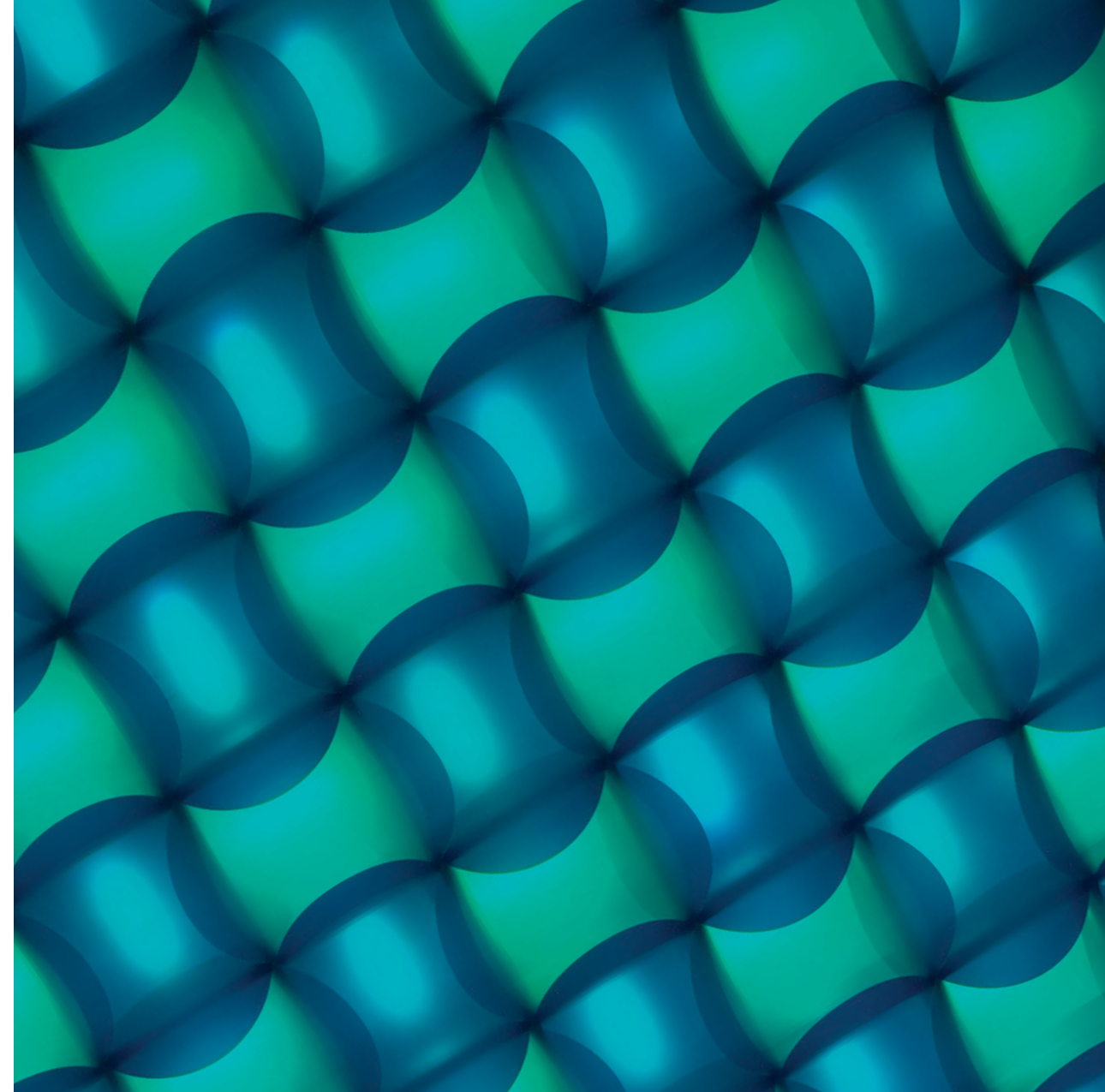


**Contact Details:**

Philips Lighting  
Philips Centre  
Guildford Business Park  
Guildford  
Surrey  
GU2 8XH

Tel: 0845 601 1283  
Fax: 01483 575534  
Email: [lighting.uk@philips.com](mailto:lighting.uk@philips.com)  
Web: [www.philips.co.uk/lighting](http://www.philips.co.uk/lighting)

LED Solutions Catalogue



LED Solutions Catalogue

2011



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**PHILIPS**

**PHILIPS**  
sense and simplicity

2	Simply enhancing light with light
3	Sustainability
5	Welcome to a new era in lighting
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Philips are at the forefront of lighting technology and innovation. We have worked with some of the best architects and lighting designers in the world to achieve projects that both inspire and innovate. This book has been produced to help you do the same. The first section 'Be inspired' is about creativity and inspiration – project case studies featuring the latest in solid state lighting solutions. The second section 'Be informed' gives you a detailed overview of the products and technologies that will help you realise your vision.

## **Philips Warranty LED Luminaires:**

### **LED Luminaires Greater than 25,000 hours rated life**

Philips Lighting gives a standard 3 year warranty on all LED luminaires rated at greater than 25,000 hrs life - extended warranty to 5 years also available.

### **Special conditions**

The warranty period starts on the date of invoice.

The warranty period is based on a burning behaviour of max. 4000hrs/year.

By default, the customer receives above mentioned "standard warranty". On request, an "extended warranty" or "customized project warranty" can be agreed upon after evaluation of the specific application conditions.

### **LED Luminaires Equal to or less than 25,000 hours rated life**

Philips Lighting gives a standard 1 year warranty on all LED luminaires rated at equal to or less than 25,000 hrs life.

The above is not exhaustive and for further information and Full Terms and Conditions. Your local Philips Sales contact or The Philips Centre in Guildford can provide further support and information.

# Simply enhancing life with light

As the global leader in lighting solutions, we are passionate about optimising and enhancing experiences in all aspects of life.

Today, with the infinite possibilities of LED, the future of lighting is brighter than ever. Not only is there an active shift in how we consume energy – but identity, expression and functionality can also be explored in entirely new ways.

Our desire for innovation allows us to create exciting new opportunities for our customers and together we continue to create meaningful and valuable solutions, enhancing the quality, use and experience of light.



## Outdoor

We make cities safer to live in and more enjoyable to experience



## Hospitality

We help promote guest comfort and build brand differentiation



## Homes

We help people express who they are and how they feel at home



## Retail

We enable distinctive brand and shopping experiences



## Healthcare

We enhance patient well-being and improve staff productivity



## Entertainment

We enable creativity and expression through our lighting applications



## Office

We beautify and define spaces, increase productivity and boost energy efficiency



## Industry

We help reduce carbon impact while increasing quality and productivity



## Automotive

We make vehicles safer, more stylish and more energy efficient

Together we transform environments, create experiences and shape identities. With light, we uplift and inspire, we comfort and heal and we create safety and spectacle.

We believe light is potential – light is possibility, and we are bringing those possibilities to life.

Philips Lighting. Simply enhancing life with light...



# Sustainability

At Philips, we define sustainability as “meeting the needs of the present generation without compromising the ability of future generations to meet their own needs.”

Sustainability within Philips Lighting is all about performance—in energy efficiency, lighting levels, user comfort, environmental impact and more. It means achieving the best output with the fewest resources. Putting this in action means sustainable investments must have an economic, social and environmental benefit. Within Philips Lighting we help our customers harness the financial benefit associated with energy savings, contribute to the security of energy supply and protect against the financial implication of carbon dioxide emissions. Social returns on investment are given by understanding how the quality of light impacts health, wellbeing and productivity; we help our customers publicize their reductions in energy consumption in their corporate social responsibility programme and help them provide a safe, attractive environment.

As a recognized leader in the lighting industry we help our customer reduce their carbon dioxide emissions, limit their waste to landfill and help comply with environmental legislation. In addition to the development of award-winning, energy-efficient products, we have implemented sustainable business practices in our manufacturing

facilities by earning the ISO 14001 certification for environmental management. Our EcoVision4 targets designed to improve our environmental impact we have committed to the following by 2012; 30% of total revenues from Green Products; double investment in Green Innovations to a cumulative EUR 1 billion and improve our operational energy efficiency by 25% and reduce our CO2 emissions by 25%, all compared with the base year 2007.

EcoVision5 raises the bar in Philips' overall approach to sustainability, we have identified three sustainability leadership key performance indicators: Bringing care to more than 500 million people by 2015; Improving energy efficiency of Philips products by 50% by 2015 (for the average total product portfolio) compared to 2009 and Closing the materials loop by doubling global collection, recycling amounts and recycled materials in products by 2015 compared to 2009. Our support of sustainable practices and initiatives goes far beyond our facilities, too. We work closely and partner with key governmental and industry organizations toward making a brighter future possible for our world.

With our depth of resources and expertise, we are ready to help you identify and meet your lighting-related sustainability goals as well.



# Welcome to a new era in lighting

LED technology has advanced at a remarkable pace in recent years. No longer confined to electronic devices such as mobile phones or watches, LED-based solutions are becoming ever more widespread. They improve the quality of people's lives in retail outlets, hotels, restaurants, offices, domestic environments and in many different features of the urban landscape including public buildings, bridges, footpaths, market squares and façades.

It's hardly surprising LEDs are proving so popular. Compared with traditional non-solid-state lighting, they are energy-efficient, produce fewer CO<sup>2</sup> emissions and radiate little heat, cost less to run and maintain, are small and flexible, last longer and produce a light that is precisely controllable and programmable.

Although the colour properties of LEDs have been frequently applied by designers for atmosphere creation, entertainment and architectural highlighting, there is another area where LEDs are becoming increasingly popular; white light. For more than a decade, LEDs have been offering a viable alternative to conventional light sources, and with ongoing improvements in brightness, this is a trend definitely set to continue and broaden in scope.

## What are LEDs?

LED stands for light-emitting diode. A diode is a device made from two different conducting materials that allows current to flow in only one direction. When electricity is passed through the diode, the atoms in one material are excited to a higher energy level. This energy is released as the atoms transfer electrons to the other material. During this energy release light is created. The colour of the light from the LED depends on what the diode is made from and how it is configured.









## NEW PROJECT

**Client**

Princess Alexandra Hospital

**Project**

CT Scanner Room

**Location**

Harlow, UK

**LED products used**

Ambiscene









## NEW PROJECT

**Client**

Scarlet Hotel

**Location**

Cornwall, UK

**LED products used**

Philips Dynalite Solutions





[REDACTED]



## NEW PROJECT

**Client**

Skemersdale Library

**Location**

Skemersdale, West  
Lancashire, UK

**LED products used**

Philips iColor Cove  
QLX Compact









## NEW PROJECT

**Client**

Premier Inn

**Location**

London, UK

**LED products used**

LEDline<sup>2</sup>

162





the city



## NEW PROJECT

**Client**

Heineken - The City

**Location**

Amsterdam, The Netherlands

**LED products used**

eW Downlight Powercore 324

Spot LED 284

LEDline<sup>2</sup> 162

"We believe





## NEW PROJECT

**Client**

ENBW

**Location**

Kieselbronn, Germany

**LED products used**

Speedstar

458





**Project**

Rafayel Hotel

**Location**

Battersea, London, UK

**Parties involved**

Rafayel Hotel

Latis

Philips Lighting

**LED products used**

iColor Cove MX 226

SpotLED Gen 3 300

SpotLED I 284

MASTER LEDlamps 358







**Project**

Welsh Castles

**Location**

Wales, UK

**Parties involved**

Cadw

Philips Lighting

**LED products used**

eW Reach Powercore®	72
eW Graze Powercore®	156
eW Blast Powercore®	90



**Project**

Ghd

**Location**

Leeds - UK

**Parties involved**

GHD

Southern and Redfern

Litetask

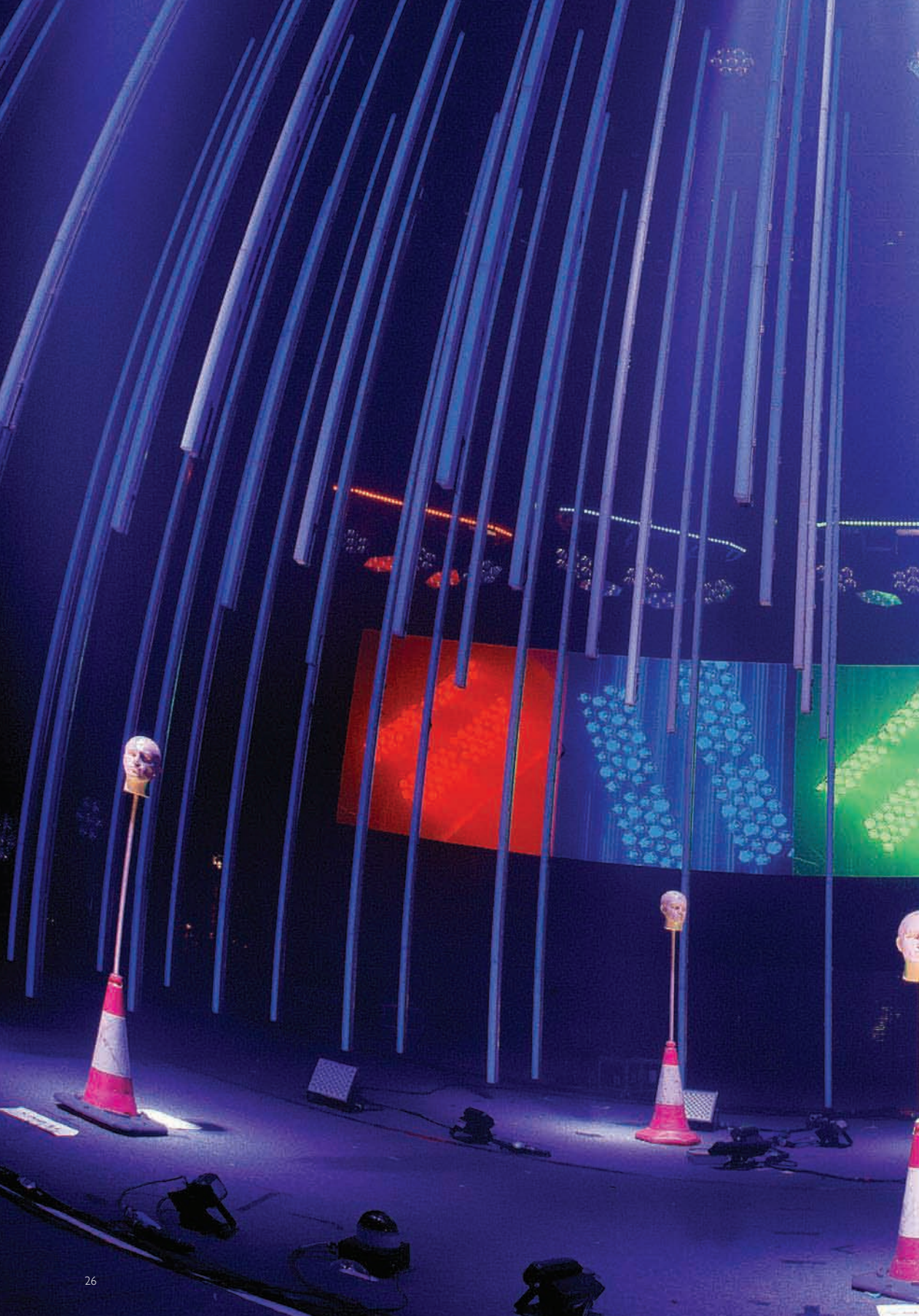
Philips Lighting

**LED products used**

iW Cove Powercore®

DMX lighting control system 520







**Project**

Radio Head

**Location**

Radiohead Tour

**Parties involved**

Architainment  
Utopian Lighting  
Specialz Ltd  
Radiohead  
Philips Lighting

**LED products used**

ColorReach Powercore® 64

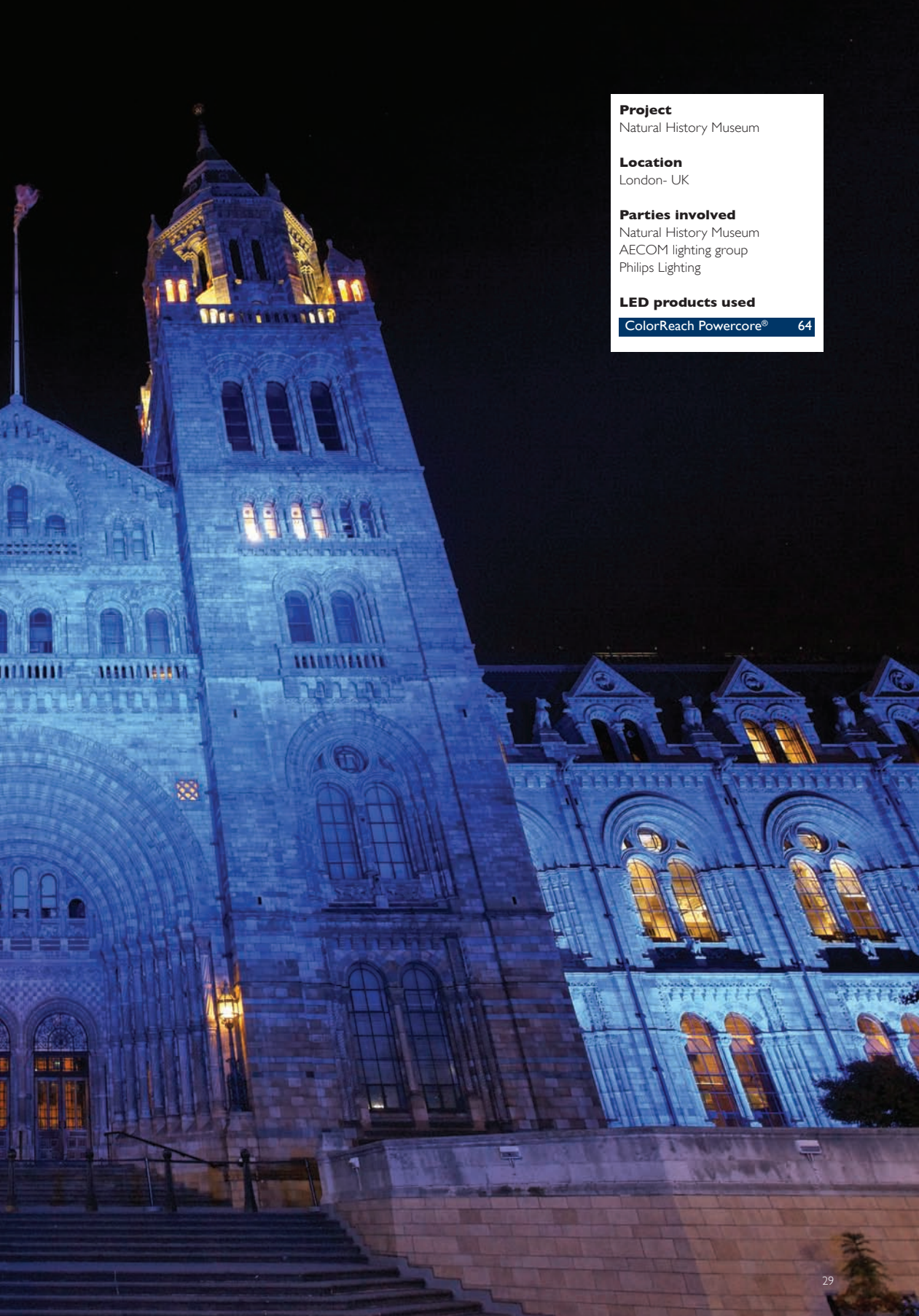
iColor Flex SLX

iW Blast Powercore® 94









**Project**

Natural History Museum

**Location**

London- UK

**Parties involved**

Natural History Museum

AECOM lighting group

Philips Lighting

**LED products used**

ColorReach Powercore® 64







**Project**

Millenium Bridge

**Location**

Gateshead, UK

**Parties involved**

Stage Electrics

Architainment Lighting

Philips Lighting

**LED products used**

ColourReach™ Powercore 64

DMX Controller 520



# MEAL DEAL

ANY hot or cold baguette and ANY cold drink\*  
only £2.99

\*excludes smoothies

ANY hot or cold baguette and ANY cold drink\* **£2.99**

## MEAL DEAL

ANY hot or cold baguette and ANY cold drink\* **£2.99**

**hot**  
food to go

MEAL DEAL ANY hot or cold baguette and ANY cold drink\* **£2.99**





**Project**

Greggs

**Location**

Bromley, UK

**Parties involved**

Greggs Plc  
Philips Lighting

**LED products used**

LuxSpace Mini	256
SpotLED Gen 3	300





COUNT

MOVIE





**Project**

County Hall

**Location**

London, UK

**Parties involved**

Philips Lighting  
Architainment LTD

**LED products used**

ColourReach Powercore® 64

iPlayer® 3 520

THE  
MUSEUM  
OF LONDON





**Project**

The Royal Netherlands Academy

**Location**

Breda, Netherlands

**Parties involved**

Philips Lighting

**LED products used**

ColourReach Powercore® 64

iPlayer® 3 520











**Project**

Potawatomi Bingo Casino

**Location**

Milwaukee WI, USA

**Parties involved**

Philips Lighting  
Creative Lighting and  
Design Engineering

**LED products used**

ColourBlast 12 Powercore® 76





**Project**

Odeon / Bavarian  
Ministry of the Interior

**Location**

Munich, Germany

**Parties involved**

Philips Lighting  
Ackermann & Partners (architects)  
Alexander Weckmer Licht und  
Mediensysteme GmbH

**LED products used**

ColorBlast 12 Powercore® 76

iColorGraze Powercore® 142

iPlayer 3 520



**Project**

Costa Serena Cruise Ship

**Location**

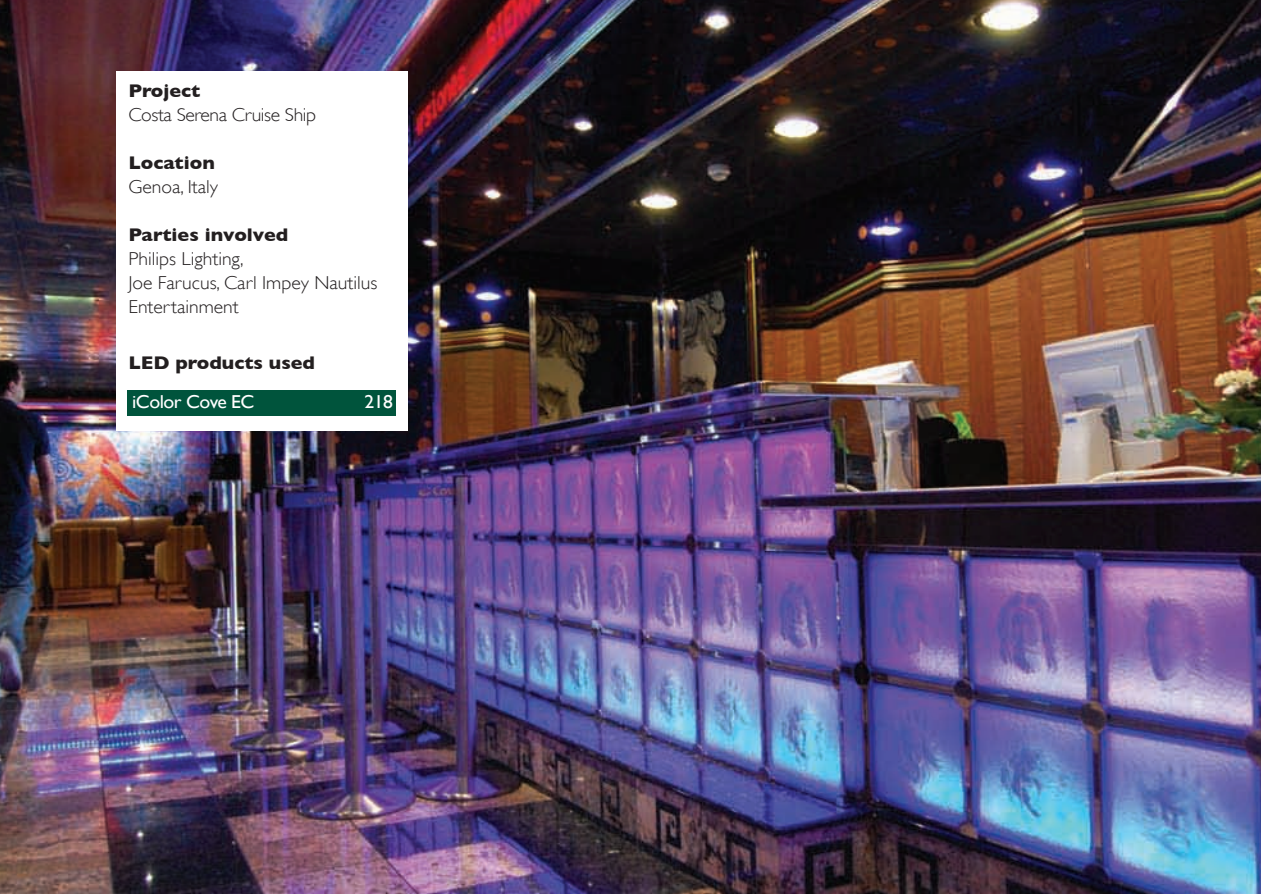
Genoa, Italy

**Parties involved**

Philips Lighting,  
Joe Farucus, Carl Impey Nautilus  
Entertainment

**LED products used**

iColor Cove EC 218

**Project**

NOH Opera  
'Asagao'

