With the SLC software, the user keeps the entire street lighting system in view.


Easy Color Control
The multitalented OSRAM system is extremely versatile with completely new control elements. Easy Color Control provides the basis for static and dynamic lighting concepts for RGB and white light and provides atmospheric lighting in a wide range of applications.

Sensors
Pure efficiency: Modern daylight-dependent and presence-dependent sensors from OSRAM ensure that only as much artificial light as is needed is provided. Energy saving has never been so easy with wireless light management by remote control.
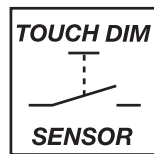
Touch DIM
The dimming revolution: Touch DIM enables dimming without additional controllers, allowing conventional switches to remain. A practical and simple solution for efficient energy savings.

MCU
Simple installation, no addressing and universal use. MCU makes scene-based lighting control simple. The two digital and analog rotary dimmers enable very different light sources to be controlled via the DALI interface.


DALI Professional
The perfect solution for large rooms or multiple rooms. DALI Professional controls complex lighting concepts. The light management system can be easily managed via PC software. The DALI Professional operates via a designer glass touch panel.

DALI eco
Intelligent energy saving solutions in office applications. DALI eco sets new standards in terms of flexibility in planning and installing a cost effective light management solution.
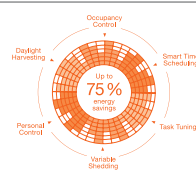
ENCELIUM
The right amount of light when and where required. The integrated lighting management system ENCELIUM improves personal comfort and light and at the same time preserves energy resources.

Light Management Systems

Information about each application solution

Offices & Public buildings

DALI eco – light management for a small office up to a large classroom.
The multifunctional light management system sets new standards in terms of flexibility in planning and installing a cost-efficient light management solution. In connection with daylight and presence sensors, the 2-channel DALI eco system achieves energy savings of up to 80% compared with conventional systems using T8 lamps, control gear and without sensors. In addition to easy operation via remote control, the system offers six predefined operating modes for fast and uncomplicated configuration in all applications.

ENCELIUM- light for entire office buildings Easy integration without programming, overview of the entire buildings lighting plan via 3D software, energy savings up to 75% compared with conventional systems using T8 lamps, control gear and without the use of sensors. Scalable to virtually any size of building thanks to DALI-Encelium.

Shop & Hospitality

The light management EASY Color Control is the perfect solution for ambient light. The EASY Color Control system with up to 64 channels enables direct control of a variety of luminaires – from small to large applications.

Industry

The high-performance light management system DALI PROFESSIONAL is especially suitable for complex applications. Large areas can be illuminated with different lighting requirements. For example, with DALI PROFESSIONAL the light in less frequented areas can be dimmed to a minimum and raised via sensors when needed. This is also possible for each individual luminaire. Brightness sensors allow controllable artificial light where necessary. Furthermore, the lighting installation can be individually configured to changing requirements at any time with the help of the free DALI PROFESSIONAL software.

Outdoor

The 3DIM concept stands for complex control tasks and the Street Light Control (SLC) systems for holistic and networked light management in outdoor lighting. Simply save costs: The 3DIM concept by OSRAM offers control gear units for LED modules and high-pressure discharge lamps, which can be operated depending on the type and scale of the control task. The 3DIM control system has three dimming modes in a single device: DALI mode, StepDIM reduced load mode and the self-sufficient AstroDIM functionality.

For integrated and networked light management of outdoor lighting, OSRAM offers the Street Light Control (SLC)

system. The product portfolio enables individual control and monitoring of individual luminaires, comprising of thousands of lighting points. Therefore, SLC ensures a reduction of power consumption, CO_2 emissions and light pollution without neglecting the required lighting flexibility. The central system element is the SLC software, with which the entire lighting installation is not only controlled, but also constantly monitored in real time.

Architecture

The OSRAM company Traxon Technologies is, with its brand e:cue, the worldwide leader in sustainable and intelligent solutions for solid state lighting and their control systems.
Traxon Technologies delivers integrated solutions that add dynamic visual effects to architecture. From the first creative vision through product development and planning as well as on-site project management, all the way to perfect custom designed lighting.

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OSRAM has more than

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