**Location**

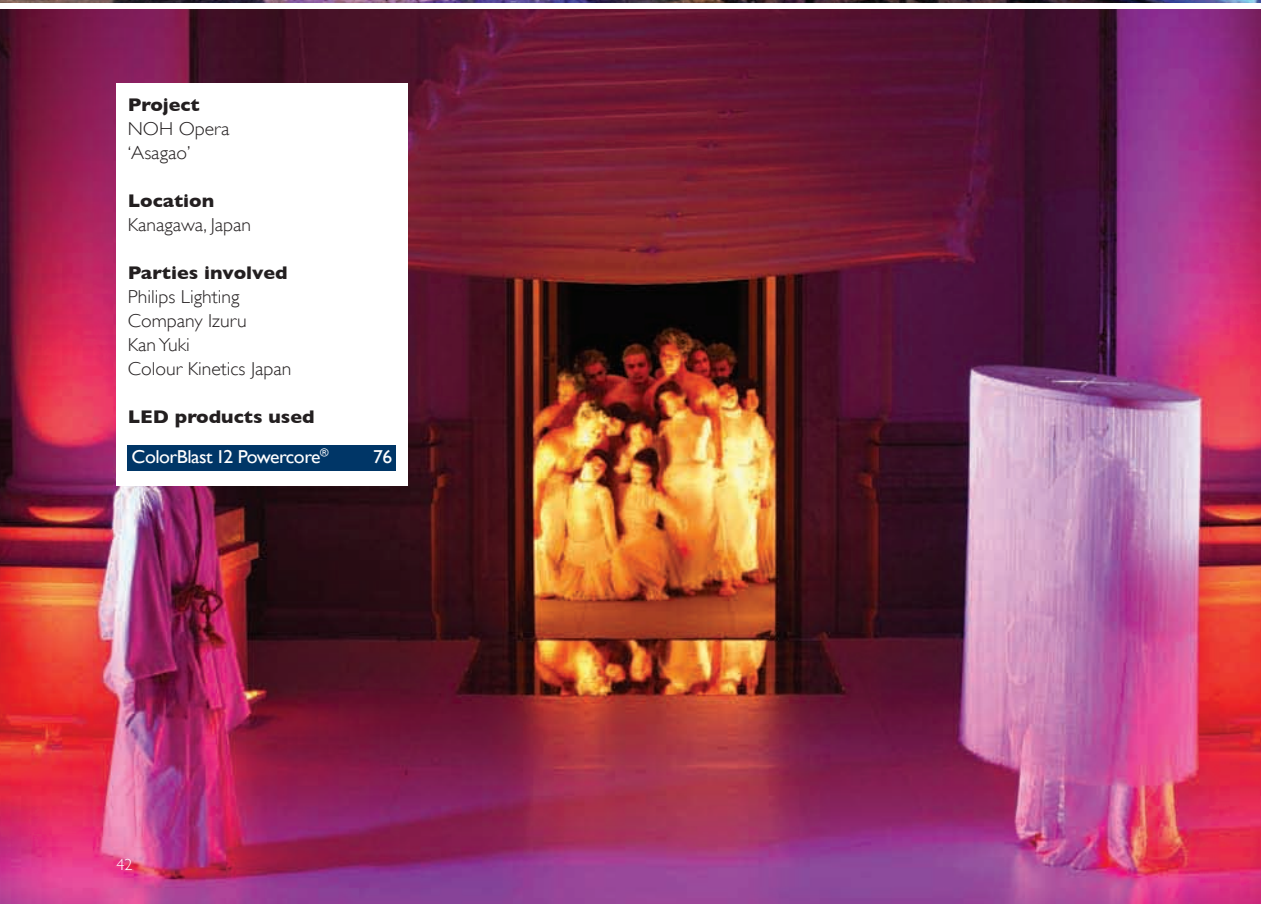
Kanagawa, Japan

**Parties involved**

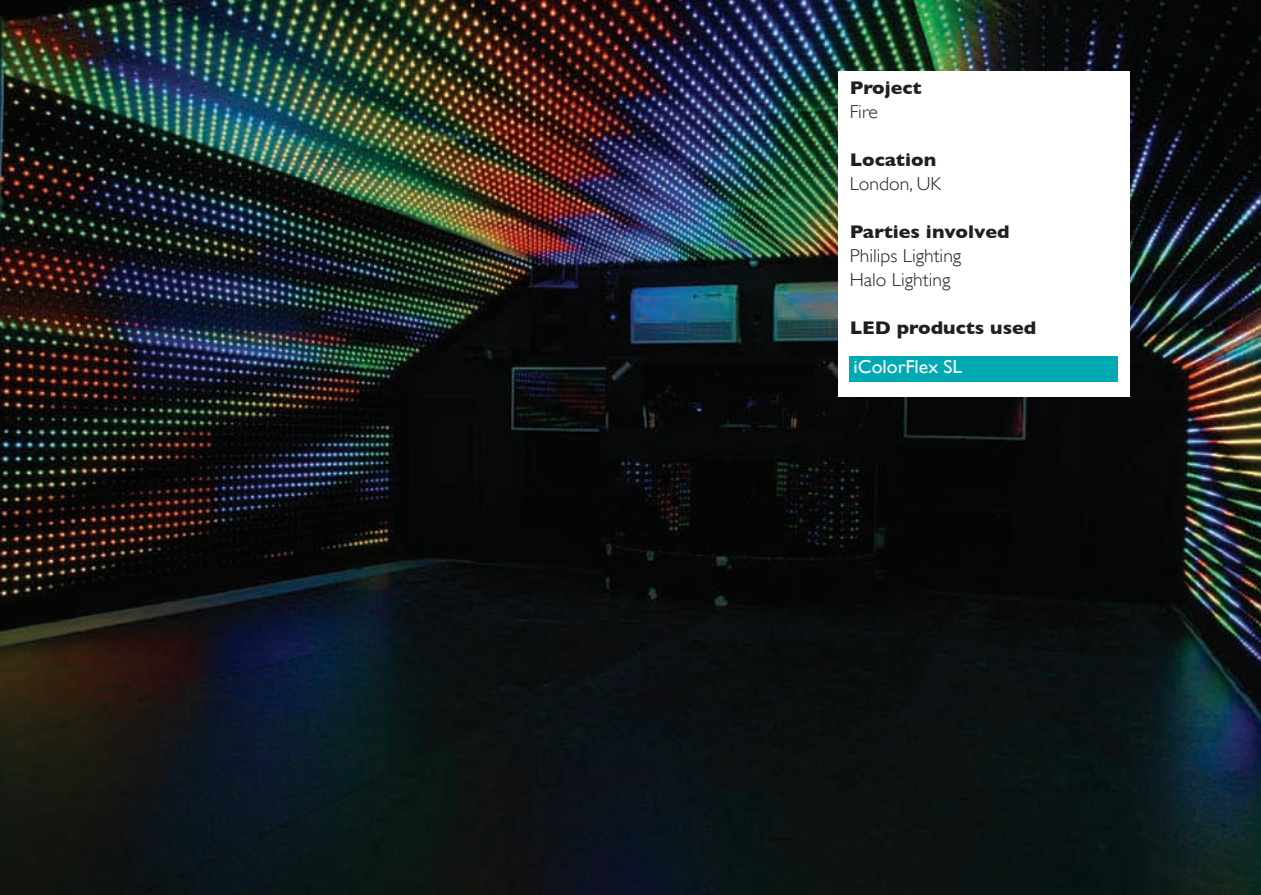
Philips Lighting  
Company Izuru  
Kan Yuki  
Colour Kinetics Japan

**LED products used**

ColorBlast I2 Powercore® 76







**Project**

Fire

**Location**

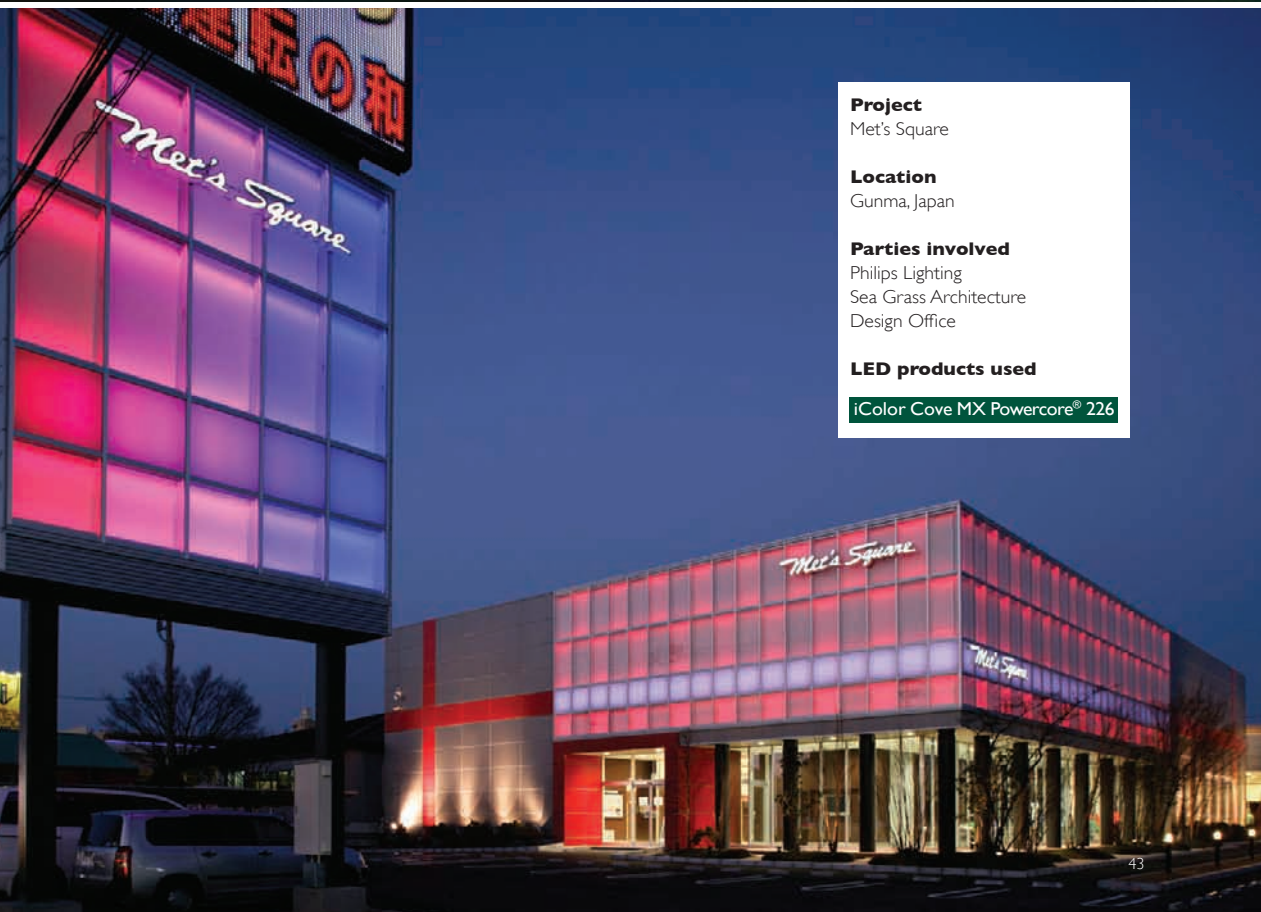
London, UK

**Parties involved**

Philips Lighting  
Halo Lighting

**LED products used**

iColorFlex SL



**Project**

Met's Square

**Location**

Gunma, Japan

**Parties involved**

Philips Lighting  
Sea Grass Architecture  
Design Office

**LED products used**

iColor Cove MX Powercore® 226

**Project**

Continental  
Atlantic City

**Location**

Atlantic City, USA

**Parties involved**

Philips Lighting  
Focus Lighting, Inc.



**Project**

La Rinascente

**Location**

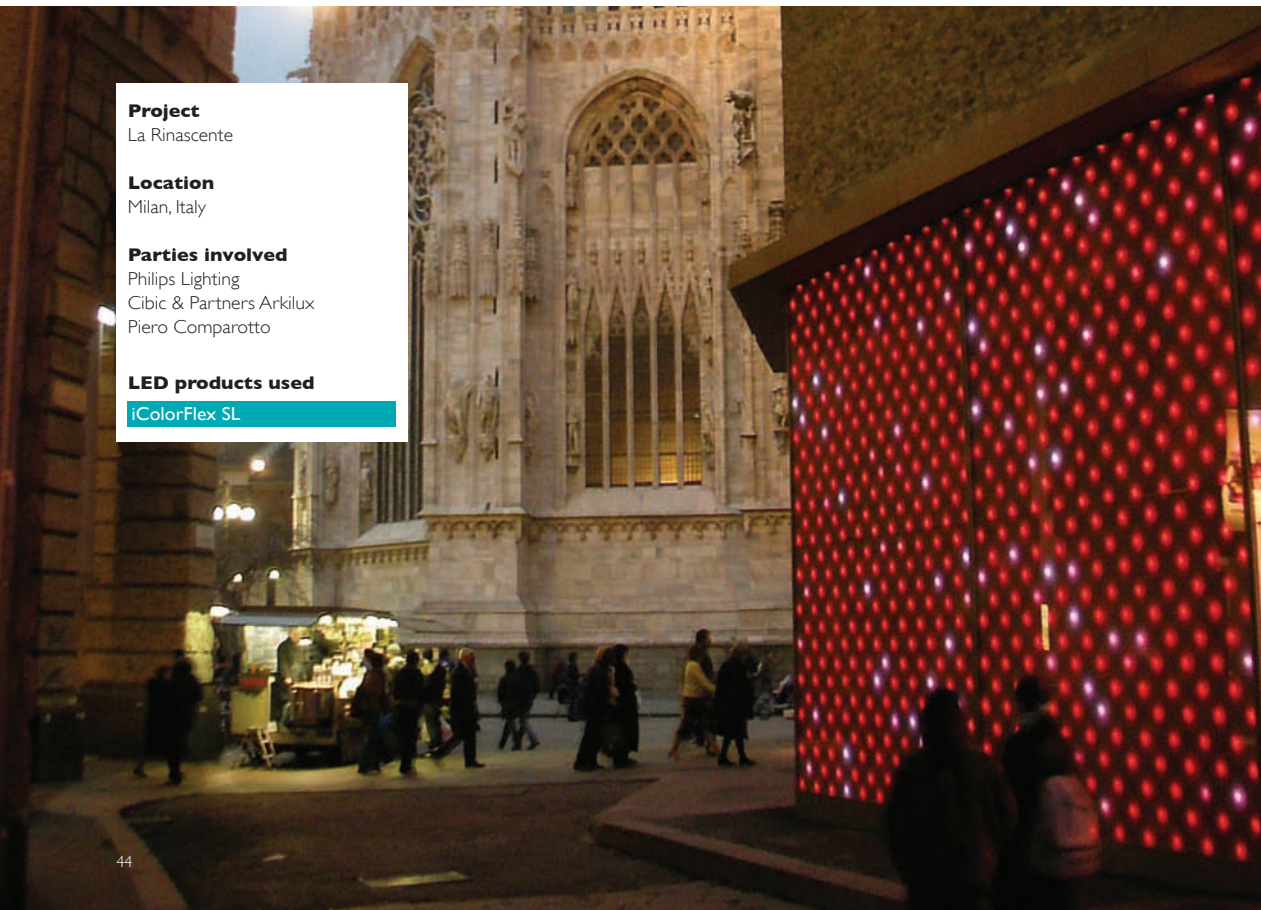
Milan, Italy

**Parties involved**

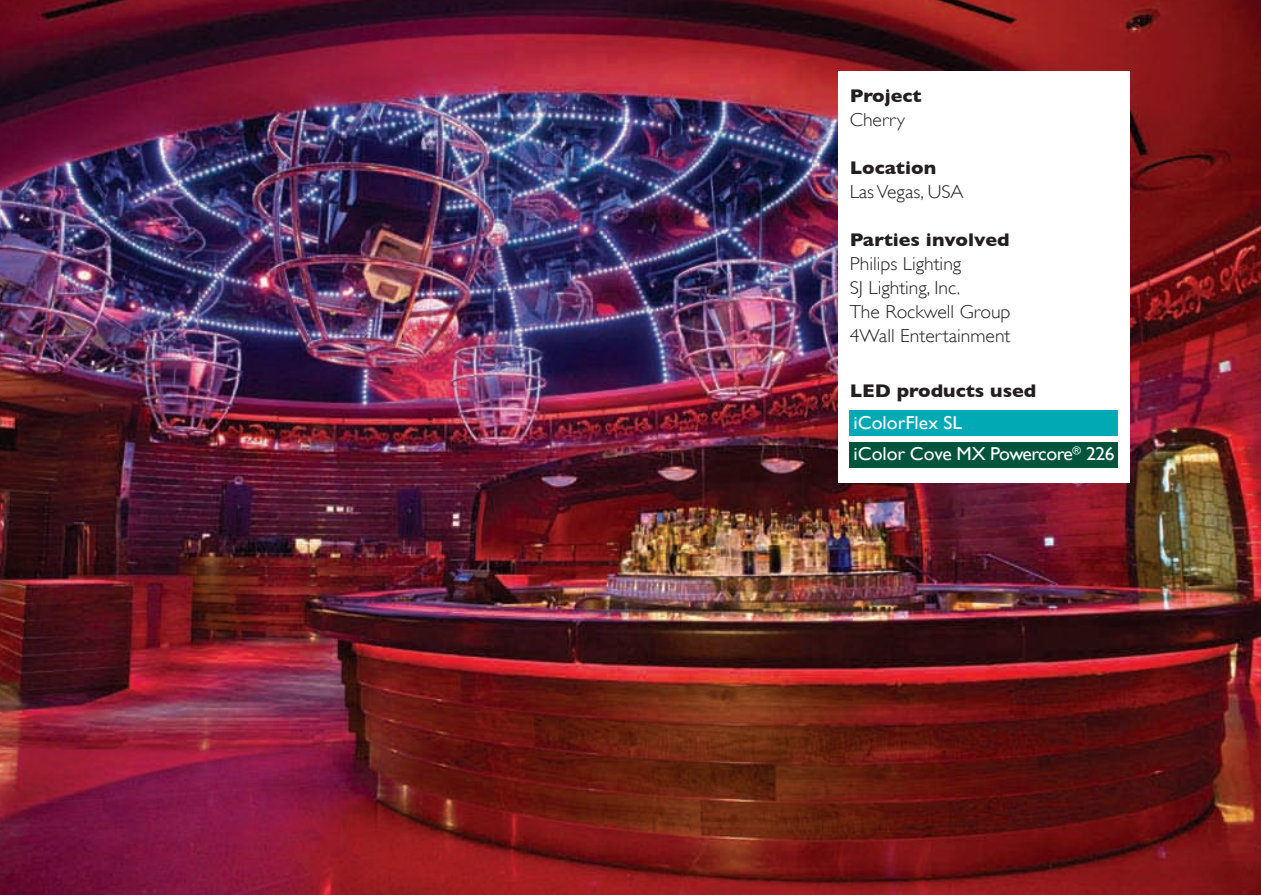
Philips Lighting  
Cibic & Partners Arkilux  
Piero Comparotto

**LED products used**

iColorFlex SL





**Project**

Cherry

**Location**

Las Vegas, USA

**Parties involved**

Philips Lighting

SJ Lighting, Inc.

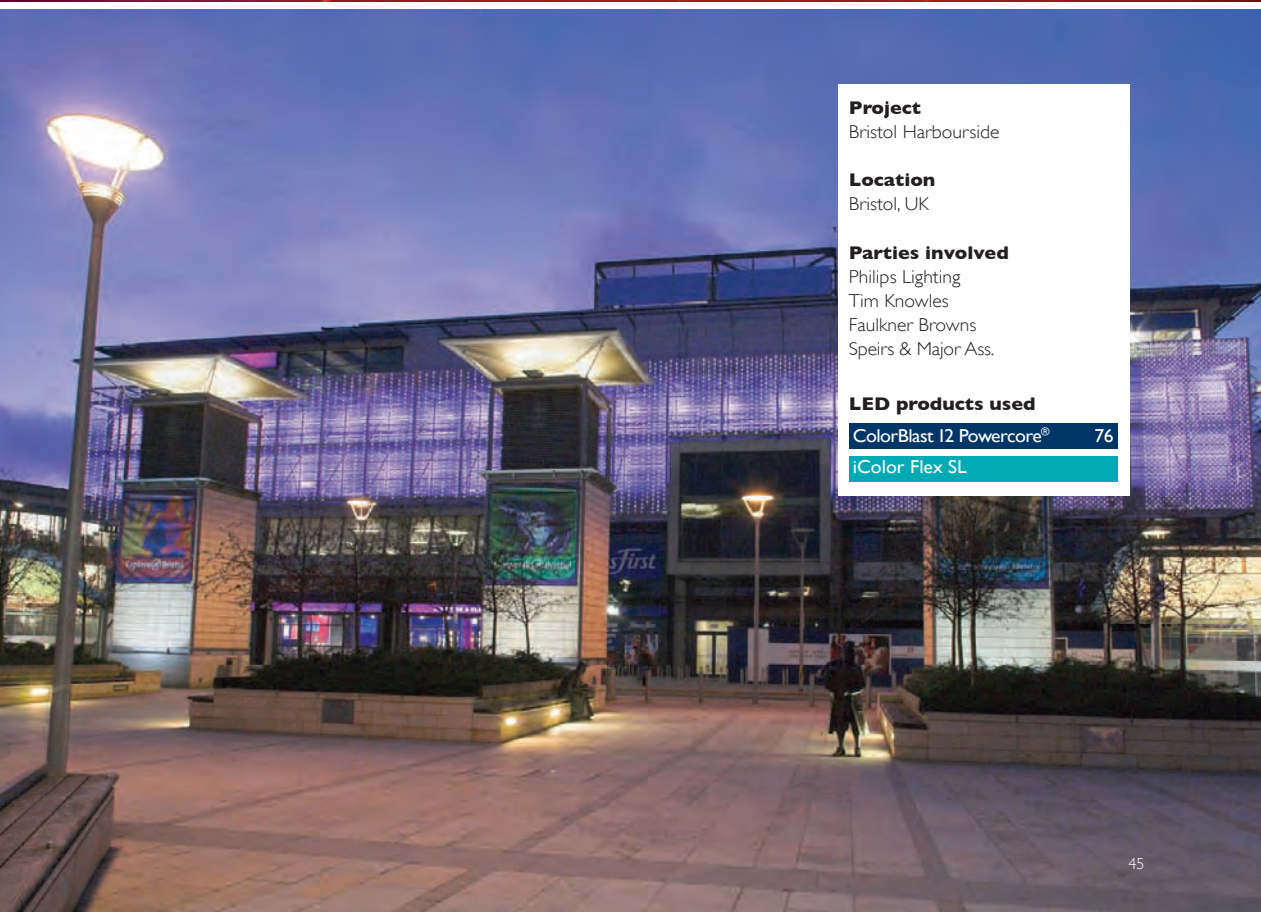
The Rockwell Group

4Wall Entertainment

**LED products used**

iColorFlex SL

iColor Cove MX Powercore® 226

**Project**

Bristol Harbourside

**Location**

Bristol, UK

**Parties involved**

Philips Lighting

Tim Knowles

Faulkner Browns

Speirs & Major Ass.

**LED products used**

ColorBlast I2 Powercore® 76

iColor Flex SL



**Project**

Push

**Location**

Gothenburg, Sweden

**Parties involved**Alexander Lervik, Fredrik Linqvist,  
Stockholm Lighting Company**LED products used**

iColour Cove EC 244

**Project**

Restaurant Flinstering

**Location**

Breda, the Netherlands

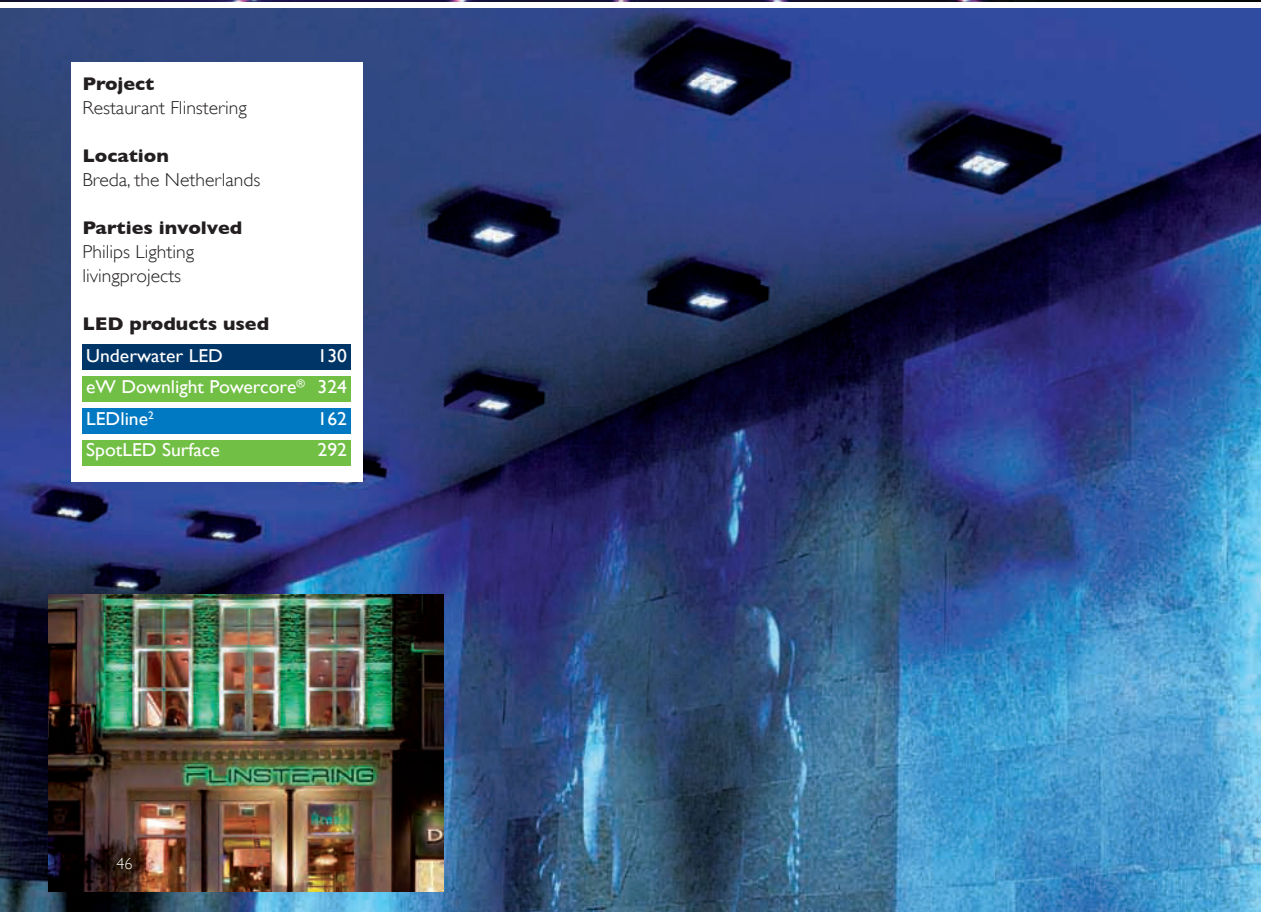
**Parties involved**Philips Lighting  
livingprojects**LED products used**

Underwater LED 130

eW Downlight Powercore® 324

LEDline<sup>2</sup> 162

SpotLED Surface 292





**Project**

Hilfiger Denim

**Location**

New York, USA

**Parties involved**

Philips Lighting  
Lighting Design: Reed Barrow  
Installation & Programming:  
Encore Lighting

**LED products used**

iColour Accent Powercore® 176

Data Enabler Pro 520

Video System Manager 520

**Project**

Gilt

**Location**

New York, USA

**Parties involved**

Philips Lighting  
Studio James Long

**LED products used**

iColor Cove MX Powercore® 226



**Project**

Gran Meliá Palacio de Isora hotel

**Location**

Tenerife, Canary Islands

**Parties involved**

Philips Lighting

**LED products used**

FlexLED NG

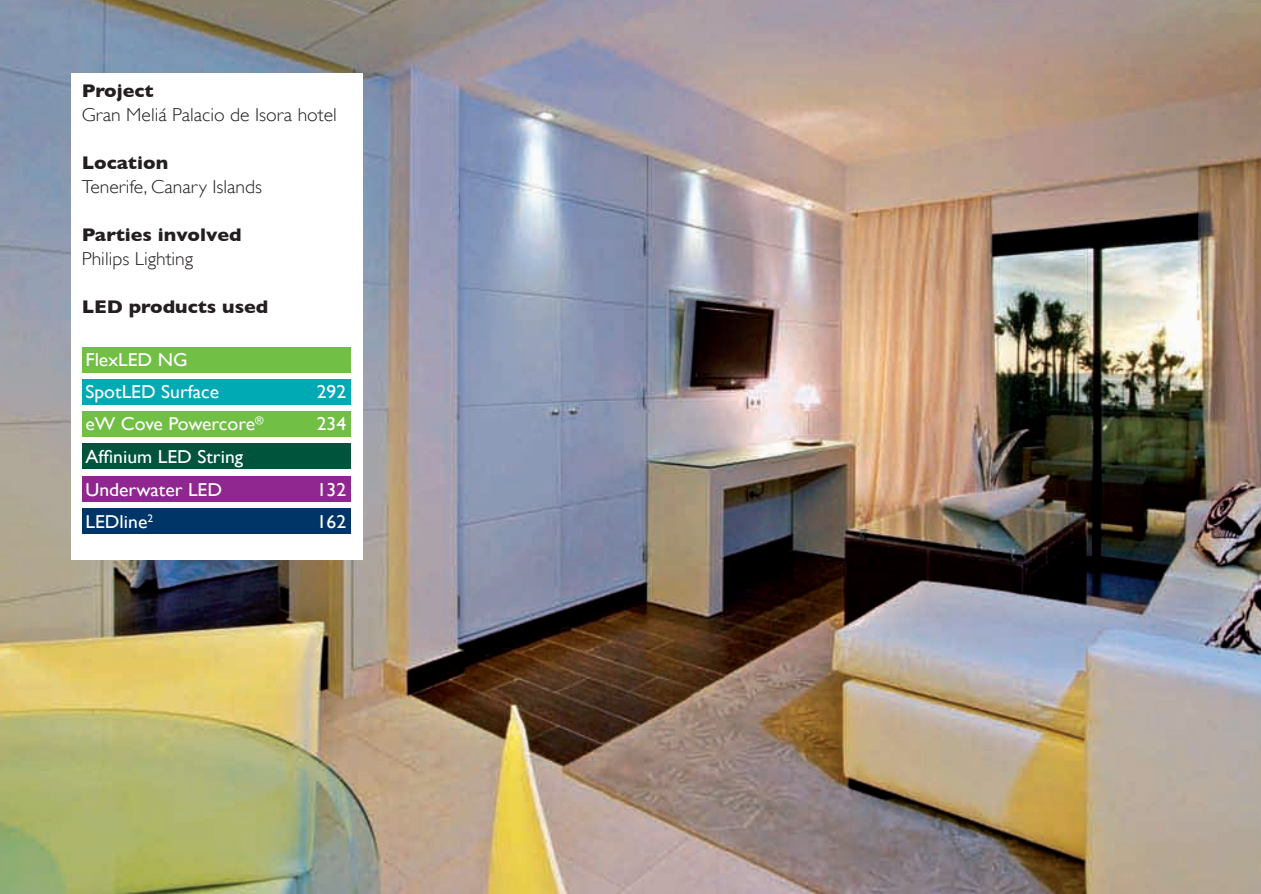
SpotLED Surface 292

eW Cove Powercore® 234

Affinium LED String

Underwater LED 132

LEDline<sup>2</sup> 162

**Project**

Victoria Square shopping and leisure centre

**Location**

Belfast, Northern Ireland

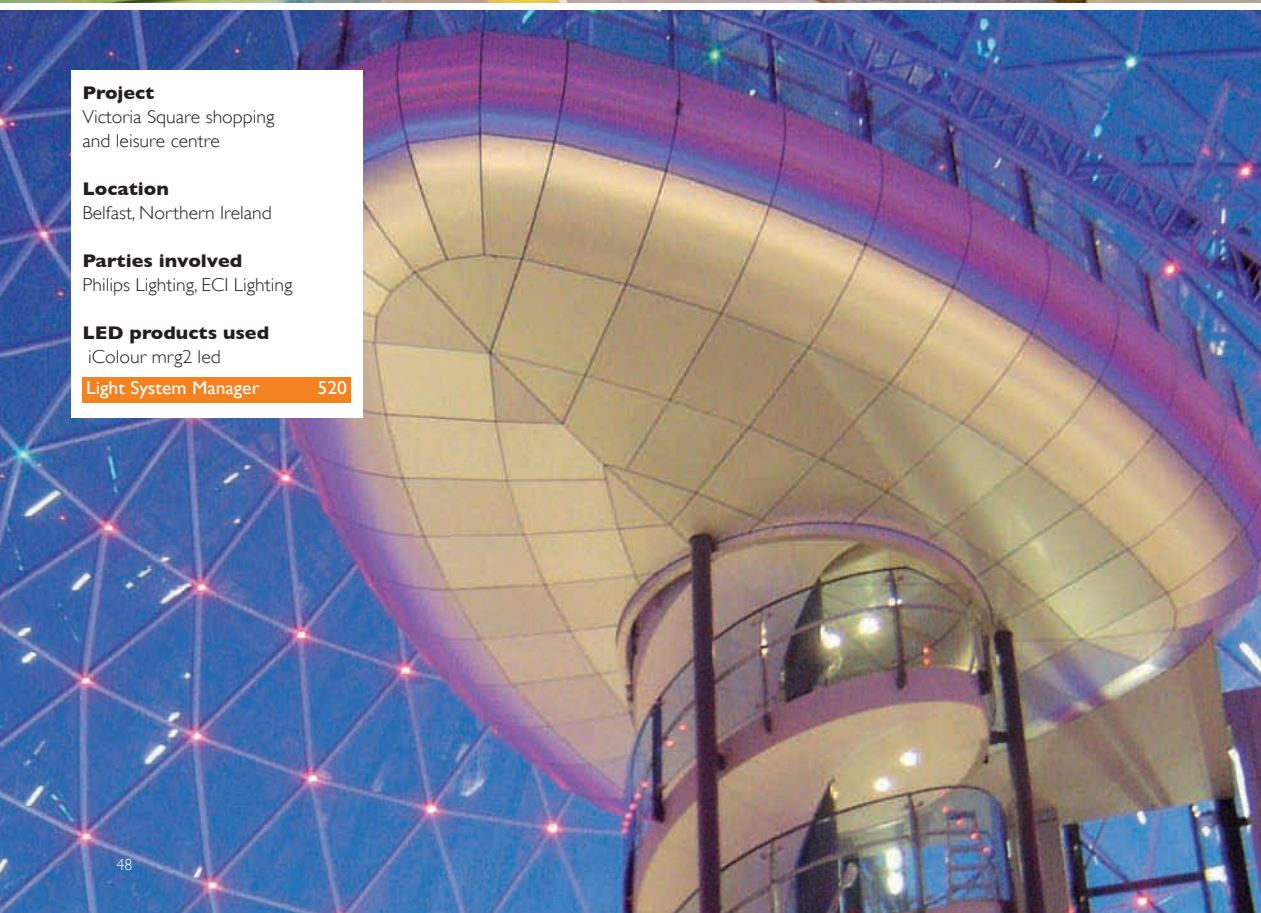
**Parties involved**

Philips Lighting, ECI Lighting

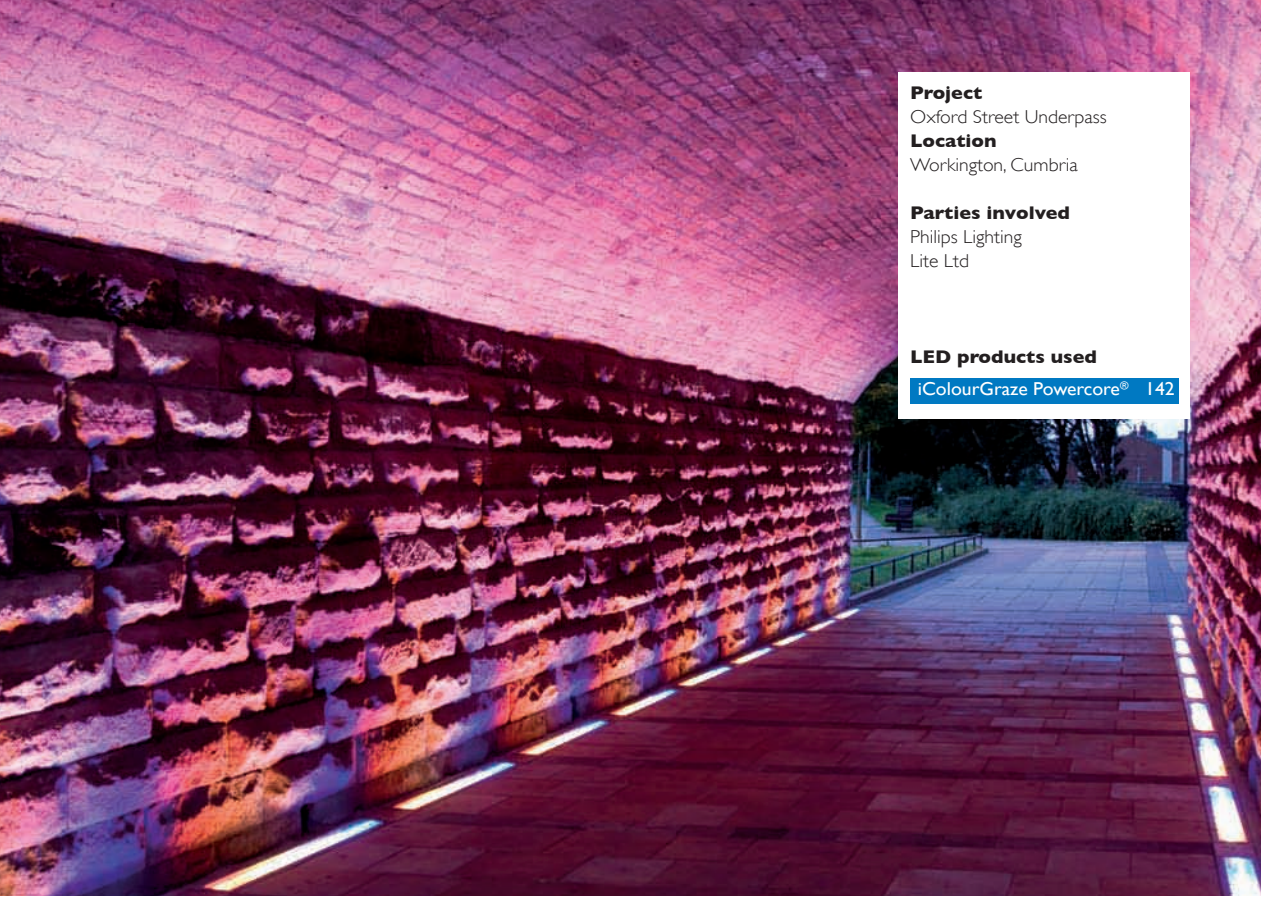
**LED products used**

iColour mrg2 led

Light System Manager 520





**Project**

Oxford Street Underpass

**Location**

Workington, Cumbria

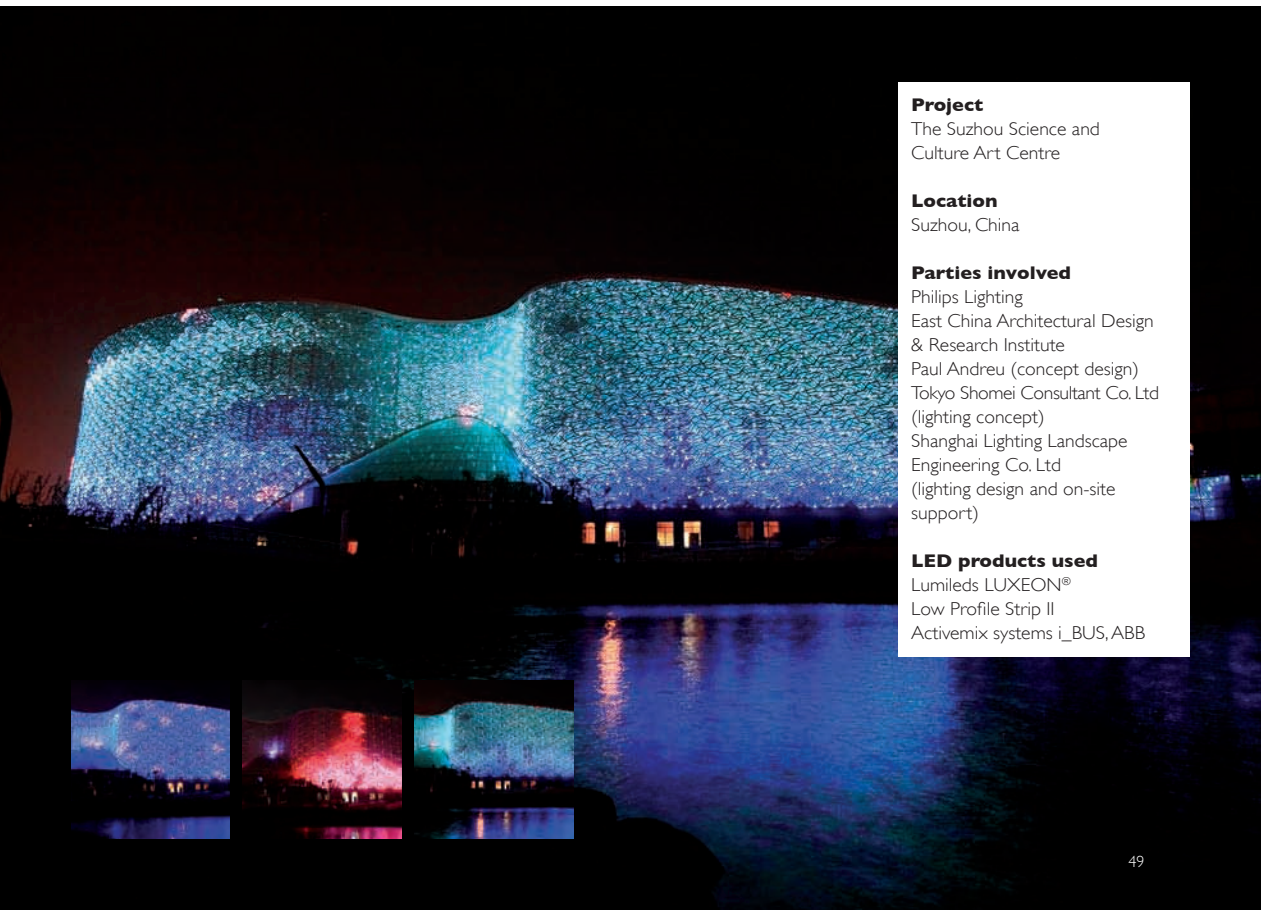
**Parties involved**

Philips Lighting

Lite Ltd

**LED products used**

iColourGraze Powercore® 142

**Project**

The Suzhou Science and Culture Art Centre

**Location**

Suzhou, China

**Parties involved**

Philips Lighting

East China Architectural Design & Research Institute

Paul Andreu (concept design)

Tokyo Shomei Consultant Co. Ltd (lighting concept)

Shanghai Lighting Landscape Engineering Co. Ltd

(lighting design and on-site support)

**LED products used**

Lumileds LUXEON®

Low Profile Strip II

Activemix systems i\_BUS, ABB



**Project**

Bullring shopping centre

**Location**

Birmingham, UK

**Parties involved**Philips Lighting, Weblight,  
Mitie, Architainment**LED products used**

eW Cove Powercore® 234

CityWing

iColor Cove QLX 222

ColorBlast I2 Powercore® 76

**Project**

National Theatre, London

**Project**

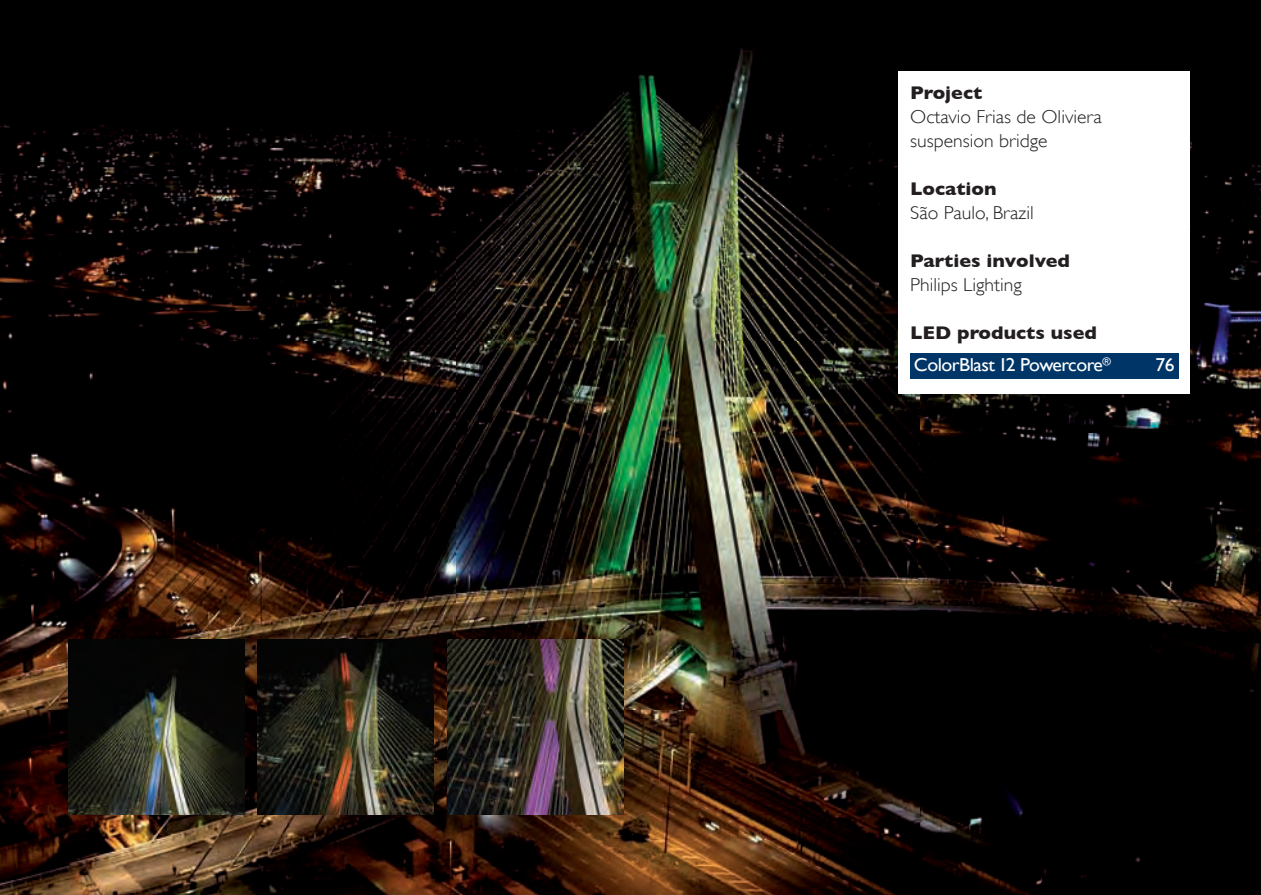
London, UK

**Parties involved**

Philips Lighting

**LED products used**LEDline<sup>2</sup> 162





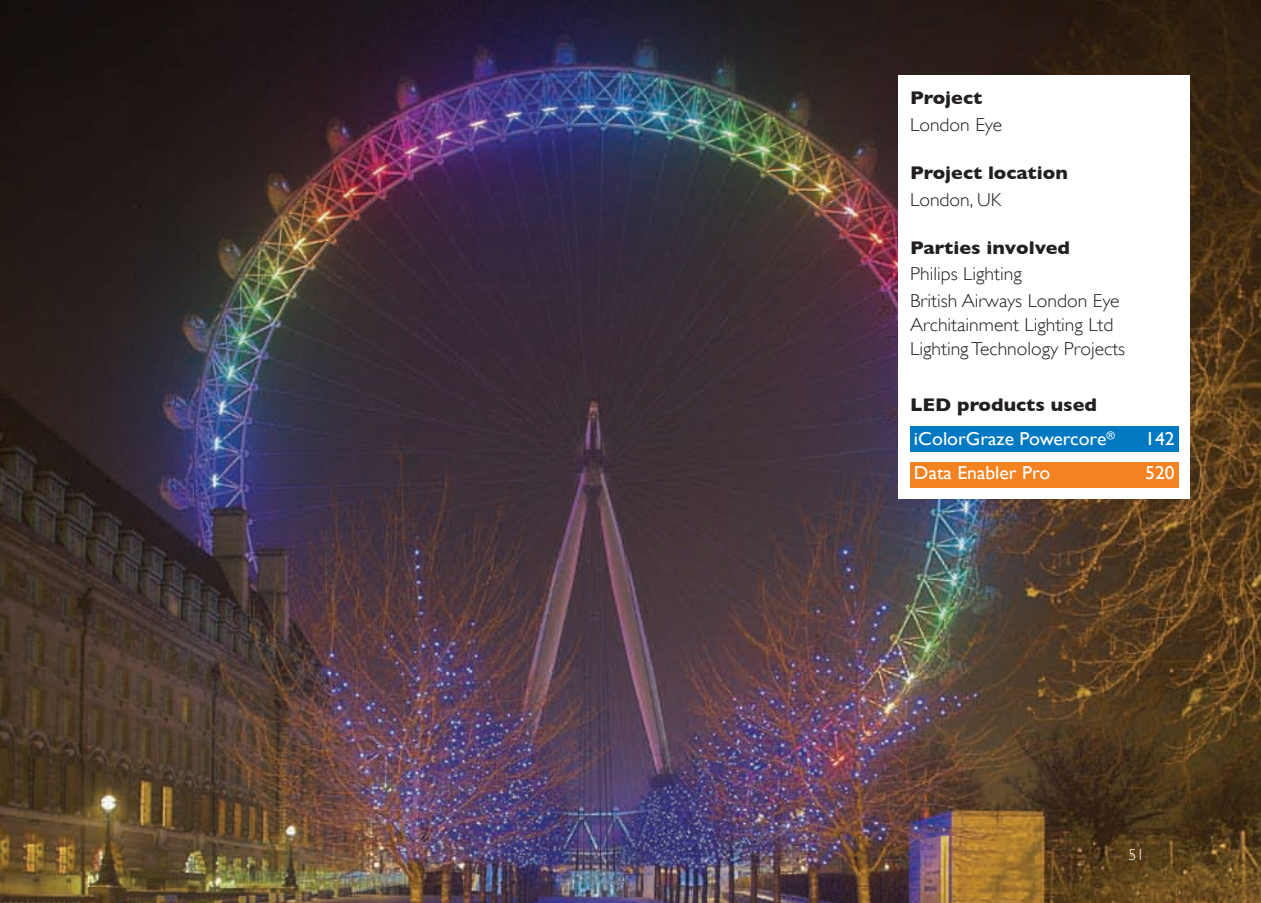
**Project**  
 Octavio Frias de Oliveira  
 suspension bridge

**Location**  
 São Paulo, Brazil

**Parties involved**  
 Philips Lighting

**LED products used**

ColorBlast I2 Powercore®	76
--------------------------	----



**Project**  
 London Eye

**Project location**  
 London, UK

**Parties involved**  
 Philips Lighting  
 British Airways London Eye  
 Architainment Lighting Ltd  
 Lighting Technology Projects

**LED products used**

iColorGraze Powercore®	142
Data Enabler Pro	520





# Be informed

In this part of the book you will find detailed descriptions of the LED sources, luminaires and controls that enable such freedom and creativity in lighting. For each product, the specific characteristics and related benefits are given in an easy-to-access manner. In this way, you can identify the optimum solution for applications ranging from indoor and outdoor to functional, decorative, general or accent lighting.

# Philips Core Technologies

Philips combines LED sources with proprietary technologies to deliver completely integrated solutions that adapt to existing lighting environments. We enable applications that range from extraordinary feats of digital control to common, functional uses of light – all made simple and seamless to the end user. One needn't be an engineer or programmer to use solid-state lighting today.

Our lighting systems boast unique features made possible by a growing number of core technologies – all intended to reduce the cost and complexity of solid-state lighting control, operation and installation.



**Chromacore®** technology is fundamental to all of Philips' intelligent LED lighting systems. It broke ground in 1997 as an unprecedented means for adding intelligence, such as a microprocessor coupled with network addressability and/or user interface, to LED illumination devices. It makes colour-changing effects and variable colour temperature possible, among other feats.

**Chromasic®** is a custom-designed microchip that integrates digital LED control and communication technology in a single silicon chip. The device can be used in numerous system configurations and creates whole new possibilities for both small and large-scale installations, even those that comprise many thousands of individual light nodes – each now equipped with the intelligence to be automatically addressed and controlled.

**Ledino®** Imagine a pure light that looks and feels gentle and welcoming. Imagine revolutionary lighting design so minimalist and versatile that you can use it in the home, hotel, office or atrium, both indoors and out.

Reaching across a range of applications from domestic to professional, Ledino is a light with a minimalist essence that defies traditional boundaries, creating light and lightforms of inspiring purity and beauty.

The performance and quality of the functional is highlighted with up to 80% energy saving over tungsten halogen sources, and 20 year lifetimes, combined in many cases with dimmable control.

Ledino appears alongside our other ranges throughout this catalogue, and although you will see in these inclusions fewer technical details when we feature Ledino, we believe that it is the luminaires themselves which should be inspirational...

**Powercore®** is a digital power processing technology that increases efficiency, lowers the overall cost and eases installation of solid-state lighting systems by integrating power and data management within the fixture itself. It uniquely controls power output to LED-based systems directly from line voltage, eliminating the need for an external power supply and thereby simplifying installation.

**DIMand™** technology allows LED lighting devices to interpret standard dimming signals, essentially allowing the dimmer to become a control interface to the device. It makes certain of Philips' fixtures and lamps compatible with standard dimmers for ease of use.

**Optibin®** is an advanced proprietary production binning optimization process that assures consistent light output from one fixture or lamp to the next. It minimizes the effects of the inherent variance and inconsistency of the "bins" delivered by LED manufacturers to achieve optimal colour consistency in Philips' products.



In part or together, these technologies make it simple for our customers to adopt solid-state lighting today while providing a springboard to applications of the future.

As the global lighting leader, Philips understands the complexities, technical challenges, standards and compliance demands that are critical to the development of LED lighting solutions, whether for colour or white light. These factors far surpass the enclosure of LEDs on a circuit board.

Philips delivers:

- \_Unrivalled expertise – backed by a multi-million dollar investment in R&D and over 17,000 LED lighting installations realised worldwide
- \_A market-proven system infrastructure spanning technology, power and control that's progressively becoming an industry standard for LED illumination
- \_Diverse product lines that range from simple single-colour lamps to advanced systems with digital control
- \_Technology know-how encompassing hardware, software, binning, optics, high-efficiency LED drivers, advanced power components and thermal management
- \_Complete adherence to regulatory and compliance standards for safety, emissions, hazardous substances, electrical codes and more
- \_Extensive validation and environmental testing using third-party facilities to ensure product quality
- \_World-class customer service and technical support around the globe





# ILTI LUCE

Philips ILTI LUCE is a high end Italian based lighting company recently acquired by Philips. ILTI LUCE is one of the leading LED luminaire companies in Europe for architectural indoor lighting.



All products are of the highest handcrafted Italian quality and are developed and manufactured in Turin, Italy.

For more information and products please visit:  
**[www.philips.co.uk/iltiluce](http://www.philips.co.uk/iltiluce)**

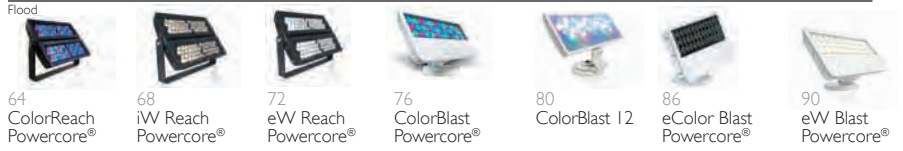
or contact your local Philips representative.







Flood & Underwater



Wall washing / Grazing



Direct view



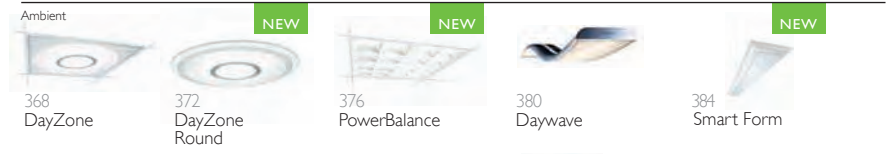
Contour / Cove lighting



Downlights & projectors



Ambient



Guidance



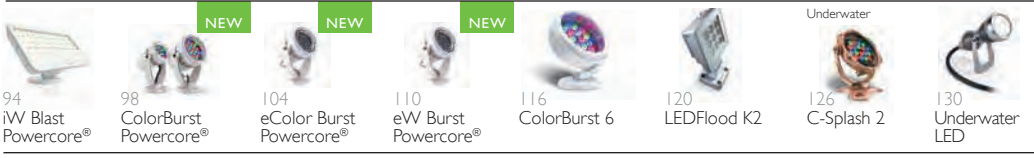
Urban & architectural



Controls







Trade LED  
Solutions  
412

Indoor lighting: downlighters  
- Zadora MASTER  
LEDspot Kit  
- Latina LED  
- TurnRound

Indoor and outdoor lighting  
- Pacific with LED tube  
- SecuriPack LED  
- Gondola LED

Outdoor lighting  
- Vivara LED  
- Vaya flood LED





# Flood & Underwater

Flood



64  
ColorReach  
Powercore®



68  
iW Reach  
Powercore®



72  
eW Reach  
Powercore®



76  
ColorBlast  
Powercore®



80  
ColorBlast 12



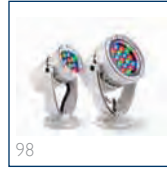
86  
eColor Blast  
Powercore®



90  
eW Blast  
Powercore®



94  
iW Blast  
Powercore®



98  
ColorBurst  
Powercore®



106  
eColor Burst  
Powercore®



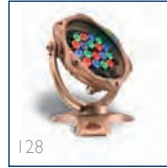
112  
eW Burst  
Powercore®



118  
ColorBurst 6



122  
LEDflood K2



128  
C-Splash 2



132  
Underwater  
LED

Underwater

# ColorReach Powercore®

\_Architectural floodlight

\_Illumination of large architectural façades

\_Enhancing & details, bridges, tower blocks, public monuments and themed attractions

\_Highest available illuminance up to 500ft

\_6 Different lens options

\_Each half is addressable with dual lens options

\_Philips Core Technologies used:

**Powercore® technology** – Power and data combined, eliminating the need for an external power supply

**Chromacore®** – An unprecedented means for adding intelligence to LED illumination devices

**Optibin®** – Production process that ensures light output and colour consistency

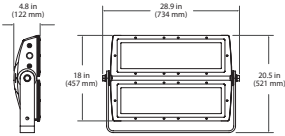






## ColorReach Powercore®

### Standard features



### Type

#### Light source

#### Light colour

#### Power consumption

#### Power/data supply

#### Driver

#### Optic

#### Controls

#### Material and finishing

#### Colour

#### Installation

#### Operating temp.

#### Rotation:

#### Connection:

#### Lifetime

#### Accessories

#### Main applications

#### Classification code

### DCP770

104 x LED-HB

Tri-colour: red, green, blue (RGB)

290W

Not integrated, data enabler to be ordered separately

100-240V AC / 50-60Hz

5° (standard), 8°, 13°, 23°, 43°, 63°, 5° x 17°

Philips full line DXM controllers, including Light System Manager, iPlayer3 or other DMX control sources

Housing: die-cast aluminium, powder-coat finish

Lens: tempered glass

Dark grey

Fixation with bracket on surface

-40°C < Ta < +50°C

360°

Integral male / female waterproof connector; 1.8m leader cable

68,000 hours, 50% lumen maintenance at Ta = 50°C

Spread lenses with bezel

Leader cable 1.8m

Flood lighting skyscrapers, monuments, bridges



Project:  
\_Millenium Gateshead Bridge, UK  
Photography:  
\_Phil Grieveson, FBIPP



## Product Selection

ColorReach Powercore® I04 x LED – DCP770 <i>(6ft Leader Cable included)</i>	Light Colour RGB	Housing ● Dark grey	Beam (°) 5	Weight (kg) 34	Power (w) 290	Order Code 70156800
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## System Components

Data Enabler	Product	Order Code
	Data Enabler Pro	88324099

### Controls

*(See page 524 for full list of controls)*

Product	Order Code
i-Player3	70058599
ColourChaser Touch	80896300
Light System Manager	71442500
iW Scene Controller	71178399

*(Other third party DMX controllers will work with this product)*

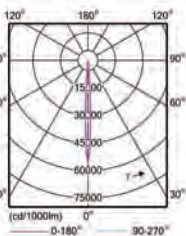
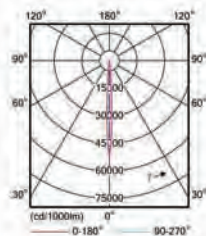
### I lens (per pack)

Product	Degree (°)	Order Code
Spread Lens	8	70170400
Spread Lens	13	70165000
Spread Lens	23	70166700
Spread Lens	43	70167400
Spread Lens	63	70168100
Asymmetric Lens	5 x 17	70169800

## Polar Intensity Diagram *(For further Photometric data please contact our technical department)*

ColorReach Powercore®  
RGB I04 x LED 5°  
2 x Half Fixtures DCP770  
Lamp: 1 x 104 LEDs  
Luminaire Lumens: 1 x 5211

ColorReach Powercore®  
RGB 52 x LED 5°  
1 x Half Fixture DCP770  
Lamp: 1 x 52 LEDs  
Luminaire Lumens: 1 x 2622



# iW Reach Powercore®

\_Architectural Floodlight

\_Illumination of large architectural facades

\_Enhancing & details, bridges, tower blocks, public monuments and themed attractions

\_Highest available illuminance up to 800ft

\_IntelliWhite series featuring colour temperature control from 3000-6500K

\_6 Different lens options

\_Each half is addressable with dual lens options

\_Philips Core Technologies used:

**Powercore®** technology - Power and data combined, eliminating the need for an external power supply

**Chromacore®** - An unprecedented means for adding intelligence to LED illumination devices

**Optibin®** - Production process that ensures light output and colour consistency

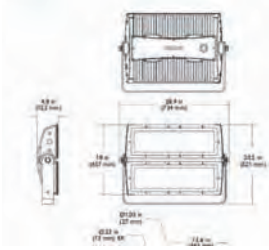






## iW Reach Powercore®

### Standard features



### Type

#### Light source

#### Light colour

#### Power consumption

#### Power/data supply

#### Driver

#### Optic

#### Controls

#### Material and finishing

#### Colour

#### Installation

#### Operating temp.

#### Rotation:

#### Connection:

#### Lifetime

#### Accessories

#### Main applications

#### Classification code

### DCP772

104 x LED-HB

White, tunable 3000 - 6500k

290W

Not integrated, data enabler to be ordered separately

100-240V AC / 50-60Hz

5° (standard), 8°, 13°, 23°, 43°, 63°, 5° x 17°

Philips full line DXM controllers, including Light System Manager, iPlayer3 or other DMX control sources

Housing: die-cast aluminium, powder-coat finish

Lens: tempered glass

Dark grey

Fixation with bracket on surface

-40°C < Ta < +50°C

360°

Integral male / female waterproof connector; 1.8m leader cable

68,000 hours, 50% lumen maintenance at Ta = 50°C

Spread lenses with bezel

Leader cable 1.8m

Flood lighting skyscrapers, monuments, bridges



### Product Selection

#### iW Reach Powercore®

#### Light Colour

○ White

#### Housing

Aluminium

#### Beam

5

#### Weight (kg)

34

#### Power (w)

250

#### Order Code

70188900





## System Components

<b>Data Enabler</b>	<b>Product</b> Data enabler	<b>Order Code</b> 88013300
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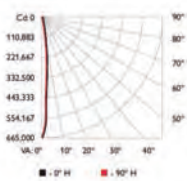
<b>Controls</b>	<b>Product</b> iW Scene Controller	<b>Order Code</b> 71178399
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<b>Cable</b>	<b>Product</b> Spare Leader Cable	<b>Order Code</b> 70163699
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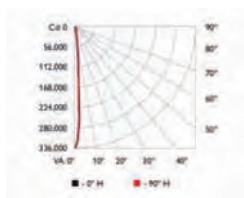
<b>I lens</b>	<b>Product</b>	<b>Degree (°)</b>	<b>Order Code</b>
	Spread Lens	8	70170400
	Spread Lens	13	70165000
	Spread Lens	23	70166700
	Spread Lens	43	70167400
	Spread Lens	63	70168100
	Asymmetric Lens	5 x 17	70169800

## Polar Intensity Diagram (For further Photometric data please contact our technical department)

iW Reach Powercore®  
Luminaire Lumens: 10950 lm



iW Reach Powercore®  
Luminaire Lumens: 5006 lm



# eW Reach Powercore®

\_Architectural Floodlight

\_Illumination of large architectural facades

\_Enhancing & details, bridges, tower blocks, public monuments and themed attractions

\_Highest available illuminance up to 800ft

\_Choice of three colour temperatures, 2700K, 4000K & 6500K

\_6 Different lens options

\_Each half is addressable with dual lens options

\_Philips Core Technologies used:

**Powercore®** technology - Power and data combined, eliminating the need for an external power supply

**Chromacore®** - An unprecedented means for adding intelligence to LED illumination devices

**Optibin®** - Production process that ensures light output and colour consistency

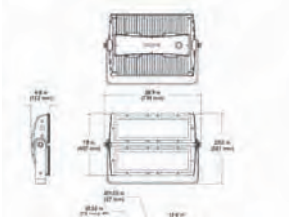











## eW Reach Powercore®

### Standard features



<b>Type</b>	<b>DCP771</b>
<b>Light source</b>	104 x LED-HB
<b>Light colour</b>	Warm White 2700k, Cool White 4000k
<b>Power consumption</b>	250W
<b>Power/data supply</b>	Not integrated, data enabler to be ordered separately
<b>Driver</b>	100-240V AC / 50-60Hz
<b>Optic</b>	5° (standard), 8°, 13°, 23°, 43°, 63°, 5° x 17°
<b>Controls</b>	Philips full line DXM controllers, including Light System Manager, iPlayer3 or other DMX control sources
<b>Material and finishing</b>	Housing: die-cast aluminium, powder-coat finish Lens: tempered glass
<b>Colour</b>	Dark grey
<b>Installation</b>	Fixation with bracket on surface
<b>Operating temp.</b>	-40°C < Ta < +50°C
<b>Rotation:</b>	360°
<b>Connection:</b>	Integral male / female waterproof connector, 1.8m leader cable included
<b>Lifetime</b>	68,000 hours, 50% lumen maintenance at Ta = 50°C
<b>Accessories</b>	Spread lenses with bezel Leader cable 1.8m
<b>Main applications</b>	Flood lighting skyscrapers, monuments, bridges
<b>Remarks</b>	This is a made to order product
<b>Classification</b>	    

### Product Selection

#### eW Reach Powercore®



Light Colour	Lumens	Beam	Weight	Efficacy	CRI	Order Code
		(°)	(kg)	(lm/W)		
2700k	8612 (no spread lens, full unit)	5	34	34.4	83.1	70186500
4000k	11392 (no spread lens, full unit)	5	34	45.6	80	70187200

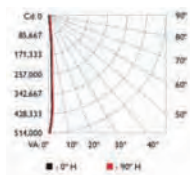
## System Components

<b>Data Enabler</b> <i>(needed for CE certification)</i>	<b>Product</b> Data Enabler Pro	<b>Order Code</b> 88324099	
<b>Cable</b>	<b>Product</b> Spare Leader Cable	<b>Order Code</b> 70190200	
<b>I lens</b>	<b>Product</b>	<b>Degree (°)</b>	<b>Order Code</b>
	Spread Lens	8	70170400
	Spread Lens	13	70165000
	Spread Lens	23	70166700
	Spread Lens	43	70167400
	Spread Lens	63	70168100
	Asymmetric Lens	5 x 17	70169800

## Polar Intensity Diagram *(For further Photometric data please contact our technical department)*

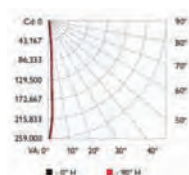
### eW Reach Powercore® 2700K

without spread lens, full unit  
Luminaire Lumens: 8.612 lm



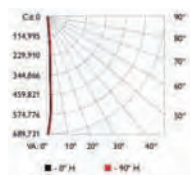
### eW Reach Powercore® 2700K

without spread lens, half unit  
Luminaire Lumens: 4.255 lm



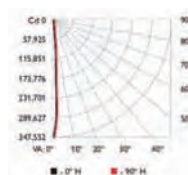
### eW Reach Powercore® 4000K

without spread lens, full unit  
Luminaire Lumens: 11.392 lm



### eW Reach Powercore® 4000K

without spread lens, half unit  
Luminaire Lumens: 5.668 lm





# ColorBlast Powercore®

\_Wide range of wall-washing effects with rich, saturated colours

\_Ease and flexibility of installation

\_Operational efficiency and outstanding control

\_Robust construction for indoor and outdoor applications

\_Energy efficient

\_Environmentally sound: no toxic metals used

\_Long operating life

\_Philips Core Technologies used:

**Powercore® technology** – Power and data combined, eliminating the need for an external power supply

**Optibin®** – Production process that ensures light output and colour consistency

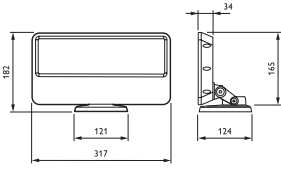






Project  
\_Hard Rock Cafe  
Biloxi, USA



## ColorBlast Powercore®

### Standard features



<b>Type</b>	<b>BCP470</b>
<b>Light source</b>	36 x LED-HB
<b>Light colour</b>	Red, green, blue (RGB)
<b>Power supply</b>	100-240V AC / 50-60Hz
<b>Power consumption</b>	Max 50W
<b>Optic</b>	Narrow beam angle 10° (clear lens) Medium beam angle 23° (frosted lens)
<b>Controls</b>	Compatible with full line of Philips DMX controllers
<b>Materials and finishing</b>	Housing: die-cast aluminium Cover: tempered glass, clear or soft-focus
<b>Colour</b>	Black (BK) or white (WH)
<b>Installation</b>	Surface mounting Starting temperature: -20°C < Ta < 50°C Operating temperature: -40°C < Ta < 50°C Locking base swivel: after-installation rotation up to 350° rotation Locking fixture rotation: 110°
<b>Lifetime</b>	50,000 hours at 50°C (complies with IES LM-79-08)
<b>Remarks</b>	Data enabler; controls equipment and cables to be ordered separately
<b>Main applications</b>	Architectural outdoor (floodlighting) and indoor
<b>Classification code</b>	IP 20  

### Product Selection

ColorBlast 12 Powercore® – BCP470	Light Colour	Housing	Beam (°)	Weight (kg)	Power (w)	Order Code
	 RGB	○ White	10	3	50	79102699
			23	3	50	79100299
	● Black	10	3	50	79103399	
		23	3	50	79101999	



## System Components

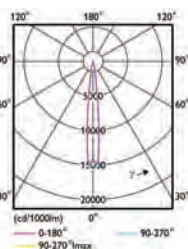
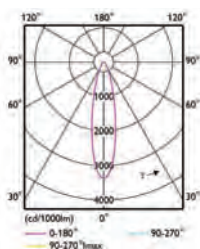
Data Enabler	Product	Order Code
	Data Enabler Pro	88324099

Controls	Product	Order Code
(See page 524 for full list of controls)	i-Player3	70058599
	ColourChaser Touch	80896300
	Light System Manager	71442500
	Video System Manager	71443200
	<i>(Other third party DMX controllers will work with this product)</i>	

## Polar Intensity Diagram (For further Photometric data please contact our technical department)

ColorBlast 12 Powercore®  
 RGB 23° Narrow beam  
 BCP470  
 Lamp: 1 x 36 LEDs  
 Luminaire Lumens: 1 x 633

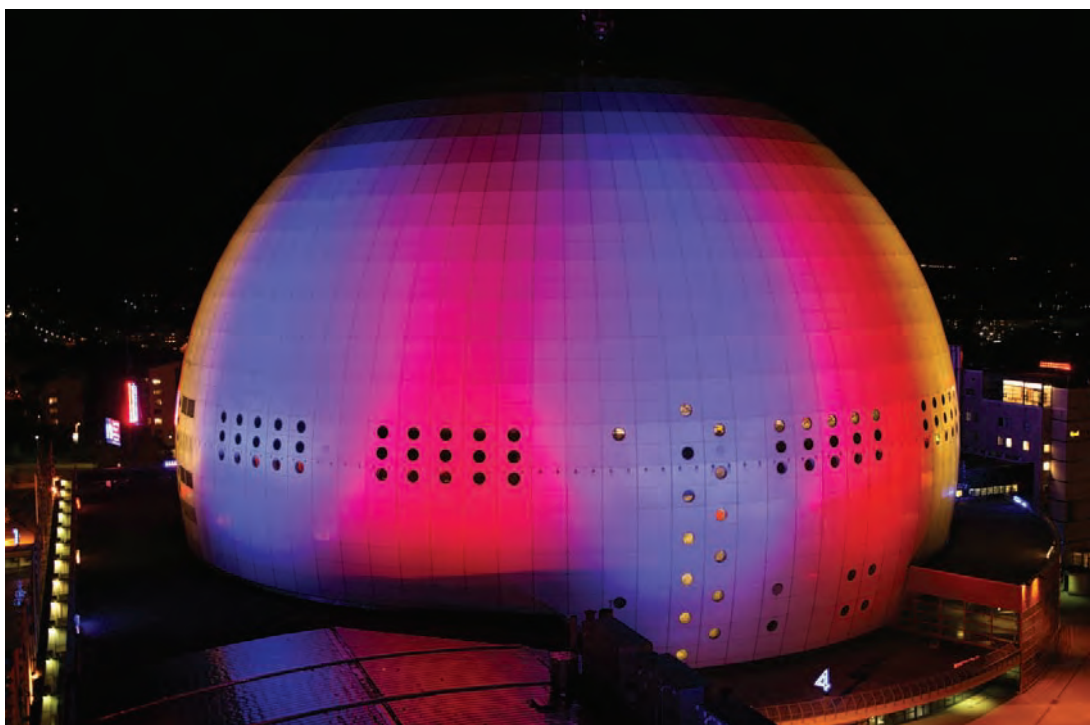
ColorBlast 12 Powercore®  
 RGB 10° Narrow beam  
 BCP470  
 Lamp: 1 x 36 LEDs  
 Luminaire Lumens: 1 x 725



# ColorBlast 12

- \_Wide range of wall-washing effects with rich, saturated colours
- \_Ease and flexibility of installation
- \_Operational efficiency and outstanding control
- \_Robust construction for indoor and outdoor applications
- \_Energy efficient
- \_Environmentally sound: no toxic metals used
- \_Long operating life
- \_Philips Core Technologies used:
  - Optibin®** – Production process that ensures light output and colour consistency





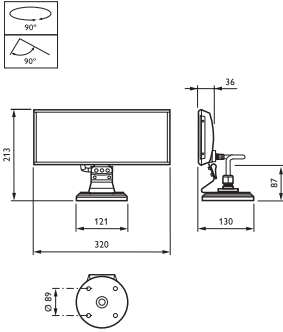
Project (top):  
\_The Alamo, USA

Project (bottom):  
\_Globen, Gerhard Rehm  
Photography:  
\_Honer Akrawi



## ColorBlast 12

### Standard features



### Type

**BCP461**

### Light source

36 x LED-HB

### Light colour

Red, green, blue (RGB)

### Power supply

24V DC

### Power consumption

Max 50W

### Optic

Narrow beam angle 10°  
Medium beam angle 23°

### Controls

Compatible with full line of Philips DMX controllers

### Materials and finishing

Housing: die-cast aluminium  
Cover: tempered glass, clear or soft-focus

### Colour

Black (BK) or white (WH)

### Installation

Surface mounting  
Starting temperature:  $-20^{\circ}\text{C} < T_a < 50^{\circ}\text{C}$   
Operating temperature:  $-40^{\circ}\text{C} < T_a < 50^{\circ}\text{C}$   
Locking base swivel: after-installation rotation up to  $350^{\circ}$  rotation  
Locking fixture rotation:  $110^{\circ}$

### Lifetime

50,000 hours at  $50^{\circ}\text{C}$  (complies with IES LM-79-08)

### Remarks

Power/data supply enabler; controls equipment and cables to be ordered separately

### Main applications

Architectural outdoor (floodlighting) and indoor

### Classification code



## Product Selection

### ColorBlast 12 – BCP461



Light Colour	Housing	Beam (°)	Weight (kg)	Power (w)	Order Code
RGB	○ White	10	3.5	50	88034899
		23	3.5	50	88032499
	● Black	10	3.5	50	88035599
		23	3.5	50	88033199

## System Components (For both ColorBlast 12 and 6)

Power Supplies	Product	Description	Order Code
	PDS-60 24V	Runs 1 x ColorBlast 12 & 2 x ColorBlast 6	71085499
	PDS-60 24V DMX/Ethernet	Runs 1 x ColorBlast 12 & 2 x ColorBlast 6	71086199
	PDS-150e	Runs 3 x ColorBlast 12 & 6 x ColorBlast 6	71081699

### Controls

(See page 524 for full list of controls)

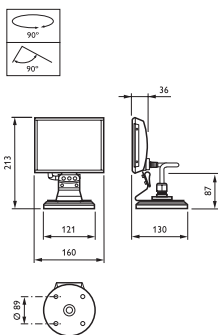
### Product

Product	Order Code
i-Player3	70058599
ColourChaser Touch	80896300
Light System Manager	71442500

(Other third party DMX controllers will work with this product)

## ColorBlast 6

### Standard features



<b>Type</b>	<b>BCP460</b>
<b>Light source</b>	18 x LED-HB
<b>Light colour</b>	Red, green, blue (RGB)
<b>Power supply</b>	24V DC
<b>Power consumption</b>	Max 25W
<b>Optic</b>	Narrow beam angle 10° Medium beam angle 23°
<b>Controls</b>	Compatible with full line of Philips DMX controllers
<b>Materials and finishing</b>	Housing: die-cast aluminium Cover: tempered glass
<b>Colour</b>	Black (BK) or white (WH)
<b>Installation</b>	Surface mounting Starting temperature: $-20^{\circ}\text{C} < T_a < 50^{\circ}\text{C}$ Operating temperature: $-40^{\circ}\text{C} < T_a < 50^{\circ}\text{C}$ Locking base swivel: after-installation rotation up to 350° rotation Locking fixture rotation: 110°
<b>Lifetime</b>	50,000 hours at 50°C (complies with IES LM-79-08)
<b>Remarks</b>	Power/data supply enabler; controls equipment and cables to be ordered separately.
<b>Main applications</b>	Architectural outdoor (accentlighting) and indoor
<b>Classification code</b>	IP66 CE

### Product Selection

#### ColorBlast 6 – BCP460

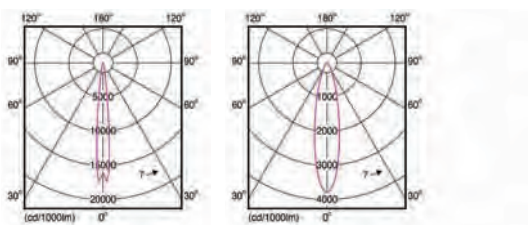


Light Colour	Housing	Beam (°)	Weight (kg)	Power (w)	Order Code
RGB	○ White	10	2.95	25	88038699
		23	2.95	25	88036299
	● Black	10	2.95	25	88039399
		23	2.95	25	88037999

### Polar Intensity Diagram

ColorBlast 6  
RGB 12° BCP460  
Lamp: 1 x 18 LEDs  
Luminaire Lumens: 1 x 342

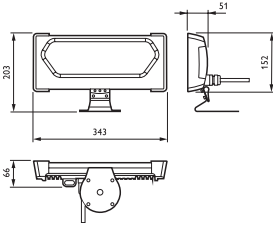
ColorBlast 6  
RGB 22° BCP460  
Lamp: 1 x 18 LEDs  
Luminaire Lumens: 1 x 300



☎ For further information call 01483 293 258

## ColorBlast 12 TR

### Standard features



### Type

**BCS462**

### Light source

36 x LED-HB

### Light colour

Red, green, blue (RGB)

### Power supply

24V

### Power consumption

Max 50W

### Optic

Narrow beam angle 10°  
Medium beam angle 23°

### Controls

Compatible with full line of Philips DMX controllers

### Materials and finishing

Housing: die-cast aluminium  
Cover: tempered glass, clear or soft-focus

### Colour

Black (BK)

### Installation

Surface mounting  
Starting temperature:  $-20^{\circ}\text{C} < T_a < 50^{\circ}\text{C}$   
Operating temperature:  $-40^{\circ}\text{C} < T_a < 50^{\circ}\text{C}$   
Locking base swivel: after-installation rotation up to 350° rotation

### Lifetime

50,000 hours at 50°C (complies with IES LM-79-08)

### Remarks

Data enabler; controls equipment and cables to be ordered separately

### Main applications

Architectural outdoor (floodlighting) and indoor

### Classification code



## Product Selection

### ColorBlast 12 TR –



### Light Colour



RGB

### Housing



Black

### Beam (°)

10/23

### Weight (kg)

3.8

### Power (w)

50

### Order Code

70182799

## System Components

### Power Supplies

### Product

PDS-750TR

### Description

Runs 12 x ColorBlast 12TR

### Order Code

### Controls

(See page 524 for full list of controls)

### Product

i-Player3

ColourChaserTouch

Light System Manager

(Other third party DMX controllers will work with this product)

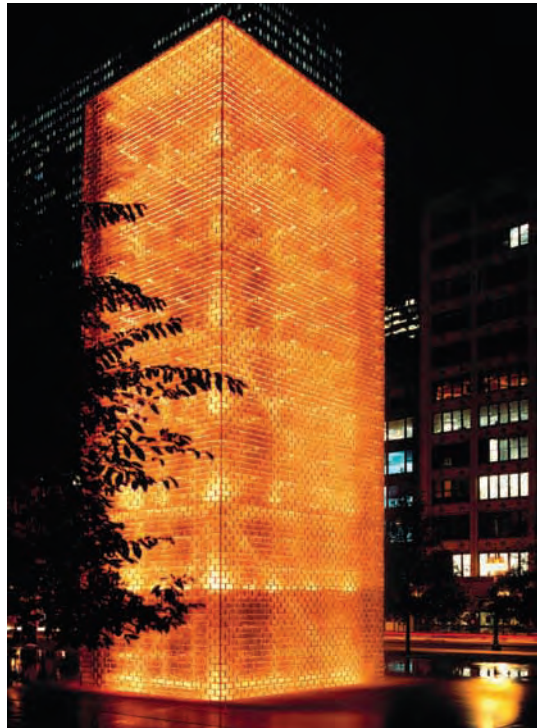
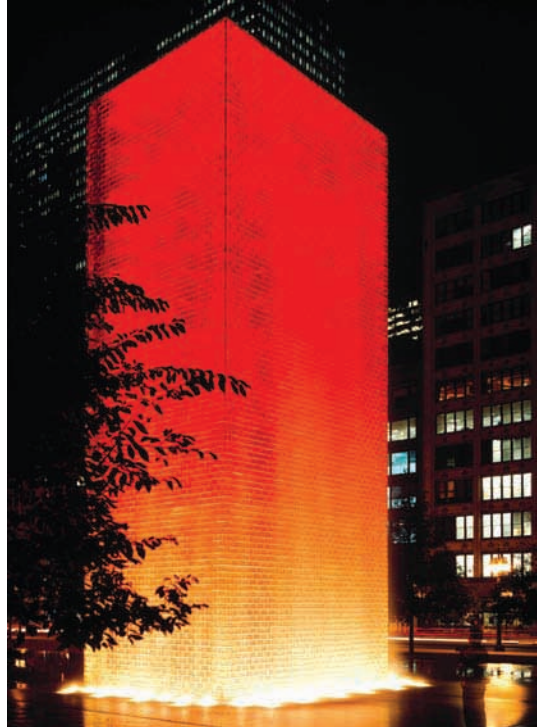
### Order Code

70058599

80896300

71442500





# eColor Blast Powercore®

- \_Outdoor floodlight suitable for architectural features, lighting signage and retail spaces
- \_High-intensity wall-washing capabilities of rich, saturated colours
- \_Significantly lower power drawn than other comparable non-LED fixtures
- \_A choice of beam angles and lens options available for soft-edge beam or extended light projection
- \_Philips Core Technologies used:
  - Powercore®** – Power and data combined, eliminating the need for an external power supply
  - Chromacore®** – An unprecedented means for adding intelligence to LED illumination devices
  - Optibin®** – Production process that ensures light output and colour consistency



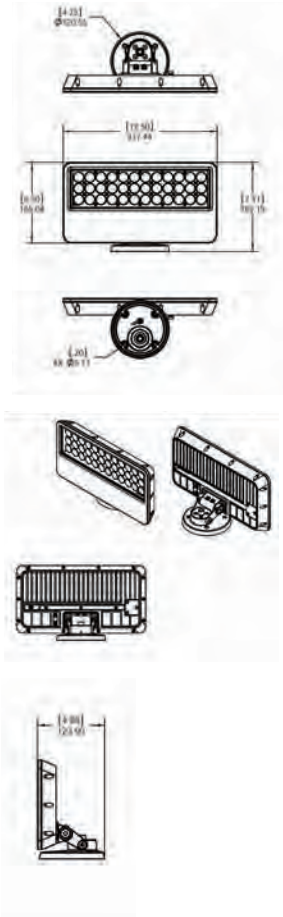






## eColour Blast Powercore®

### Standard features



### Type

**BCP471**

### Light source

High Brightness LED

### Number of LED's

36

### Lumen package

1000 lumens (estimated, varies with color)

### Light colour

Blue, Green, Red, or Amber

### Inrush current

.63A (@ 240VAC/50Hz)

### Optic

Narrow Beam (10°)

### Optical cover

Tempered Glass Lens

### Material

Powder-coated Aluminum

### Colour

White or Black

### Lifetime

70,000 hrs to L70 (30% lumen depreciation) @ 25°C

### Classification codes



## Product Selection

eColor Blast Powercore® - BCP471	Light Colour	Housing	Beam	Weight (kg)	Power (W)	Order code
● Amber		White	10	3.00	50	88297799
		Black	10	3.00	50	88298499
		White	21	3.00	50	88295399
		Black	21	3.00	50	88296099
● Blue		White	10	3.00	50	88289299
		Black	10	3.00	50	88290899
		White	21	3.00	50	88287899
		Black	21	3.00	50	88288599
● Green		White	10	3.00	50	88293999
		Black	10	3.00	50	88294699
		White	21	3.00	50	88291599
		Black	21	3.00	50	88292299
● Red		White	10	3.00	50	88301199
		Black	10	3.00	50	88302899
		White	21	3.00	50	88299199
		Black	21	3.00	50	88300499



# eW Blast Powercore®

- \_High-intensity wash of neutral or warm white light
- \_Significantly lower power draw than comparable non-LED fixtures
- \_A frosted glass lens for a soft-edge beam and a clear lens for extended light projection
- \_Application areas - architectural features, general site illumination, and lighting signage and retail spaces

**Powercore®** technology - Power and data combined, eliminating the need for an external power supply

**Chromacore®** - An unprecedented means for adding intelligence to LED illumination devices

**Optibin®** - Production process that ensures light output and colour consistency

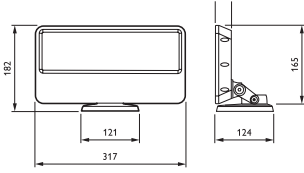






## eW Blast Powercore®

### Standard features



### Type

**BCP47I**

### Light source

36 X LED-HB

### Light colour

Warm white, 2700 K (+/- 145)  
Neutral white, 4000 K (+/- 275)

### Optic

Narrow beam angle 10°  
Medium beam angle 21°

### Material and finishing

Housing: die-cast aluminium  
21° beam angle optic: soft focus, frosted polycarbonate  
10° beam angle optic: clear polycarbonate

### Colour

White or black powder-coated finish

### Lifetime

70,000 hours, 70% lumen maintenance at Ta = 25degreeC

### Classification codes



## Product Selection

### eW Blast Powercore® - BCP471



Light Colour	Housing	Beam	Weight (kg)	Power (W)	Order code
● Warm White (2700K)	White	10	3.00	50	88050899
● Warm White (2700K)	Black	10	3.00	50	88051599
● Warm White (2700K)	White	21	3.00	50	88048599
● Warm White (2700K)	Black	21	3.00	50	88049299
○ Neutral White (4000K)	White	10	3.00	50	88054699
○ Neutral White (4000K)	Black	10	3.00	50	88055399
○ Neutral White (4000K)	White	21	3.00	50	88052299
○ Neutral White (4000K)	Black	21	3.00	50	88053999

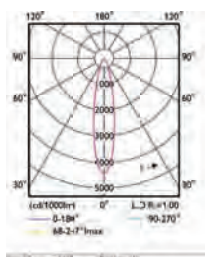
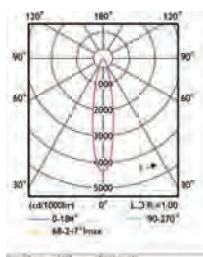
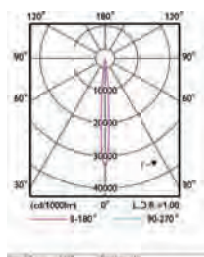
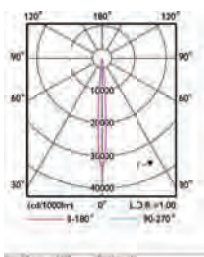
### Polar Intensity Diagram *(For further Photometric data please contact our technical department)*

Luminaire : BCP471 36-LED-HB/WW-2700 10  
Lampflux : 1 x 1990 lm  
Measurement code : ITL64096  
Measurement date : 2010-03-23  
Measurement status : Released  
L.O.R. : 1.00

Luminaire : BCP471 36-LED-HB/WW-4000 10  
Lampflux : 1 x 2390 lm  
Measurement code : ITL64098  
Measurement date : 2010-03-23  
Measurement status : Released  
L.O.R. : 1.00

Luminaire : BCP471 36-LED-HB/WW-2700 21  
Lampflux : 1 x 1786 lm  
Measurement code : ITL64097  
Measurement date : 2010-03-23  
Measurement status : Released  
L.O.R. : 1.00

Luminaire : BCP471 36-LED-HB/WW-4000 21  
Lampflux : 1 x 2141 lm  
Measurement code : ITL64099  
Measurement date : 2010-03-23  
Measurement status : Released  
L.O.R. : 1.00



☎ For further information call 01483 293 258



# iW Blast Powercore®

- \_Suitable for architectural detail, theatrical stage and studio lighting
- \_IntelliWhite series featuring colour temperature control from 3000-6500K
- \_Choice of beam angles from narrow and medium
- \_Available in colour choice options
- \_Philips Core Technologies used:

**Powercore® technology** – Power and data combined, eliminating the need for an external power supply

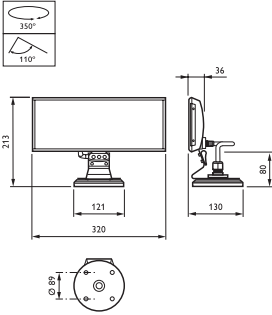
**Chromacore®** – An unprecedented means for adding intelligence to LED illumination devices

**Optibin®** – Production process that ensures light output and colour consistency





**Standard features**



**Type**

**Light source**

**Light colour**

**Power supply**

**Power consumption**

**Optic**

**Controls**

**Materials and finishing**

**Housing**

**Installation**

**Lifetime**

**Remarks**

**Main applications**

**Classification code**

**BCP431**

30 x LED-HB

White, tunable 3000-6500K

100-240V AC / 50-60Hz

50W at 110-240V AC (60W at 100V AC)

Narrow beam angle 18°

Medium beam angle 24°

Compatible with full line of Philips DMX controllers

Housing: die-cast aluminium

Cover: tempered glass

Black (BK) or white (WH)

Surface mounting

Starting temperature: -20°C < Ta < 50°C

Operating temperature: -40°C < Ta < 50°C

Locking base swivel: after-installation rotation up to 350° rotation

Locking fixture rotation: 110°

50,000 hours at 50°C (complies with IES LM-79-08)

Data enabler; controls equipment and cables to be ordered separately

Architectural outdoor (floodlighting) and indoor





## Product Selection

### iW Blast Powercore® – BCP431



Light Colour	Housing	Beam (°)	Weight (kg)	Power (w)	Order Code
○ White	○ White	18	3.6	50	71188299
	● Black	18	3.6	50	71189999
	○ White	24	3.6	50	71186899
	● Black	24	3.6	50	71187599

## System Components

### Data Enablers

### Product

Data Enabler Pro  
iW Data Enabler

### Order Code

88324099  
71179099

### Controls

(See page 524 for full list of controls)

### Product

iW Scene Controller

### Order Code

71178399

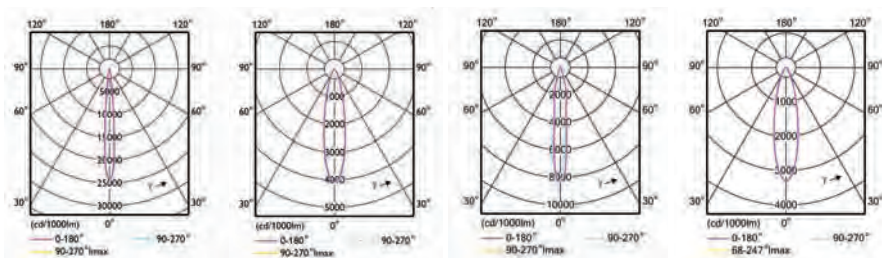
## Polar Intensity Diagram

iW Blast I2 TR  
3000-6500K Clear lens  
10° Medium beam BCS422  
Lamp: 1 x 36 white LEDs  
Luminaire Lumens: 1 x 1679

iW Blast I2 TR  
3000-6500K Frosted lens  
23° Wide beam BCS422  
Lamp: 1 x 36 white LEDs  
Luminaire Lumens: 1 x 1469

iW Blast  
10° BCP431  
Lamp: 1 x 30 LEDs  
Luminaire Lumens: 1 x 766

iW Blast  
23° BCP431  
Lamp: 1 x 30 white LEDs  
Luminaire Lumens: 1 x 683



# ColorBurst Powercore®

- \_High output for Accent Lighting
  - \_Flexible mounting options with Architectural and Landscape versions
  - \_Burst Powercore fixtures can tilt through a full 180° and Architectural fixtures also rotate a full 360° for precise aiming
  - \_User interchangeable optics
  - \_Energy efficient
  - \_Long operating lifetime
  - \_Philips Core Technologies used:
- Powercore®** technology - Power and data combined, eliminating the need for an external power supply
- Optibin®**- Production process that ensures light output and colour consistency

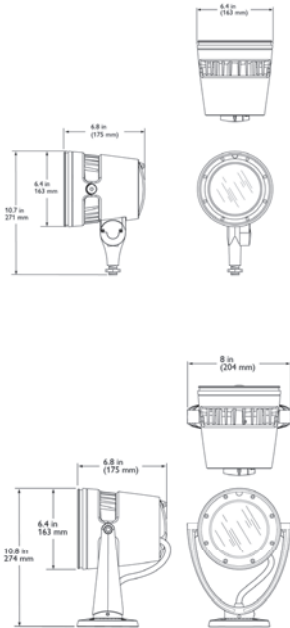






# ColorBurst Powercore®

## Standard features



### Type

**BCP462**

### Light colour

Red, Green, Blue (RGB)

### Power consumption

Max 30W

### Light Source

19 x LED-HB

### Lumen Package

647lm (8°) 571lm (14°) 558lm (23°) 552lm (41°) 584lm (10° x 41°)

### Optic

14°, 23°, 41° and asymmetric 10° x 41° spread lenses  
Honeycomb louvre

### Controls

Compatible with full line of Philips DMX controllers

### Housing

Grey, Black, White

### Materials and finishing

Housing: high pressure, die-cast aluminium, powder coated finish  
Glass: Tempered  
Mounting Bracket: high pressure, die-cast aluminium, powder coated finish

### Operating temp.

-40° to +50°C Operating  
-20° to +50°C start up

### Lifetime

90,000 hours at Ta 25°C (with 3-RGB channels on full)  
55,000 hours at Ta 50°C (with 3-RGB channels on full)

### Accessories

Spread lenses and trim ring (to hold each lens on the product)  
Honeycomb louvre and trim ring (to hold louvre on the product)  
Glare shield 45° and full glare shield

### Main applications

Architectural, Accent Lighting

### Classification code



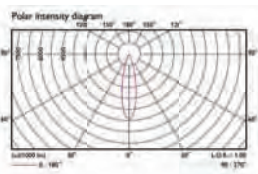
### Remarks

Data enabler; control equipment and cables to be ordered separately

## Polar Intensity Diagram *(For further Photometric data please contact our technical department)*

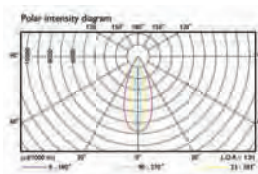
### ColorBurst BCP462

1x19-LED-HB/RGB 23D  
Lampflux: 1 x 560 lm



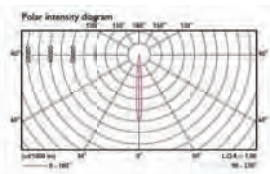
### ColorBurst BCP462

1x19-LED-HB/RGB 41x8D  
Lampflux: 1 x 580 lm









### ColorBurst BCP462

1x19-LED-HB/RGB 8D  
Lampflux: 1 x 650 lm



## Product Selection

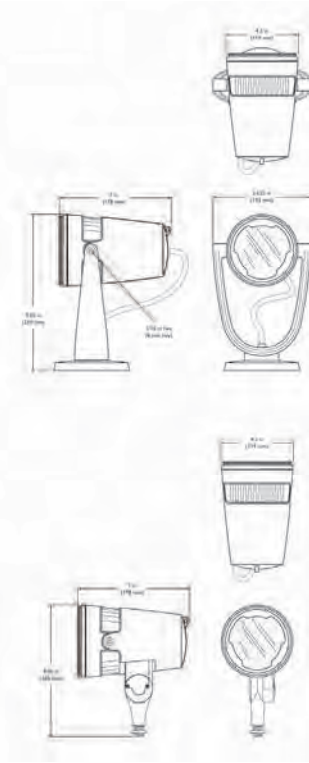
<b>ColorBurst Powercore BCP462</b>	<b>Housing Colour</b>	<b>Light Colour</b>	<b>Number of LED's</b>	<b>Weight KG</b>	<b>Mounting</b>	<b>Order code</b>
	Grey	 RGB	19	3.38	Landscape	88379099
	Grey	 RGB	19	5	Architectural	88380699
	Black	 RGB	19	3.38	Landscape	88496499
	Black	 RGB	19	5	Architectural	88497199
	White	 RGB	19	3.38	Landscape	88499599
	White	 RGB	19	5	Architectural	79108899

## System Components

<b>Type</b>	<b>Product</b>	<b>Order Code</b>
<b>Data Enabler</b>	Data Enabler Pro	88324099
<b>Controls</b>	i-Player 3	70058599
	ColourChaserTouch	80896300
	Light System Manager	71442500
	Video System Manager	71443200
	(Other third part DMX controllers will work with this product)	
<b>Accessories</b>	14 degree spread lens	88383799
	23 degree spread lens	88384499
	41 degree spread lens	88385199
	10 degree x 41 degree spread lens	88386899
	Honeycomb louvre	88390599
	Trim ring, Grey finish.	88387599
	Glare shield with 45 degree cutoff. Grey finish.	88388299
	Glare shield, full height. Grey finish.	88389999
	Trim ring, Black finish.	79147799
	Glare shield with 45 degree cutoff. Black finish.	79148499
	Glare shield, full height. Black finish.	79149199
	Trim ring, White finish.	79150799
	Glare shield with 45 degree cutoff. White finish.	79151499
	Glare shield, full height. White finish.	79152199

## ColorBurst Compact Powercore®

### Standard features



### Type

**BCP462**

### Light colour

Red, Green, Blue (RGB)

### Power consumption

Max 20W

### Light Source

12 x LED-HB

### Lumen Package

498lm (8°) 429lm (14°) 418lm (23°) 405lm (41°) 432lm (10° x 41°)

### Optic

14°, 23°, 41° and asymmetric 10° x 41° spread lenses  
Honeycomb louvre

### Controls

Compatible with full line of Philips DMX controllers

### Housing

Grey, Black, White

### Materials and finishing

Housing: high pressure, die-cast aluminium, powder coated finish  
Glass: Tempered  
Mounting Bracket: high pressure, die-cast aluminium, powder coated finish

### Operating temp.

-40° to +50°C Operating  
-20° to +50°C start up

### Lifetime

90,000 hours at Ta 25°C (with 3-RGB channels on full)  
55,000 hours at Ta 50°C (with 3-RGB channels on full)

### Accessories

Spread lenses and trim ring (to hold each lens on the product)  
Honeycomb louvre and trim ring (to hold louvre on the product)  
Glare shield 45° and full glare shield

### Main applications

Architectural, Accent Lighting

### Classification code









### Remarks

Data enabler, control equipment and cables to be ordered separately



## Product Selection

<b>ColorBurst Compact Powercore BCP462</b>	<b>Housing Colour</b>	<b>Light Colour</b>	<b>Number of LED's</b>	<b>Weight KG</b>	<b>Mounting</b>	<b>Order code</b>
	Grey	 RGB	12	2.03	Landscape	88469899
	Grey	 RGB	12	3.5	Architectural	88470499
	Black	 RGB	12	2.03	Landscape	88482799
	Black	 RGB	12	3.5	Architectural	88483499
	White	 RGB	12	2.03	Landscape	88485899
	White	 RGB	12	3.5	Architectural	88486599

## System Components

<b>Type</b>	<b>Product</b>	<b>Order Code</b>
<b>Data Enabler</b>	Data Enabler Pro	88324099
<b>Controls</b>	i-Player 3	70058599
	ColourChaser Touch	80896300
	Light System Manager	71442500
	Video System Manager	71443200
	(Other third part DMX controllers will work with this product)	
<b>Accessories</b>	14 degree spread lens	79117099
	23 degree spread lens	79118799
	41 degree spread lens	79119499
	10 degree x 41 degree spread lens	79120099
	Honeycomb louvre	79130999
	Trim ring, Grey finish.	79121799
	Glare shield with 45 degree cutoff, Grey finish.	79122499
	Glare shield, full height, Grey finish.	79123199
	Trim ring, Black finish.	79124899
	Glare shield with 45 degree cutoff, Black finish.	79125599
	Glare shield, full height, Black finish.	79126299
	Trim ring, White finish.	79127999
	Glare shield with 45 degree cutoff, White finish.	79128699
	Glare shield, full height, White finish.	79129399

# eColor Burst Powercore®

- \_High output for Accent Lighting
- \_Compact design
- \_Flexible mounting options with Architectural and Landscape versions
- \_Burst Powercore fixtures can tilt through a full 180° and Architectural fixtures also rotate a full 360° for precise aiming
- \_User interchangeable optics
- \_Energy efficient
- \_Long operating lifetime
- \_Philips Core Technologies used:

**Powercore® technology** - Power and data combined, eliminating the need for an external power supply

**Optibin®**- Production process that ensures light output and colour consistency

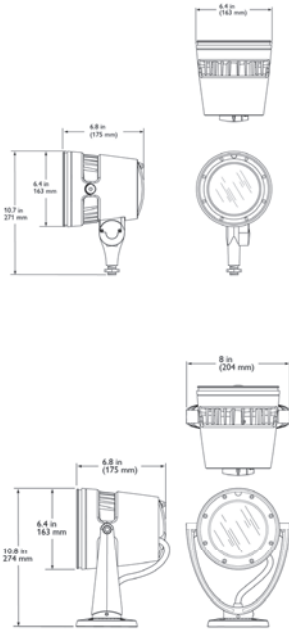






## eColorBurst Powercore®

### Standard features



### Type

**BCP463**

### Light colour

Red, Green, Blue, Amber

### Power consumption

Max 30W

### Light Source

19 x LED-HB

### Driver

100-277V AC / 50-60Hz

### Optic

14°, 23°, 41° and asymmetric 10° x 41° spread lenses  
Honeycomb louvre

### Housing

Grey, Black, White

### Materials and finishing

Housing: high pressure, die-cast aluminium, powder coated finish  
Glass: Tempered  
Mounting Bracket: high pressure, die-cast aluminium, powder coated finish

### Operating temp.

-40° to +50°C Operating  
-20° to +50°C start up

### Lifetime

90,000 hours at Ta 25°C (with 3-RGB channels on full)  
55,000 hours at Ta 50°C (with 3-RGB channels on full)

### Accessories

Spread lenses and trim ring (to hold each lens on the product)  
Honeycomb louvre and trim ring (to hold louvre on the product)  
Glare shield 45° and full glare shield

### Main applications

Architectural, Accent Lighting

### Classification code



## Product Selection

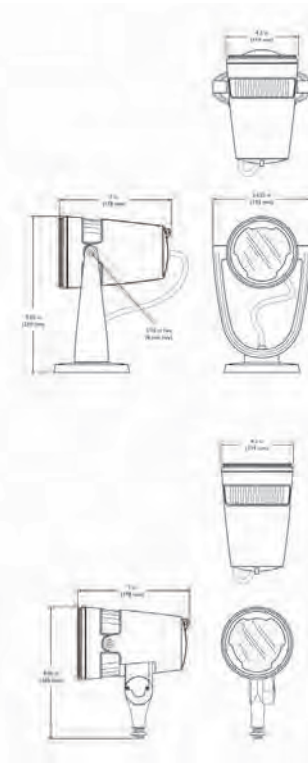
eColorBurst Powercore BCP463	Housing Colour	Light Colour	Number of LED's	Weight KG	Mounting	Order code
	Grey	● Blue	12	3.38	Landscape	79381599
	Grey	● Green	12	3.38	Landscape	79382299
	Grey	● Red	12	3.38	Landscape	79383999
	Grey	● Amber	12	3.38	Landscape	79384699
	Grey	● Blue	12	5	Architectural	79221499
	Grey	● Green	12	5	Architectural	79222199
	Grey	● Red	12	5	Architectural	79223899
	Grey	● Amber	12	5	Architectural	79224599
	Black	● Blue	12	3.38	Landscape	79365599
	Black	● Green	12	3.38	Landscape	79366299
	Black	● Red	12	3.38	Landscape	79367999
	Black	● Amber	12	3.38	Landscape	79368699
	Black	● Blue	12	5	Architectural	79369399
	Black	● Green	12	5	Architectural	79370999
	Black	● Red	12	5	Architectural	79371699
	Black	● Amber	12	5	Architectural	79372399
	White	● Blue	12	3.38	Landscape	79349599
	White	● Green	12	3.38	Landscape	79350199
	White	● Red	12	3.38	Landscape	79351899
	White	● Amber	12	3.38	Landscape	79352599
	White	● Blue	12	5	Architectural	79353299
	White	● Green	12	5	Architectural	79354999
	White	● Red	12	5	Architectural	79355699
	White	● Amber	12	5	Architectural	79356399

## System Components

Type	Product	Order Code
Accessories	14 degree spread lens	88383799
	23 degree spread lens	88384499
	41 degree spread lens	88385199
	10 degree x 41 degree spread lens	88386899
	Honeycomb louvre	88390599
	Trim ring. Grey finish.	88387599
	Glare shield with 45 degree cutoff. Grey finish.	88388299
	Glare shield, full height. Grey finish.	88389999
	Trim ring. Black finish.	79147799
	Glare shield with 45 degree cutoff. Black finish.	79148499
	Glare shield, full height. Black finish.	79149199
	Trim ring. White finish.	79150799
	Glare shield with 45 degree cutoff. White finish.	79151499
	Glare shield, full height. White finish.	79152199

## eColorBurst Compact Powercore®

### Standard features



### Type

**BCP463**

### Light colour

Red, Green, Blue, Amber

### Power consumption

Max 20W

### Light Source

12 x LED-HB

### Driver

100-277V AC / 50-60Hz

### Optic

14°, 23°, 41° and asymmetric 10° x 41° spread lenses  
Honeycomb louvre

### Housing

Grey, Black, White

### Materials and finishing

Housing: high pressure, die-cast aluminium, powder coated finish  
Glass: Tempered  
Mounting Bracket: high pressure, die-cast aluminium, powder coated finish

### Operating temp.

-40° to +50°C Operating  
-20° to +50°C start up

### Lifetime

90,000 hours at Ta 25°C (with 3-RGB channels on full)  
55,000 hours at Ta 50°C (with 3-RGB channels on full)

### Accessories

Spread lenses and trim ring (to hold each lens on the product)  
Honeycomb louvre and trim ring (to hold louvre on the product)  
Glare shield 45° and full glare shield

### Main applications

Architectural, Accent Lighting

### Classification code

IP66  



## Product Selection

eColorBurst Powercore BCP463	Housing Colour	Light Colour	Number of LED's	Weight KG	Mounting	Order code
	Grey	● Blue	12	2.03	Landscape	79301399
	Grey	● Green	12	2.03	Landscape	79302099
	Grey	● Red	12	2.03	Landscape	79303799
	Grey	● Amber	12	2.03	Landscape	79304499
	Grey	● Blue	12	3.5	Architectural	79305199
	Grey	● Green	12	3.5	Architectural	79306899
	Grey	● Red	12	3.5	Architectural	79307599
	Grey	● Amber	12	3.5	Architectural	79308299
	Black	● Blue	12	2.03	Landscape	79309999
	Black	● Green	12	2.03	Landscape	79310599
	Black	● Red	12	2.03	Landscape	79311299
	Black	● Amber	12	2.03	Landscape	79312999
	Black	● Blue	12	3.5	Architectural	79313699
	Black	● Green	12	3.5	Architectural	79314399
	Black	● Red	12	3.5	Architectural	79315099
	Black	● Amber	12	3.5	Architectural	79316799
	White	● Blue	12	2.03	Landscape	79317499
	White	● Green	12	2.03	Landscape	79318199
	White	● Red	12	2.03	Landscape	79319899
	White	● Amber	12	2.03	Landscape	79320499
	White	● Blue	12	3.5	Architectural	79321199
	White	● Green	12	3.5	Architectural	79322899
	White	● Red	12	3.5	Architectural	79324299
	White	● Amber	12	3.5	Architectural	79324299

## System Components

Type	Product	Order Code
Accessories	14 degree spread lens	79117099
	23 degree spread lens	79118799
	41 degree spread lens	79119499
	10 degree x 41 degree spread lens	79120099
	Honeycomb louvre	79130999
	Trim ring. Grey finish.	79121799
	Glare shield with 45 degree cutoff. Grey finish.	79122499
	Glare shield, full height. Grey finish.	79123199
	Trim ring. Black finish.	79124899
	Glare shield with 45 degree cutoff. Black finish.	79125599
	Glare shield, full height. Black finish.	79126299
	Trim ring. White finish.	79127999
	Glare shield with 45 degree cutoff. White finish.	79128699
	Glare shield, full height. White finish.	79129399

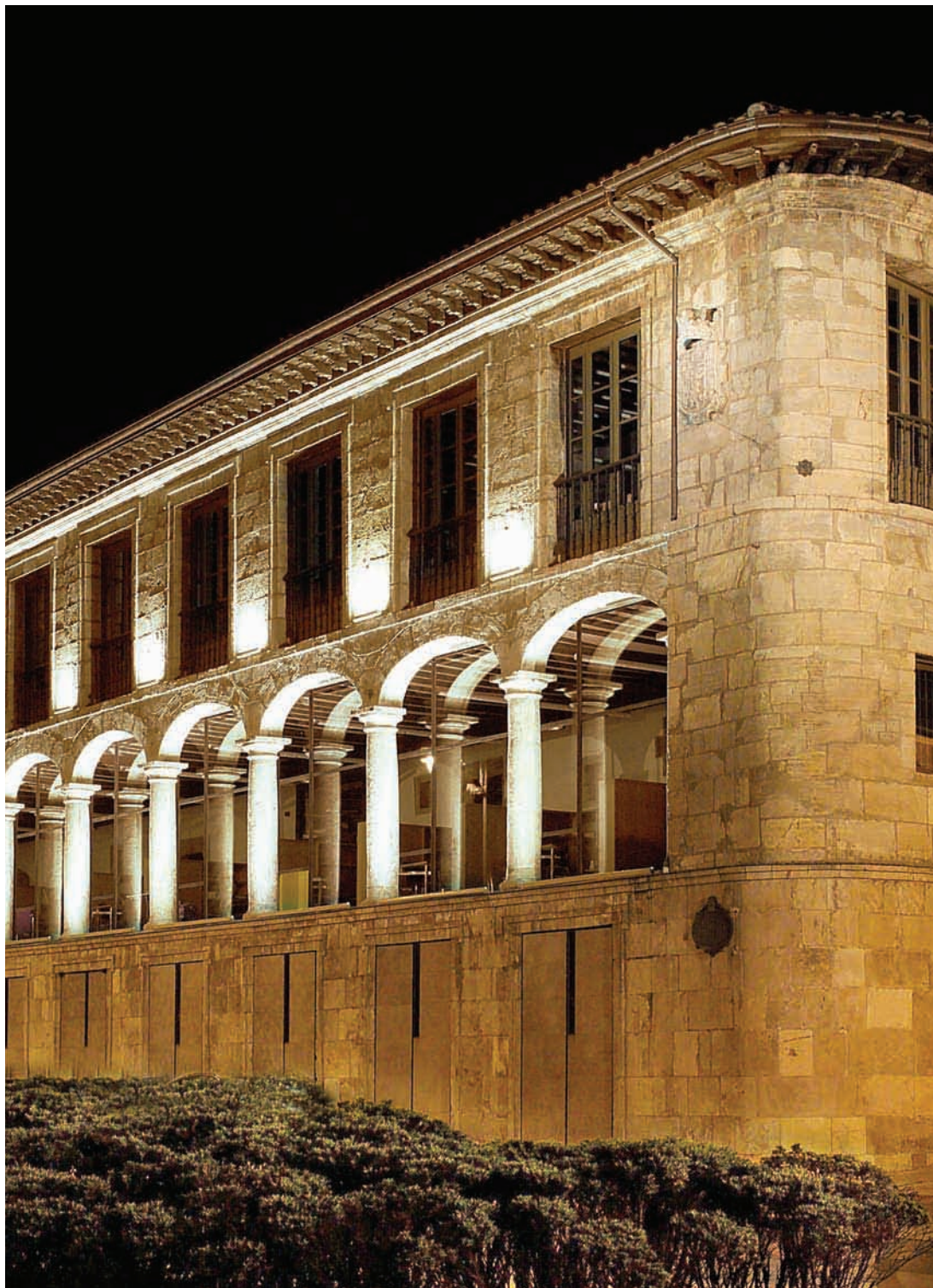
# eW Burst Powercore®

- \_High output for Accent Lighting
- \_Flexible mounting options with Architectural and Landscape versions
- \_Burst Powercore fixtures can tilt through a full 180° and Architectural fixtures also rotate a full 360° for precise aiming
- \_User interchangeable optics
- \_Energy efficient
- \_Long operating lifetime
- \_Philips Core Technologies used:

**Powercore® technology** - Power and data combined, eliminating the need for an external power supply

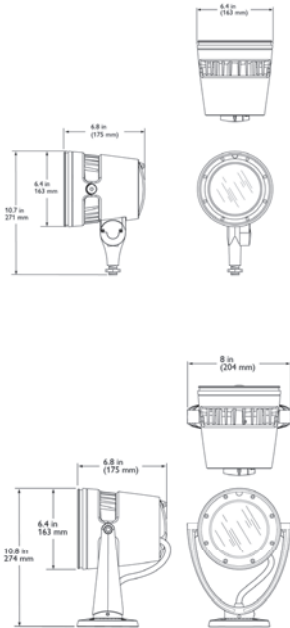
**Optibin®**- Production process that ensures light output and colour consistency







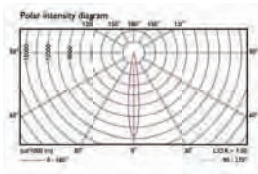
**Standard features**



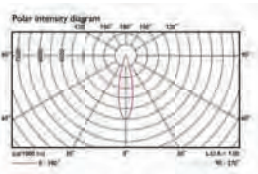
<b>Type</b>	<b>BCP463</b>
<b>Light colour</b>	Warm White 2700 K Neutral White 4000 K
<b>Power consumption</b>	Max 30W
<b>Light Source</b>	19 x LED-HB
<b>Lumen Package</b>	Warm White 2700 K: 1168lm (8°) 1022lm (14°) 1004lm (23°) 991lm (41°) 1046lm (10° x 41°) Neutral White 4000 K: 1478lm (8°) 1280lm (14°) 1259lm (23°) 1240lm (41°) 1317lm (10° x 41°)
<b>Driver</b>	100-277V AC / 50-60Hz
<b>Optic</b>	14°, 23°, 41° and asymmetric 10° x 41° spread lenses Honeycomb louvre
<b>Housing</b>	Grey, Black, White
<b>Materials and finishing</b>	Housing: high pressure, die-cast aluminium, powder coated finish Glass: Tempered Mounting Bracket: high pressure, die-cast aluminium, powder coated finish
<b>Operating temp.</b>	-40° to +50°C Operating -20° to +50°C start up
<b>Lifetime</b>	90,000 hours at Ta 25°C (with 3-RGB channels on full) 55,000 hours at Ta 50°C (with 3-RGB channels on full)
<b>Accessories</b>	Spread lenses and trim ring (to hold each lens on the product) Honeycomb louvre and trim ring (to hold louvre on the product) Glare shield 45° and full glare shield
<b>Main applications</b>	Architectural, Accent Lighting
<b>Classification code</b>	IP66 UL CE

**Polar Intensity Diagram** (For further Photometric data please contact our technical department)

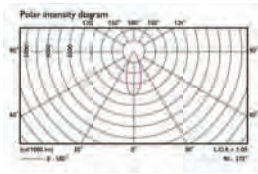
**BCP463**  
19-LED-HB/WW 2700K 14D  
Lampflux: 1 x 1020 lm



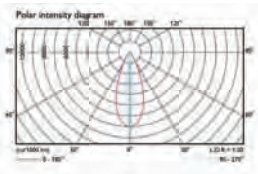
**BCP463**  
19-LED-HB/WW 2700K 23D  
Lampflux: 1 x 1000 lm



**BCP463**  
9-LED-HB/WW 2700K\_d 41D  
Lampflux: 1 x 990 lm



**BCP463**  
19-LED-HB/WW 2700K 41x8D  
Lampflux: 1 x 1050 lm



## Product Selection

### eW Burst Powercore BCP463



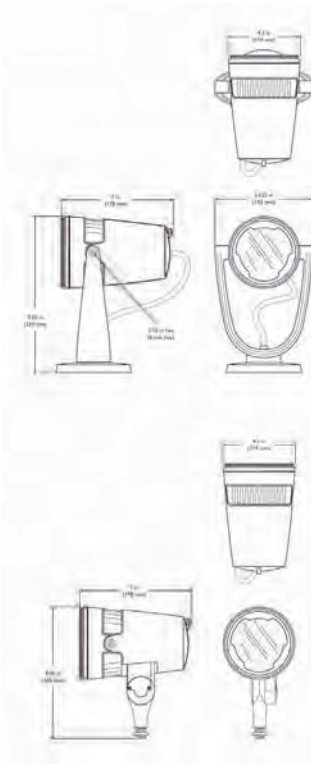
Housing Colour	Light Colour	Number of LED's	Weight KG	Mounting	Order code
Grey	● Warm White (2700 K)	19	3,38	Landscape	88367799
Grey	● Warm White (2700 K)	19	5	Architectural	88371499
Grey	○ Neutral White (4000 K)	19	3,38	Landscape	88368499
Grey	○ Neutral White (4000 K)	19	5	Architectural	88372199
Black	● Warm White (2700 K)	19	3,38	Landscape	79161399
Black	● Warm White (2700 K)	19	5	Architectural	79163799
Black	○ Neutral White (4000 K)	19	3,38	Landscape	79162099
Black	○ Neutral White (4000 K)	19	5	Architectural	79164499
White	● Warm White (2700 K)	19	3,38	Landscape	79167599
White	● Warm White (2700 K)	19	5	Architectural	79169999
White	○ Neutral White (4000 K)	19	3,38	Landscape	79168299
White	○ Neutral White (4000 K)	19	5	Architectural	79170599

## System Components

Type	Product	Order Code
Accessories	14 degree spread lens	88383799
	23 degree spread lens	88384499
	41 degree spread lens	88385199
	10 degree x 41 degree spread lens	88386899
	Honeycomb louvre	88390599
	Trim ring, Grey finish.	88387599
	Glare shield with 45 degree cutoff. Grey finish.	88388299
	Glare shield, full height. Grey finish.	88389999
	Trim ring, Black finish.	79147799
	Glare shield with 45 degree cutoff. Black finish.	79148499
	Glare shield, full height. Black finish.	79149199
	Trim ring, White finish.	79150799
	Glare shield with 45 degree cutoff. White finish.	79151499
	Glare shield, full height. White finish.	79152199

## eW Burst Compact Powercore®

### Standard features



#### Type

**BCP463**

#### Light colour

Warm White 2700 K  
Neutral White 4000 K

#### Power consumption

Max 20W

#### Light Source

12 x LED-HB

#### Lumen Package

Warm White 2700 K: 624lm (8°) 543lm (14°) 540lm (23°)  
520lm (41°) 557lm (10° x 41°)  
Neutral White 4000 K: 812lm (8°) 685lm (14°) 674lm (23°)  
646lm (41°) 695lm (10° x 41°)

#### Driver

100-277V AC / 50-60Hz

#### Optic

14°, 23°, 41° and asymmetric 10° x 41° spread lenses  
Honeycomb louvre

#### Housing

Grey, Black, White

#### Materials and finishing

Housing: high pressure, die-cast aluminium, powder coated finish  
Glass: Tempered  
Mounting Bracket: high pressure, die-cast aluminium, powder coated finish

#### Operating temp.

-40° to +50°C Operating  
-20° to +50°C start up

#### Lifetime

90,000 hours at Ta 25°C (with 3-RGB channels on full)  
55,000 hours to Ta 50°C (with 3-RGB channels on full)

#### Accessories

Spread lenses and trim ring (to hold each lens on the product)  
Honeycomb louvre and trim ring (to hold louvre on the product)  
Glare shield 45° and full glare shield

#### Main applications

Architectural, Accent Lighting

#### Classification code





## Product Selection

### eW Burst Compact Powercore BCP463



Housing Colour	Light Colour	Number of LED's	Weight KG	Mounting	Order code
Grey	● Warm White (2700 K)	12	2.03	Landscape	88473599
Grey	● Warm White (2700 K)	12	3.5	Architectural	88475999
Grey	○ Neutral White (4000 K)	12	2.03	Landscape	88474299
Grey	○ Neutral White (4000 K)	12	3.5	Architectural	88476699
Black	● Warm White (2700 K)	12	2.03	Landscape	79235199
Black	● Warm White (2700 K)	12	3.5	Architectural	79238299
Black	○ Neutral White (4000 K)	12	2.03	Landscape	79237599
Black	○ Neutral White (4000 K)	12	3.5	Architectural	79239999
White	● Warm White (2700 K)	12	2.03	Landscape	79246799
White	● Warm White (2700 K)	12	3.5	Architectural	79248199
White	○ Neutral White (4000 K)	12	2.03	Landscape	79247499
White	○ Neutral White (4000 K)	12	3.5	Architectural	79249899

## System Components

Type	Product	Order Code
Accessories	14 degree spread lens	79117099
	23 degree spread lens	79118799
	41 degree spread lens	79119499
	10 degree x 41 degree spread lens	79120099
	Honeycomb louvre	79130999
	Trim ring, Grey finish.	79121799
	Glare shield with 45 degree cutoff. Grey finish.	79122499
	Glare shield, full height. Grey finish.	79123199
	Trim ring, Black finish.	79124899
	Glare shield with 45 degree cutoff. Black finish.	79125599
	Glare shield, full height. Black finish.	79126299
	Trim ring, White finish.	79127999
	Glare shield with 45 degree cutoff. White finish.	79128699
	Glare shield, full height. White finish.	79129399

# ColorBurst 6

- \_Architectural outdoor and indoor spot lighting and wall-washing
- \_Surface mounted fitting
- \_350° locking base swivel and 350° rotation offering versatile range of light positions
- \_Red, green, blue LEDs offering many different light colour changing effects
- \_Philips Core Technologies used:
  - Chromacore®** – An unprecedented means for adding intelligence to LED illumination devices
  - Optibin®** – Production process that ensures light output and colour consistency



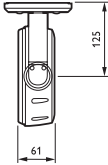
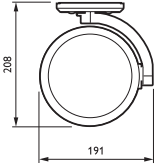
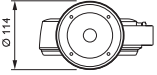


Project  
\_Folsom Library  
Rensselaer Polytechnic Institute  
Troy, New York



## ColorBurst 6

### Standard features



### Type

**BCP466**

### Light source

18 x LED-HB

### Light colour

Red, green, blue (RGB)

### Power supply

24V DC

### Power consumption

Max 25W

### Optic

Narrow beam angle 12°  
Medium beam angle 22°

### Controls

Compatible with full line of Philips DMX controllers

### Materials and finishing

Housing: die-cast aluminium  
Cover: tempered glass

### Housing

White (WH) or black (BK)

### Installation

Surface mounting  
Starting temperature:  $-20^{\circ}\text{C} < T_a < 50^{\circ}\text{C}$   
Operating temperature:  $-40^{\circ}\text{C} < T_a < 50^{\circ}\text{C}$   
Locking base swivel: after-installation rotation up to 350° rotation  
Locking fixture rotation: 350°

### Lifetime

50,000 hours at 50°C (complies with IES LM-79-08)

### Accessories

Mounting brackets

### Remarks

Power/data supply enabler; controls equipment and cables to be ordered separately

### Main applications

Architectural outdoor and indoor

### Classification code



## Product Selection

### ColorBurst 6 – BCP466



Light Colour	Housing	Beam (°)	Weight (kg)	Power (w)	Order Code
RGB	○ White	12	1.50	25 (max)	70225199
		22	1.50	25 (max)	70223799
	● Black	12	1.50	25 (max)	70226899
		22	1.50	25 (max)	70224499

## System Components

Mounting Bracket	Colour	Weight (kg)	Order Code
	○ White	1.92	71100499
	● Black	1.92	71101199

Power Supplies	Product	Description	Order Code
	PDS-60 24V	Up to 2 x luminaires, Pre-Programmed	71085499
	PDS-60 24V DMX / Ether	Up to 2 x luminaires, Pre-Programmed	71086199
	PDS-150e 24V	Up to 6 x luminaires, Pre-Programmed	71081699

### Controls

(See page 524 for full list of controls)

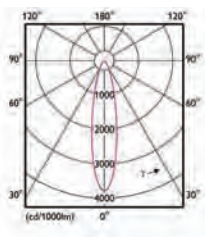
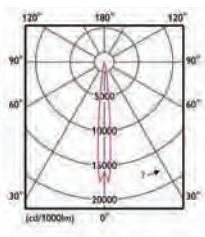
Product	Order Code
i-Player3	70058599
ColourChaser Touch	80896300
Light System Manager	71442500

(Other third party DMX controllers will work with this product)

## Polar Intensity Diagram (For further Photometric data please contact our technical department)

ColorBurst 6  
 RGB Clear Lens 12°  
 Medium Beam BCP466  
 Lamp: 1 x 18 LEDs  
 Luminaire Lumens: 1 x 342

ColorBurst 6  
 RGB Frosted Lens 22°  
 Wide Beam BCP466  
 Lamp: 1 x 18 LEDs  
 Luminaire Lumens: 1 x 300



# LEDflood K2

\_Outdoor floodlight suitable for use on façades, statues, columns or trees

\_Available in single, bi & tri colours, delivering the full range of colours

\_50,000hrs to 70% lumen maintenance

\_Available in two versions:

## **LEDflood Surface Mounted**

\_Available in various beams to create different light effects from spot to line

\_Suitable for wall and surface mounting

## **LEDflood Recessed**

\_Integrates seamlessly into architectures by a choice of different frames

\_Available in various beam angles with optimal optical aiming adjustment



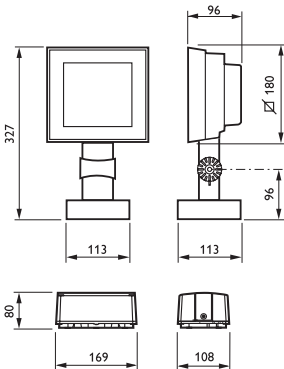
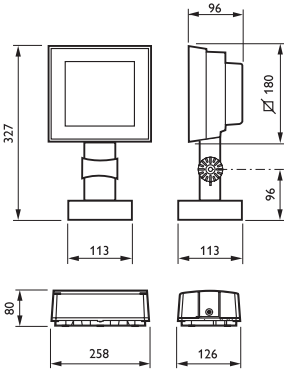




Project  
\_Reichstag Building  
Berlin, Germany

## LED Flood K2 Surface Mounted

### Standard features



### Type

**BCP731 (Surface Mounted Single-colour)**  
**BCP732 (Surface Mounted Bi-colour)**  
**BCP733 (Surface Mounted Tri-colour)**

### Light source

9 x LUXEON® K2 LEDs

### Light colour

Single-colour: red (RD), amber (AM), green (GN), blue (BL), white (WH)  
 Bi-colour: white/blue (WH/BL), white/amber (WH/AM), blue/green (BL/GN)  
 Tri-colour: red, green, blue (RGB), amber; white, blue (AWB)

### Power supply

230-240V AC / 50-60Hz (with remote gearbox)

### Optic

With Zoomspot: 6 up to 30° (6-30), all versions  
 Without Zoomspot: 6° (6), Single and Bi-colour versions  
 Linear vertical fixed prisms 8 to 60° (P-LIN-V), all versions  
 Linear horizontal fixed prisms 8 to 60° (P-LIN-H), all versions

### Drivers

Driver/electronic interface DMX/ RDM protocol (with remote driver)

### Controls

ColourChaser Touch: DMX/RDM  
 iPlayer3: DMX

### Materials and finishing

Housing: die-cast aluminium (anodic silver grey RAL 9006)  
 Cover: tempered glass with silver screen print around optic (anodic grey RAL 9006)  
 Optics: collimating lenses in methacrylate  
 Frame: brushed stainless steel  
 Remote gearbox: die-cast aluminium (anodic silver grey paint RAL 9006)

### Colour

Anodic silver grey (RAL 9006)  
 Other RAL colours (for housing) available on request

### Installation

Wall and surface mounting  
 Flexible positioning and aiming:  
 Vertical axis adjustment: -67.5 to +67.5°  
 Horizontal axis adjustment: -170 to +170°  
 Cable included: type HO7RNF 3 x 0.5 mm<sup>2</sup>, length 3m  
 Zoomspot beam externally adjustable  
 Operating temperature: -20°C < Ta < 35°C

### Lifetime

50,000 hours (70% lumen maintenance)  
 Thermal management system for long lifetime

### Main applications

Architectural outdoor

### Classification code

linear prisms

### Controls

(See page 524 for full list of controls)

### Product

i-Player3  
 ColourChaserTouch  
 Light System Manager  
 iW Scene Controller  
 (Other third party DMX controllers will work with this product)

### Order Code

70058599  
 80896300  
 71442500  
 71178399

## Product Selection

### LED Flood K2 Surface Mounted Single-colour – BCP731



Light Colour	Beam	Beam (°)	Weight (kg)	Power (w)	Controls	Order Code	
● Amber	Narrow	6	4.9	14	–	50540500	
	Adjustable	6-30	5.3	14	–	50541200	
	● Blue	Narrow	6	4.9	51	–	50530600
		Narrow	6	4.9	51	DMX	50531300
		Adjustable	6-30	5.3	51	–	50532000
	● Green	Adjustable	6-30	5.3	51	DMX	50533700
Narrow		6	4.9	51	–	50534400	
Narrow		6	4.9	51	DMX	50535100	
● Red	Adjustable	6-30	5.3	51	–	50536800	
	Adjustable	6-30	5.3	51	DMX	50537500	
	Adjustable	6-30	5.3	14	–	50538200	
○ White	Adjustable	6-30	5.3	14	–	50539900	
	Narrow	6	4.9	51	DMX	50527600	
	Adjustable	6-30	5.3	51	–	50528300	
● Blue	Adjustable	6-30	5.3	51	DMX	50529000	
	Linear	–	4.8	51	–	50634100	
	Linear	–	4.8	51	–	50633400	

### LED Flood K2 Surface Mounted Bi-colour – BCP732

●● Blue Green	Narrow	6	4.9	51	DMX	50546700
	Adjustable	6-30	5.3	51	DMX	50547400
○● White Amber	Narrow	6	4.9	31	DMX	50542900
	Adjustable	6-30	5.3	31	DMX	50543600
○● White Blue	Narrow	6	4.9	31	DMX	50544300
	Adjustable	6-30	5.3	31	DMX	50545000

### LED Flood K2 Surface Mounted Tri-colour – BCP733

●●● AWB	Adjustable	6-30	5.3	39	DMX	50549800
●●● RGB	Adjustable	6-30	5.3	39	DMX	50548100

## Polar Intensity Diagram (For further Photometric data please contact our technical department)

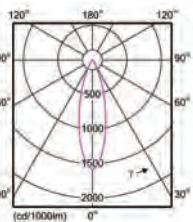
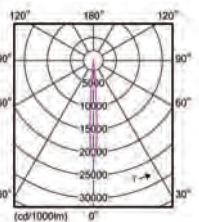
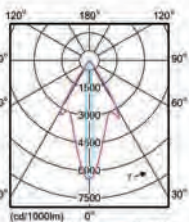
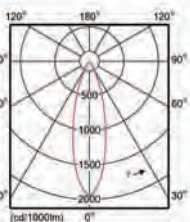
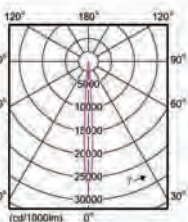
LED Flood Zoomspot  
2 x 3 to 2 x 15° Narrow beam  
Cool white BCP731  
Lamp: 9 x LED-K2-U00/CW  
Luminaire Lumens: 531

LED Flood Zoomspot  
2 x 3 to 2 x 15° Wide beam  
Cool white BCP731  
Lamp: 9 x LED-K2-U00/CW  
Luminaire Lumens: 531

LED Flood without  
Zoomspot 2 x 3 to 2 x 27°  
Cool white BCP731  
Lamp: 9 x LED-K2-U00/CW  
Luminaire Lumens: 657

LED Flood Zoomspot  
2 x 3 to 2 x 15° Narrow beam  
Blue/Green BCP732  
Lamp: 9 x LED-LXHL-K2-LB/BL/GN-5:4  
Luminaire Lumens: 255

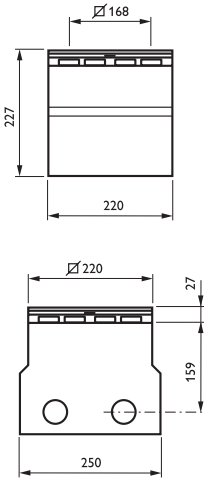
LED Flood Zoomspot  
2 x 3 to 2 x 15° Wide beam  
Blue/Green BCP732  
Lamp: 9 x LED-LXHL-K2-LB/BL/GN-5:4  
Luminaire Lumens: 244





## LED Flood K2 Recessed

### Standard features



### Type

**BBP731 (Recessed Single-colour)**  
**BBP742 (Recessed Bi-colour)**  
**BBP743 (Recessed Tri-colour)**

### Light source

9 x LUXEON® K2 LEDs

### Light colour

Single-colour: red (RD), amber (AM), green (GN), blue (BL), white (WH)  
 Bi-colour: white/blue (WH/BL), white/amber (WH/AM), blue/green (BL/GN)  
 Tri-colour: red, green, blue (RGB), amber, white, blue (AWB)

### Power supply

230-240V AC / 50-60Hz

### Optic

Narrow beam 10° (NB), tilt adjustable +/-22°  
 Medium beam 26° (MB), tilt adjustable +/-17°  
 Linear beam angle 8-34° (LIN8-34), tilt adjustable +/-8°  
 Asymmetrical elliptical beam -19°, +14° / 104° (A), no tilt

### Drivers

DMX/RDM protocol

### Controls

ColourChaser Touch: DMX/RDM  
 iPlayer3: DMX

### Materials and finishing

Housing: die-cast aluminium  
 Recessing box and cover: sheet steel  
 Cover: die-cast aluminium  
 Frame: stainless steel (BBP741/742/743) or aluminium frame (BBP731/732/733) (0mm flush)  
 Mask: stainless steel (BBP751/752/753) (3mm not flush)

### Installation

In recessing box, delivered with the luminaire  
 Operating temperature: -20°C < Ta < 35°C

### Lifetime

50,000 hrs (70% lumen maintenance)  
 Thermal management system for long lifetime

### Remarks

Cool-touch glass temperature 50°C

### Main applications

Architectural outdoor

### Classification code



## Product Selection

### LED Flood K2 Recessed Single-colour – BBP731



Light Colour	Beam	Beam (°)	Weight (kg)	Power (w)	Controls	Order Code
● Amber	Asymmetric		9.305	14	–	60330900
	Linear	8-34	9.373	14	–	60331600
● Blue	Asymmetric		9.305	51	–	60328600
	Linear	8-34	9.373	51	–	60329300
○ White	Asymmetric		9.305	51	–	60324800
	Medium	26	9.373	51	–	60325500

### LED Flood K2 Recessed Bi-colour – BBP742

○ ● White Amber	Asymmetric		9.879	31	DMX	60341500
	Medium	26	9.879	31	DMX	60340800
○ ● White Blue	Linear	8-34	9.879	51	DMX	60332300
	Narrow		9.879	51	DMX	60338500

### LED Flood K2 Recessed Tri-colour – BBP743

● ● ● AWB	Linear	8-34	9.879	39	DMX	60352100
	Medium	26	9.879	39	DMX	60350700
● ● ● RGB	Asymmetric		9.811	39	DMX	60344600
	Linear	8-34	9.879	39	DMX	60345300
	Medium	26	9.879	39	DMX	60346000

### Controls

(See page 524 for full list of controls)

### Product

i-Player3  
ColourChaser Touch  
Light System Manager  
iW Scene Controller

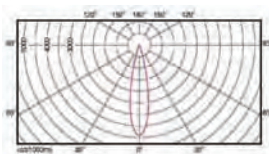
(Other third party DMX controllers will work with this product)

### Order Code

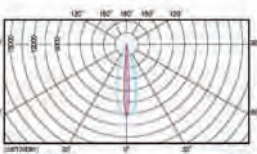
70058599  
80896300  
71442500  
71178399

## Polar Intensity Diagram

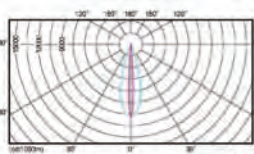
LED Flood Recessed  
Cool white 2 x 13°  
Medium beam BBB731  
Luminaire Lumens: 558



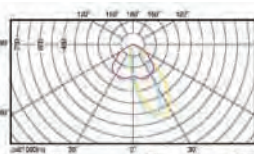
LED Flood Recessed  
Green Linear Rectangular beam  
2 x 4-2-17° BBB731  
Luminaire Lumens: 612



LED Flood Recessed  
Cool white 2 x 5°  
Narrow beam BBB731  
Luminaire Lumens: 513



LED Flood Recessed  
Red Asymmetrical beam  
BBB731  
Luminaire Lumens: 190

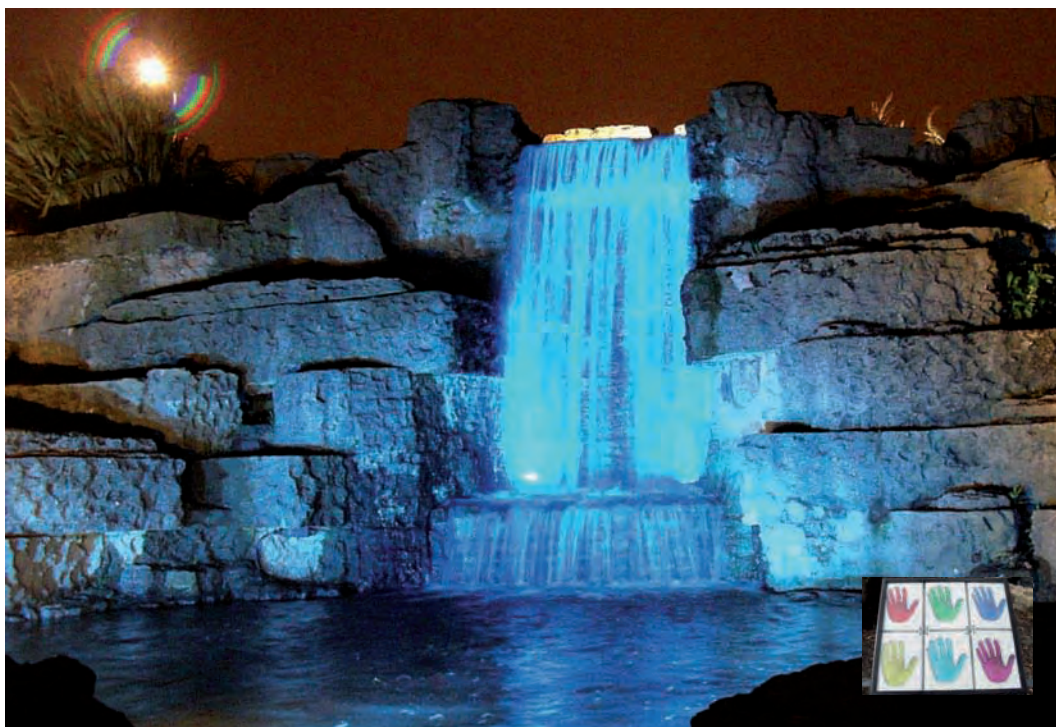
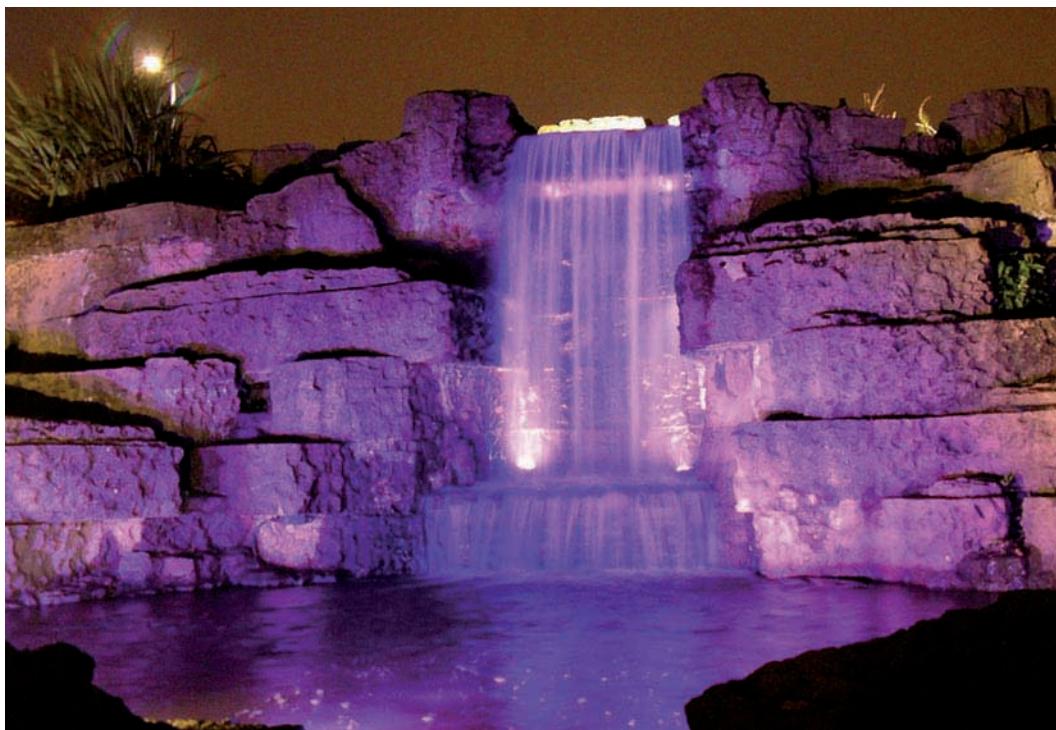


# C-Splash 2

- \_Underwater applications
- \_Generates vibrant colour changing effects with outstanding control and flexibility
- \_Suitable for fresh or saltwater
- \_Suitable for exposure to bromine or chlorine
- \_Fully submersible to a depth of 3m
- \_Soft focus 22° beam or a 10° projection beam
- \_Full 360° rotation, both horizontal and vertical
- \_Philips Core Technologies used:
  - Chromacore®** – An unprecedented means for adding intelligence to LED illumination devices
  - Optibin®** – Production process that ensures light output and colour consistency



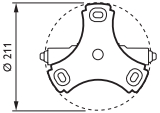
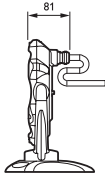
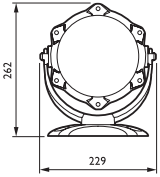




This is an interactive fountain and will change according to the hand print touched

## C-Splash 2

### Standard features



### Light source

18 x LED-HB

### Light colour

Tri-colour: red, green, blue (RGB)

### Power supply

24V DC

### Power consumption

Max 25W at full intensity

### Optic

Narrow beam: 10°  
Medium beam: 22°

### Options

Lighting controls: Philips full line of DMX controllers

### Materials and finishing

Housing: cast brass (BRS)  
Cover: tempered glass

### Housing

Brass finished

### Installation

Surface mounted with separately available PDS-150e or PDS-60-24V drivers  
Locking base swivel: after-installation rotation up to 360° rotation  
Locking fixture rotation: 360°  
Operating temperature:  $-40^{\circ}\text{C} < T_a < 50^{\circ}\text{C}$

### Lifetime

50,000 hours (50% lumen maintenance)

### Accessories

Range of drivers

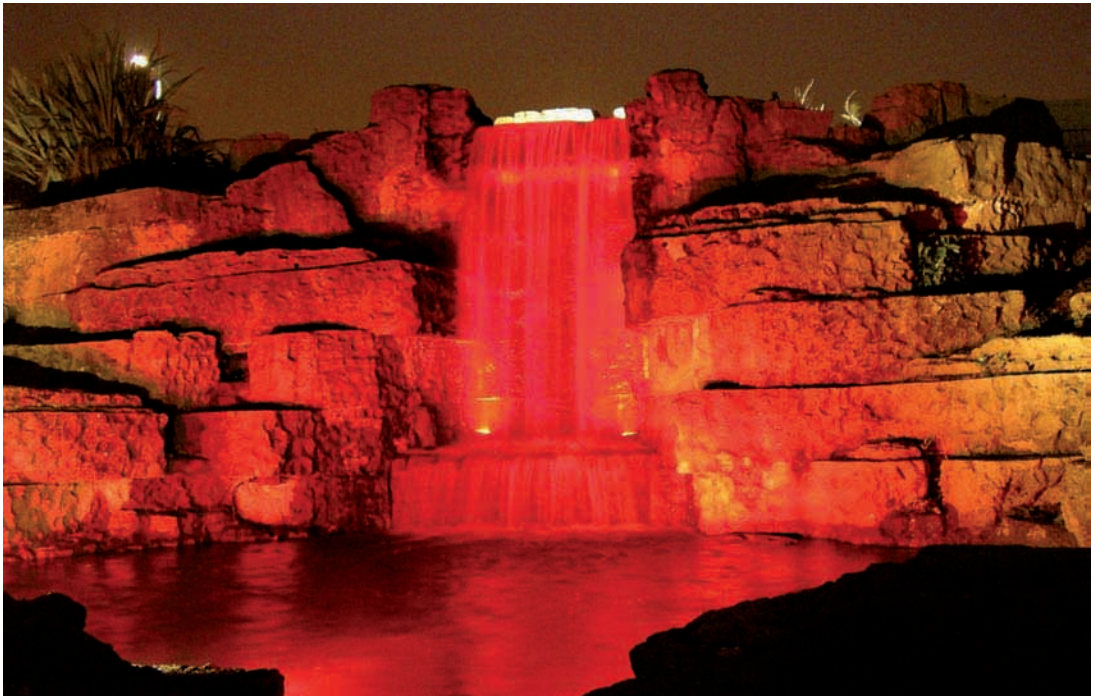
### Remarks

External power/data supply and controls required  
Not suitable for human-occupied underwater locations  
Chromacore®, Optibeam®

### Main applications

Underwater applications indoor and outdoor

### Classification code



Project:  
South Marine Park,  
South Shields\_

Parties involved:  
Philips Lighting\_  
Lite Ltd\_  
Stainton LDS\_

## Product Selection

### C-Splash 2 – BCP468



#### Colour



#### Beam (°)

10

22

#### Weight (kg)

10

10

#### Power (w)

25 (max)

25 (max)

#### Order Code

70185800

70184100

## System Components

### Power Supply

#### Product

PDS-60 24V

PDS-150e 24V

#### Description

Up to 2 fittings per supply

Up to 6 fittings per supply

#### Order Code

71085499

71081699

### Controls

(See page 524 for full list of controls)

#### Product

i-Player3

ColourChaser Touch

Light System Manager

(Other third party DMX controllers will work with this product)

#### Order Code

70058599

80896300

71442500

## Polar Intensity Diagram (For further Photometric data please contact our technical department)

### C-Splash 2 22°

#### RGB BCP468

Lamp: 1 x 18 LEDs

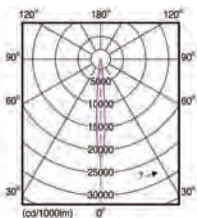
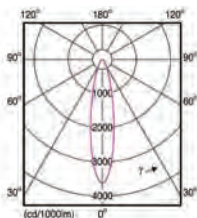
Luminaire Lumens: 1 x 305

### C-Splash 2 10°

#### RGB BCP468

Lamp: 1 x 18 LEDs

Luminaire Lumens: 1 x 301



For further information call 01483 293 258



# Underwater LED

- \_Illumination of architecture as well as fountains
- \_Family of products: surface spot and recessed
- \_Fully submersible to a depth of 10m
- \_Choice of beams
- \_Single colour or RGB versions
- \_Sea water and chlorine applications

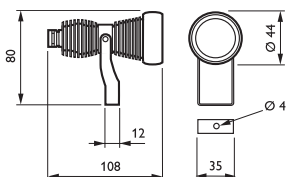




Project  
\_Helmond Castle,  
The Netherlands

## Underwater LED Surface Mounted

### Standard features



### Type

### BCB451 (Surface Mounted)

### Light source

3 x LUXEON® K2

### Light colour

Single-colour: cool white (CW), blue (BL)

Tri-colour: red, green, blue (RGB)

### Power supply

Current driven, 350mA, 700mA

### Power consumption

Max 8W

### Optic

Beam angles 10, 25 and 40°

### Options

Lighting controls (for RGB version): for RGB version:  
Phillips full line of DMX controllers, with slave interface

### Materials and finishing

Housing: machined brass and anodised aluminium  
Bracket: stainless steel, tempered glass

### Housing

Polished Chrome

### Installation

Surface mounted with separate available ECB450/451 range of drivers (and ECB451 DMX slave for Tri-colour)

No preference in orientation

Operating temperature:  $-20^{\circ}\text{C} < T_a < 35^{\circ}\text{C}$

### Lifetime

50,000 hours (70% lumen maintenance)

### Accessories

Range of drivers and DMX slave

### Remarks

Please note external components to be ordered separately

### Main applications

Underwater; outdoor and indoor

### Classification code

III IP68 IK05 850°C CE CB

## Product Selection

### Underwater LED 3 x LED Surface Mounted Single-colour – BCB451

### Light Colour

● Cool white

### Beam (°)

10  
25  
40

### Weight (kg)

0.54  
0.54  
0.54

### Power (w)

8  
8  
8

### Order Code

80787499  
80790499  
80793599

### Underwater LED Tri Colour – BCB451



● Blue

10  
25  
40

0.54  
0.54  
0.54

8  
8  
8

80788199  
80791199  
80794299

● RGB

10  
25  
40

0.60  
0.60  
0.60

8  
8  
8

80789899  
80792899  
80795999



## System Components

<b>Single-colour Components</b>	<b>Product</b>	<b>Power</b>	<b>Order Code</b>
<i>(To be ordered separately)</i>	Driver	10W	80837699
	Driver	36W	80838399

*(The total power consumption of the LEDs determines how many and which driver you need. If unsure about the driver choice please contact your local Philips representative)*






<b>Tri-colour System Components</b>	<b>Product</b>	<b>Power</b>	<b>Order Code</b>
	DMX Slave	60W	80842099

*(Multiple slaves can be connected to the drivers, as long as the total power consumption does not exceed driver specifications)*

Power Supply Unit	10W	80837699
Power Supply Unit	36W	80838399

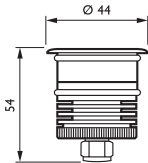
<b>Controls</b>	<b>Product</b>	<b>Order Code</b>
<i>(See page 524 for full list of controls)</i>	i-Player3	70058599
	ColourChaser Touch	80896300

## Underwater LED Recessed

<b>Standard features</b>	<b>Type</b>	<b>BBB45 I (Recessed)</b>
	<b>Light source</b>	1 x or 3 x LUXEON® K2
	<b>Light colour</b>	Single-colour: warm white (WW), cool white (CW), blue (BL) Tri-colour: red, green, blue (RGB)
	<b>Power supply</b>	Current driven, 350mA, 700mA
	<b>Power consumption</b>	1 x LED version: max 3W 3 x LED version: max 8W
	<b>Optic</b>	Beam angles 10, 25 and 40°
	<b>Options</b>	Lighting controls (for RGB version): for RGB version: Philips full line of DMX controllers, with slave interface
	<b>Materials and finishing</b>	Housing: machined brass and anodised aluminium, tempered glass Recessed box: plastic
	<b>Colour</b>	Glossy silver
	<b>Installation</b>	In recessing box, delivered with the luminaire, with separate available ECB450/45 I range of drivers (and ECB45 I DMX slave for Tri-colour version) No preference in orientation Operating temperature: $-20^{\circ}\text{C} < T_a < 35^{\circ}\text{C}$
	<b>Lifetime</b>	50,000 hours (70% lumen maintenance)
	<b>Accessories</b>	to be order separately, recessed moutnign box, range of drivers and DMX slave
	<b>Remarks</b>	External driver required
	<b>Main applications</b>	Underwater, outdoor and indoor
	<b>Classification code</b>	    

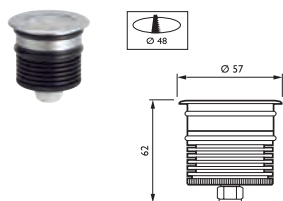
## Product Selection

### Underwater LED Recessed Single-colour I LED – BBB45 I



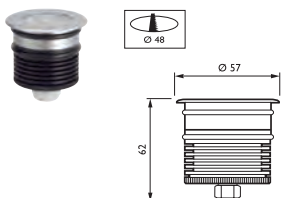
Light Colour	Beam (°)	Weight (kg)	Order Code
● Blue	10	0.27	80773799
	25	0.27	80775199
	40	0.27	80777599
● Cool white	10	0.27	80772099
	25	0.27	80774499
	40	0.27	80776899
● Warm white	10	0.27	81581799
	25	0.27	81582499
	40	0.27	81583199

**Underwater LED Recessed Single-colour 3 LED – BBB45 I**



Light Colour	Beam (°)	Weight (kg)	Order Code
● Blue	10	0.35	80779999
	25	0.35	80782999
	40	0.35	80785099
● Cool white	10	0.35	80778299
	25	0.35	80781299
	40	0.35	80784399
● Warm white	10	0.34	81578799
	25	0.34	81579499
	40	0.34	81580099

**Underwater LED Recessed Tri Colour 3 LED – BBB45 I**



Light Colour	Beam (°)	Weight (kg)	Order Code
● RGB	10	0.41	80780599
	25	0.41	80783699
	40	0.41	80786799

**System Components**

Single-colour Components	Product	Power	Order Code
	Driver	10W	80837699
	Driver	36W	80838399

*(The total power consumption of the LEDs determines how many and which driver you need. If unsure about the driver choice please contact your local Philips representative)*

Tri-colour System Components	Product	Power	Order Code
	DMX Slave	60W	80842099

*(Multiple slaves can be connected to the drivers, as long as the total power consumption does not exceed driver specifications)*

Power Supply Unit	60W	80148399
Power Supply Unit	100W	80150699
Power Supply Unit	150W	80179799

Controls	Product	Order Code
<i>(See page 524 for full list of controls)</i>	i-Player3	70058599
	ColourChaser Touch	80896300





# Wall washing / Grazing



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BeamerLED



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iColorGraze  
Powercore®



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eColorGraze  
Powercore®



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iW Graze  
Powercore®



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eW Graze  
Powercore®



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LEDline²

# BeamerLED

- \_Accent lighting of façades, buildings, structures, parks, gardens
- \_Optimum flexibility Projector with a projection reach of up to 30m with Spot version
- \_4 beam options: spot, zoomspot, linear & grazing
- \_Ultra low wattage (max 5W)
- \_Ideal for highlighting architectural features, accent and contrast
- \_Design for outdoor and Indoor use
- \_Supplied with integral driver
- \_Thermal management system for long lifetime
- \_Available with Solgel filters
- \_Beamer LED offers maximum aiming flexibility - Zoomspot adjustment, beam rotation, tilt and pan - ensuring complete freedom of installation

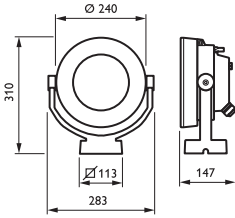






## BeamerLED

### Standard features



Rear view



Zoomspot adjustment device

### Type

### BCP725

### Light source

1 x LUXEON®

### Light colour

Single-colour version: white (WH), red (RD), green (GN), blue (BL), amber (AM), cyan (CY)  
White with Solgel filter: light blue (LBL); light transmission 55%  
White with Solgel filter: yellow (YE), light transmission 67%  
White with dichroic filter: warm white 3400K; light transmission 60%

### Power supply

110-240V AC / 50-60Hz (integrated gear; PSU)

### Power consumption

Max 5W

### Optic

Spot 2° (RND2)  
Zoomspot 4-12° (RND2-6)  
Linear beam 6-50° (LIN6-50)  
Grazer; high-gloss narrow beam (C-NB)

### Materials and finishing

Housing and U-bracket: die-cast aluminium (silver grey, RAL9006)  
Optic: anodised parabolic reflector; lense and prism in methacrylate  
Cover: tempered glass  
Cover frame: brushed stainless steel

### Housing

Grey, RAL 9006; silver (SI)  
Other RAL colours available on request

### Installation

Surface mounting  
Max horizontal aiming: -170 to +170°  
Max vertical aiming: -90 to +90°  
Beam rotation (external ring on the housing): -180 to +180°  
Through wiring; two M20 cable glands (3 x 2.5mm<sup>2</sup>)  
Operating temperature: -20°C < T<sub>a</sub> < 35°C

### Lifetime

50,000 hours (70% lumen maintenance)

### Main applications

Accent lighting of façades, buildings, structures, parks, gardens

### Classification code



Reflector and grazer plate



Spot



Zoom spot

## Product Selection

### BeamerLED – BCP725



#### Colour

- White (3400K)
- Red
- Green
- Blue
- Amber
- Cyan
- Light Blue

#### Weight (kg)

- 3.66
- 3.66
- 3.66
- 3.66
- 3.66
- 3.66
- 3.66

#### Order Code

- 47825800
- 47820300
- 47863000
- 47815900
- 47830200
- 47862300
- 47832600

### BeamerLED – BCP725 Zoom Spot 4-12°



#### Colour

- White (3400K)
- Red
- Blue
- Cyan

#### Weight (kg)

- 4.31
- 4.31
- 4.31
- 4.31

#### Order Code

- 47826500
- 47821000
- 47816600
- 60689800

### BeamerLED – BCP725 Linear Beam 6-50°



#### Colour

- White (3400K)
- Red
- Blue

#### Weight (kg)

- 4.31
- 4.31
- 4.31

#### Order Code

- 47828900
- 47823400
- 47818000

### BeamerLED – BCP725 Grazer Narrow Beam



#### Colour

- White (3400K)
- Red
- Blue
- Light Blue

#### Weight (kg)

- 3.88
- 3.88
- 3.88
- 3.88

#### Order Code

- 47829600
- 47824100
- 47819700
- 47833300

## Polar Intensity Diagram (For further Photometric data please contact our technical department)

BeamerLED Grazer  
Cyan BCP725

Lamp: 1 x LED-LXHL-III-LB/CY  
Luminaire Lumens: 37

BeamerLED Linear beam  
2 x 1.3 by 2 x 25°

Medium beam Green BCP725  
Lamp: 1 x LED-LXHL-III-LB/GN  
Luminaire Lumens: 31

BeamerLED Linear beam  
2 x 1.3 by 2 x 25°

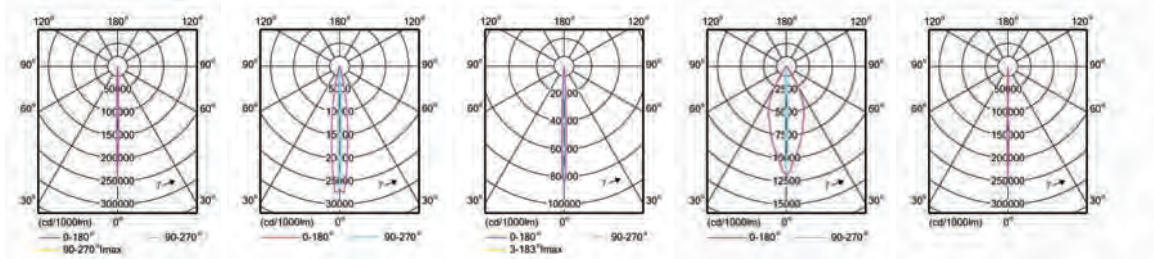
Narrow beam Green BCP725  
Lamp: 1 x LED-LXHL-III-LB/GN  
Luminaire Lumens: 31

BeamerLED Linear beam  
2 x 1.3 by 2 x 25°

Wide beam Green BCP725  
Lamp: 1 x LED-LXHL-III-LB/GN  
Luminaire Lumens: 31

BeamerLED Spot beam  
2 x 1.1° White BCP725

Lamp: 1 x LED-LXHL-III-LB/WH  
Luminaire Lumens: 33



☎ For further information call 01483 293 258



# iColorGraze Powercore®

\_Linear fixture for surface grazing & wall washing

\_Available in 4 lengths

\_4 Beam Angles

\_Each (305mm) section is individually addressable

\_Direct mains connection for ease of installation

\_Seamless connection

\_Philips Core Technologies used:

**Powercore®** technology – Power and data combined, eliminating the need for an external power supply

**Chromacore®** – An unprecedented means for adding intelligence to LED illumination devices

**Optibin®** – Production process that ensures light output and colour consistency

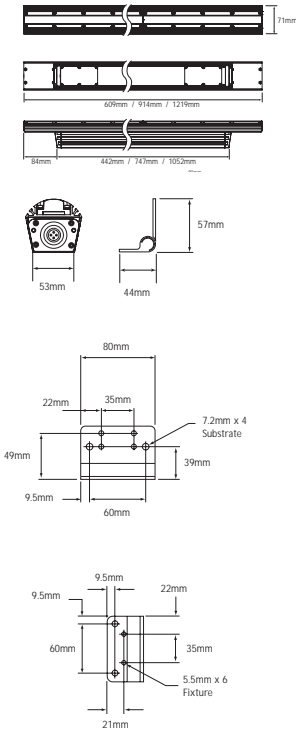




Project:  
\_Private Residence, USA  
Photographer:  
\_John Brandon Miller

# iColorGraze Powercore®

## Standard features



## Type

### Light source

### Light colour

### Power consumption

### Power/data supply

### Driver

### Optic

### Controls

### Options

### Material and finishing

### Installation

### Operating temp.

### Max vertical aiming

### Connection

### Lifetime

### Accessories

### Main applications

### Classification code

## BCS459

24 x LED-HB (609mm length version)  
 36 x LED-HB (914mm length version)  
 48 x LED-HB (1219mm length version)

Tri-colour: red, green, blue (RGB)

609mm length version: 35W  
 914mm length version: 52.5W  
 1219mm length version: 70W

Not integrated, data enabler to be ordered separately

100-240V AC / 50-60Hz

10° x 60°

30° x 60°

Philips full line DXM512 (RS-485) controllers

External driver (Data enabler)

Housing: anodised aluminium, extruded  
 Lens: clear polycarbonate

Fixation with mounting hinge on surface

-20°C < Ta < 50°C

115°

Integral male / female waterproof connector IP66

50,000 hours, 70% lumen maintenance at Ta = 50 °C

Jumper cables (end-to-end 0mm, 305mm, 1500mm)

Leader cables (15, 2 m)

Architectural wallwash and grazing lighting applications:  
 buildings, façades, bridges



## Product Selection

### iColorGraze Powercore® – BCS459



### Light Colour



RGB

### Length (mm)

### Beam (°)

### Power (w)

### Weight (kg)

### Order Code

305	9x9	14	1.2	70464499
305	10x60	14	1.2	70465199
305	15x30	14	1.2	70466899
305	30x60	14	1.2	70467599
305	60x30	14	1.2	70468299
609	9x9	35	2.2	70469999
609	10 x 60 (10)	35	2.2	71580499
609	15x30	35	2.2	70470599
609	30 x 60 (30)	35	2.2	71581199
609	60x30	35	2.2	70471299
914	9x9	52.5	3.6	70480400
914	10 x 60 (10)	52.5	3.6	71575000
914	15x30	52.5	3.6	70481100
914	30 x 60 (30)	52.5	3.6	71578100
914	60x30	52.5	3.6	70482800
1219	9x9	70	4.9	70483500
1219	10 x 60 (10)	70	4.9	71576700
1219	15x30	70	4.9	70484200
1219	30 x 60 (30)	70	4.9	71579800
1219	60x30	70	4.9	70485900



## System Components

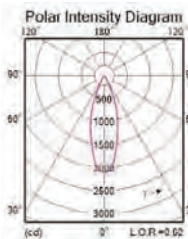
Data Enabler	Product	Order Code
	DMX	27556799
	Ethernet	71053399

Controls	Product	Order Code
<i>(See page 524 for full list of controls)</i>	i-Player3	70058599
	ColourChaser Touch	80896300
	Light System Manager	71442500
	Video System Manager	71443200
	<i>(Other third party DMX controllers will work with this product)</i>	

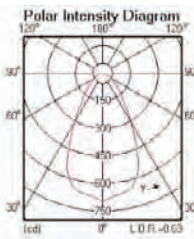
Cables	Product	Length (mm)	Order Code
	Leader Cable	15200	71511899
	Jumper Cable (end to end connector)	0	71505799
	Jumper Cable	305	71506499
	Jumper Cable (1.5m)	1500	71507199

## Polar Intensity Diagram (For further Photometric data please contact our technical department)

Medium Beam Disc



Wide Beam Disc



# eColorGraze Powercore®

\_Linear fixture for surface grazing & wall washing

\_Available in 4 lengths

\_4 Beam Angles

\_Tri colour, available in Amber, Blue, Green and Red

\_Direct mains connection for ease of installation

\_Seamless connection

\_Philips Core Technologies used:

**Powercore®** technology – Power and data combined, eliminating the need for an external power supply

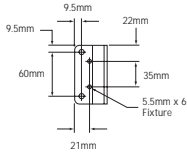
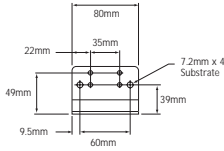
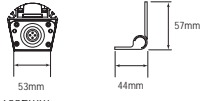
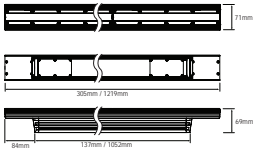
**Optibin®** – Production process that ensures light output and colour consistency







**Standard features**



**Type**  
**Light source**

**Light colour**  
**Power consumption**

**Power/data supply**  
**Driver**

**Optic**

**Controls**  
**Material and finishing**

**Installation**  
**Operating temp.**  
**Max vertical aiming**  
**Lifetime**

**Accessories**

**Main applications**

**Classification code**

**BCS439**

12 x LED-HB (305mm length version)  
24 x LED-HB (609mm length version)  
36 x LED-HB (914mm length version)  
48 x LED-HB (1214mm length version)  
Amber (RD), Blue (BL), Amber (AM), Green (GN)

305mm length version: 14W  
609mm length version: 35W  
914mm length version: 52.5W  
1214mm length version: 56.3W

Integrated  
100 / 120 / 230 / 277V AC / 50-60Hz  
10° x 60° (10)  
30° x 60° (30)

Line Switch, ELV commercially available dimmers  
Housing: anodised aluminium, extruded  
Lens: clear polycarbonate  
Fixation with mounting hinge on surface  
-40°C < Ta < +50°C

115°  
50,000 hours, 70 % maintenance at Ta = 50°C  
Jumper cables (end-to-end 0mm, 305mm, 1500mm)  
Leader cables (15, 2m)

Architectural wallwash and grazing lighting applications: buildings, facades, bridges



## Product Selection

eColorGraze Powercore® – BCS439	Light Colour	Length (mm)	Beam (°)	Power (w)	Weight (kg)	Order Code
● Amber		305	9x9	14	1.2	70344999
		305	10x60	14	1.2	70348799
		305	15x30	14	1.2	70352499
		305	30x60	14	1.2	70356299
		305	60x30	14	1.2	70360999
		609	9x9	35	2.2	70364799
		609	10x60	35	2.2	70368599
		609	15x30	35	2.2	70372299
		609	30x60	35	2.2	70376099
		609	60x30	35	2.2	70380799
		914	9x9	52.5	3.6	70424800
		914	10x60	52.5	3.6	70428600
		914	15x30	52.5	3.6	70432300
		914	30x60	52.5	3.6	70436100
		914	60x30	52.5	3.6	70440800
		1219	9x9	56.3	4.9	70444600
		1219	10x60	56.3	4.9	70448400
		1219	15x30	56.3	4.9	70452100
		1219	30x60	56.3	4.9	70456900
		1219	60x30	56.3	4.9	70460600
● Blue		305	9x9	14	1.2	70347099
		305	10x60	14	1.2	70351799
		305	15x30	14	1.2	70355599
		305	30x60	14	1.2	70359399
		305	60x30	14	1.2	70363099
		609	9x9	35	2.2	70367899
		609	10x60	35	2.2	70371599
		609	15x30	35	2.2	70375399
		609	30x60	35	2.2	70379199
		609	60x30	35	2.2	70383899
		914	9x9	52.5	3.6	70427900
		914	10x60	52.5	3.6	70431600
		914	15x30	52.5	3.6	70435400
		914	30x60	52.5	3.6	70439200
		914	60x30	52.5	3.6	70443900
		1219	9x9	56.3	4.9	70447700
		1219	10x60	56.3	4.9	70451400
		1219	15x30	56.3	4.9	70455200
		1219	30x60	56.3	4.9	70459000
		1219	60x30	56.3	4.9	70463700
● Green		305	9x9	14	1.2	70346399
		305	10x60	14	1.2	70350099
		305	15x30	14	1.2	70354899
		305	30x60	14	1.2	70358699

## Product Selection

Light Colour	Length (mm)	Beam (°)	Power (w)	Weight (kg)	Order Code
	305	60x30	14	1.2	70362399
	609	9x9	35	2.2	70366199
	609	10x60	35	2.2	70370899
	609	15x30	35	2.2	70374699
	609	30x60	35	2.2	70378499
	609	60x30	35	2.2	70382199
	914	9x9	52.5	3.6	70426200
	914	10x60	52.5	3.6	70430900
	914	15x30	52.5	3.6	70434700
	914	30x60	52.5	3.6	70438500
	914	60x30	52.5	3.6	70442200
	1219	9x9	56.3	4.9	70446000
	1219	10x60	56.3	4.9	70450700
	1219	15x30	56.3	4.9	70454500
	1219	30x60	56.3	4.9	70458300
	1219	60x30	56.3	4.9	70462000
● Red	305	9x9	14	1.2	70345699
	305	10x60	14	1.2	70349499
	305	15x30	14	1.2	70353199
	305	30x60	14	1.2	70357999
	305	60x30	14	1.2	70361699
	609	9x9	35	2.2	70365499
	609	10x60	35	2.2	70369299
	609	15x30	35	2.2	70373999
	609	30x60	35	2.2	70377799
	609	60x30	35	2.2	70381499
	914	9x9	52.5	3.6	70425500
	914	10x60	52.5	3.6	70429300
	914	15x30	52.5	3.6	70433000
	914	30x60	52.5	3.6	70437800
	914	60x30	52.5	3.6	70441500
	1219	9x9	56.3	4.9	70445300
	1219	10x60	56.3	4.9	70449100
	1219	15x30	56.3	4.9	70453800
	1219	30x60	56.3	4.9	70457600
	1219	60x30	56.3	4.9	70461300

## System Components

Cables	Product	Length (mm)	Order Code
	Leader Cable	15200	71509599
	Jumper Cable (end to end connector)	0	71505799
	Jumper Cable	305	71506499
	Jumper Cable (1.5m)	1500	71507199





# iW Graze Powercore®

\_Linear fixture for surface grazing & wall washing

\_Available in 4 lengths

\_4 Beam Angles

\_Intelliwhite series featuring colour temperature control from 3000-6500k

\_Direct mains connection for ease of installation

\_Seamless connection

\_Philips Core Technologies used:

**Powercore®** technology – Power and data combined, eliminating the need for an external power supply

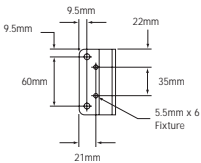
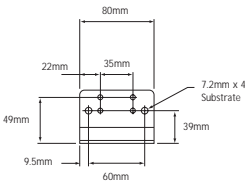
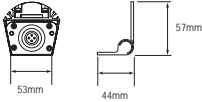
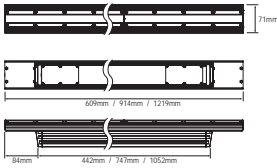
**Optibin®** – Production process that ensures light output and colour consistency





## iWGraze Powercore®

### Standard features



### Type

BCS459

### Light source

12 x LED-HB (305mm length version)  
24 x LED-HB (609mm length version)  
36 x LED-HB (914mm length version)  
48 x LED-HB (1219mm length version)

### Light colour

Tri-colour: red, green, blue (RGB)

### Power consumption

609mm length version: 35W  
914mm length version: 52.5W  
1219mm length version: 70W

### Power/data supply

Not integrated, data enabler to be ordered separately

### Driver

100-240V AC / 50-60Hz

### Optic

10° x 60°  
30° x 60°

### Controls

Philips full line DXM512 (RS-485) controllers

### Options

External driver (Data enabler)

### Material and finishing

Housing: anodised aluminium, extruded  
Lens: clear polycarbonate

### Installation

Fixation with mounting hinge on surface

### Operating temp.

-20°C < Ta < 50°C

### Max vertical aiming

115°

### Connection

Integral male / female waterproof connector IP66

### Lifetime

50,000 hours, 70% lumen maintenance at Ta = 50 °C

### Accessories

Jumper cables (end-to-end 0mm, 305mm, 1500mm)  
Leader cables (15, 2 m)

### Main applications

Architectural wallwash and grazing lighting applications:  
buildings, façades, bridges

## Product Selection

### iW Graze Powercore®



### Light Colour

○ White (2700-6500K)

### Length (mm)

### Beam (°)

### Power (w)

### Weight (kg)

### Order Code

305	9x9	14	1.2	70564199
305	10x60	14	1.2	70566599
305	15x30	14	1.2	70568999
305	30x60	14	1.2	70570299
305	60x30	14	1.2	70572699
609	9x9	35	2.2	70565899
609	10x60	35	2.2	70567299
609	15x30	35	2.2	70569699
609	30x60	35	2.2	70571999
609	60x30	35	2.2	70573399
914	9x9	52.5	3.6	70576400
914	10x60	52.5	3.6	70580100
914	15x30	52.5	3.6	70584900
914	30x60	52.5	3.6	70588700
914	60x30	52.5	3.6	70592400
1219	9x9	70	4.9	70577100
1219	10x60	70	4.9	70581800
1219	15x30	70	4.9	70585600
1219	30x60	70	4.9	70589400
1219	60x30	70	4.9	70593100



## System Components

Data Enabler	Product	Order Code
	DMX	27556799
	Ethernet	71053399

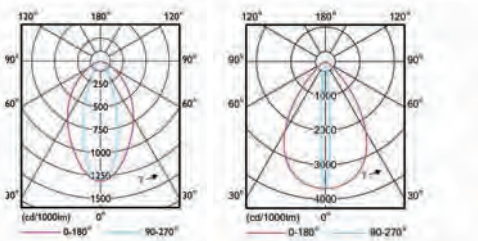
Controls	Product	Order Code
(See page 524 for full list of controls)	iW Scene Controller	71178399

Cables	Product	Length (mm)	Order Code
	Leader Cable	15200	71511899
	Jumper Cable (end to end connector)	0	71505799
	Jumper Cable	305	71506499
	Jumper Cable (1.5m)	1500	71507199

## Polar Intensity Diagram (For further Photometric data please contact our technical department)

iWGraze Powercore®  
**30 x 60° 2700K BCS459**  
 Lamp: 1 x 12 White LEDs  
 Luminaire Lumens: 1 x 384

iWGraze Powercore®  
**10 x 60° 2700K BCS459**  
 Lamp: 1 x 12 White LEDs  
 Luminaire Lumens: 1 x 404



☎ For further information call 01483 293 258

# eW Graze Powercore®

\_Linear fixture for surface grazing & wall washing

\_Available in 4 lengths

\_4 Beam Angles

\_3 Colour Temperatures

\_Direct mains connection for ease of installation

\_Seamless connection

\_Philips Core Technologies used:

**Powercore®** technology – Power and data combined, eliminating the need for an external power supply

**Optibin®** – Production process that ensures light output and colour consistency

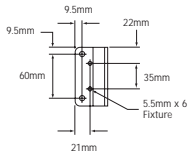
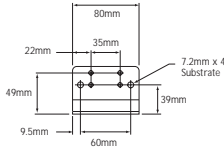
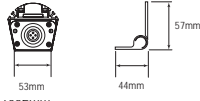
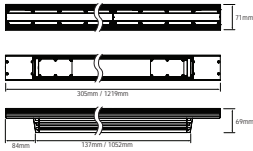




Project:  
\_Custom House Tower, USA  
Lighting Designer:  
\_Lam Partners Inc.

Photographer:  
\_John Brandon Miller

**Standard features**



**Type**

**Light source**

**BCS419**

- 12 x LED-HB (305mm length version)
- 24 x LED-H8 (609mm length version)
- 36 x LED-H8 (914mm length version)
- 48 x LED-HB (1219mm length version)

**Light colour**

Warm white (2700k), Neutral White (4000k), Cool white (5500k)

**Power consumption**

305mm length version: 14W, 609mm length version: 35W  
914mm length version: 52.5W, 1219mm length version: 56.3W

**Power/data supply**

Integrated

**Driver**

100 / 120 / 230 / 277V AC / 50-60Hz

**Optic**

10° x 60° (10), 30° x 60° (30)

**Controls**

Line Switch, ELV commercially available dimmers

**Material and finishing**

Housing: anodised aluminium, extruded

**Installation**

Lens: clear polycarbonate

**Installation**

Fixation with mounting hinge on surface

**Operating temp.**

-40°C < Ta < +50°C

**Max vertical aiming**

| 15°

**Lifetime**

50,000 hours, 70 % maintenance at Ta = 50°C

**Accessories**

Jumper cables (end-to-end 0mm, 305mm, 1500mm)  
Leader cables (15, 2m)

**Main applications**

Architectural wallwash and grazing lighting applications: buildings, facades, bridges

**Classification code**





## Product Selection

### eW Graze Powercore® – BCS419



Light Colour	Length (mm)	Beam (°)	Power (w)	Weight (kg)	Order Code
● Warm white (2700K)	305	9x9	14	1.2	70486699
	305	10 x 60 (10)	14.5	1.2	71494499
	305	15x30	14	1.2	70490399
	305	30 x 60 (30)	14.3	1.2	71533000
	305	60x30	14	1.2	70494199
	609	9x9	35	2.2	70497299
	609	10x60	35	2.2	70500999
	609	15x30	35	2.2	70503099
	609	30x60	35	2.2	70506199
	609	60x30	35	2.2	70509299
	914	9x9	52.5	3.6	70538200
	914	10x60	52.5	3.6	70541200
	914	15x30	52.5	3.6	70544300
	914	30x60	52.5	3.6	70547400
	914	60x30	52.5	3.6	70550400
	1219	9x9	56.3	4.9	70553500
	1219	10 x 60 (10)	58.0	4.9	71496899
	1219	15x30	56.3	4.9	70557300
	1219	30 x 60 (30)	53.6	4.9	71537800
	1219	60x30	56.3	4.9	70561000
○ Neutral white (4000K)	305	9x9	14	1.2	70487399
	305	10 x 60 (10)	13.4	1.2	71495199
	305	15x30	14	1.2	70491099
	305	30 x 60 (30)	14.1	1.2	71534700
	305	60x30	14	1.2	70495899
	609	9x9	35	2.2	70498999
	609	10x60	35	2.2	70501699
	609	15x30	35	2.2	70504799
	609	30x60	35	2.2	70507899
	609	60x30	35	2.2	70510899
	914	9x9	52.5	3.6	70539900
	914	10x60	52.5	3.6	70542900
	914	15x30	52.5	3.6	70545000
	914	30x60	52.5	3.6	70548100
	914	60x30	52.5	3.6	70551100
	1219	9x9	56.3	4.9	70554200
	1219	10 x 60 (10)	57.2	4.9	71497599
	1219	15x30	56.3	4.9	70558000
	1219	30 x 60 (30)	56.4	4.9	71538500
	1219	60x30	56.3	4.9	70562700

## Product Selection

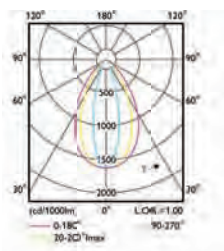
Light Colour	Length (mm)	Beam (°)	Power (w)	Weight (kg)	Order Code
● Cool white (5500K)	305	9x9	14	1.2	70488099
	305	10x60	14	1.2	70489799
	305	15x30	14	1.2	70492799
	305	30x60	14	1.2	70493499
	305	60x30	14	1.2	70496599
	609	9x9	35	2.2	70499699
	609	10x60	35	2.2	70502399
	609	15x30	35	2.2	70505499
	609	30x60	35	2.2	70508599
	609	60x30	35	2.2	70511599
	914	9x9	52.5	3.6	70540500
	914	10x60	52.5	3.6	70543600
	914	15x30	52.5	3.6	70546700
	914	30x60	52.5	3.6	70549800
	914	60x30	52.5	3.6	70552800
	1219	9x9	56.3	4.9	70555900
	1219	10x60	56.3	4.9	70556600
	1219	15x30	56.3	4.9	70559700
1219	30x60	56.3	4.9	70560300	
1219	60x30	56.3	4.9	70563400	

## System Components

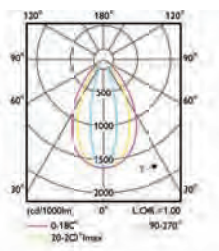
Cables	Product	Length (mm)	Order Code
	Leader Cable	15200	71509599
	Jumper Cable (end to end connector)	0	71505799
	Jumper Cable	305	71506499
	Jumper Cable (1.5m)	1500	71507199

## Polar Intensity Diagram (For further Photometric data please contact our technical department)

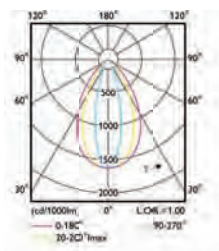
Luminaire : BCS419 48-LED-HB/  
NW 30  
Lampflux : 1 x 2251 lm  
Measurement code : LVE1797600  
Measurement date : 2010-02-16  
Measurement status : Released  
L.O.R. : 1.00



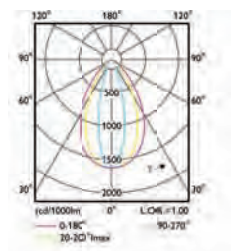
Luminaire : BCS419 12-LED-HB/NW  
30 L305  
Lampflux : 1 x 563 lm  
Measurement code : LVE1797600  
Measurement date : 2010-02-16  
Measurement status : Released  
L.O.R. : 1.00



Luminaire : BCS419 24-LED-HB/  
NW 30  
Lampflux : 1 x 1126 lm  
Measurement code : LVE1797600  
Measurement date : 2010-02-16  
Measurement status : Released  
L.O.R. : 1.00



Luminaire : BCS419 36-LED-HB/  
NW 30  
Lampflux : 1 x 1688 lm  
Measurement code : LVE1797600  
Measurement date : 2010-02-16  
Measurement status : Released  
L.O.R. : 1.00





# LEDline<sup>2</sup> – composing with light

- \_LEDline<sup>2</sup> features a choice of lengths to suit the architecture
- \_High-power LUXEON™ LEDs combined with new dedicated optics
- \_High-quality materials and lighting electronics
- \_Minimal visual disturbance
- \_Precise light distribution and uniform illuminance
- \_Energy efficient
- \_Environmentally sound: no toxic metals used
- \_Long operating life







Project:  
\_Cuza University  
Romania

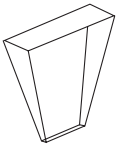
# LEDline<sup>2</sup> – composing with light

LEDline<sup>2</sup> is a high-performance, linear grazing light, creating colour-changing effects and seamless curtains of light. Available in a wide range of colours, optics and forms the linearity of LEDline<sup>2</sup> complements the geometry of the architecture, transforming light into objects.

The new white colour variations from cool to warmwhite, are ideal for enhancing architecture or façades and buildings with high-quality white light. For detailed accent lighting applications, such as ornaments or window niches, the new 150mm MiniLEDline<sup>2</sup> offers maximum lighting flexibility. A new crossbeam version is available for creating luminance effects on facades. For dynamic and scene setting applications a wide choice of controls can be used with LEDline<sup>2</sup>. Overall LEDline<sup>2</sup> range offers easy installation by featuring DMX/RDM protocol and various connectors, cables lengths and mounting brackets.

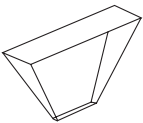
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## Narrow Beam



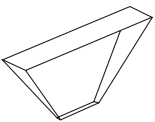
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## Medium Beam



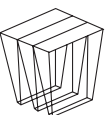
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## Wide Beam



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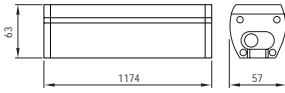
## Narrow Beam – Flood





## LEDline<sup>2</sup> Surface Mounted

### Standard features



BCS722

### Light source

Luxeon I / Luxeon K2

### Light colour

Warm White, Cool White, Neutral White, Red, Green, Blue, Amber; RGB, AWB

### Optics

6° Narrow Beam  
30° Medium Beam  
60° Wide Beam  
60° Cross Wide Beam  
Asymmetric Beam

### Power supply

100-240V AC / 50- 60 Hz (Integrated Driver)

### Power consumption

Variable - Depends on Luminaire

### Electronic Interface

Dali I/I0V

### Ambient Temperature

DMX/RDM (for Warm White, Neutral White, RGB & AWB)  
-20°C to + 35°C

### Materials

Housing & Mounting Brackets - Anodised extruded Aluminium  
Cover - PPMA / Polycarbonate  
Endcap - Polycarbonate (grey)

### Adjustment

Locking base swivel: after installation rotation upto 350°

### Installation

Surface-mounted

### Lifetime

50,000 hrs (70% lumen maintenance at Ta = 25°)

### Insulation Class

Class I, IK02

### Remarks

Mounting Brackets included with Luminaire

### IP Rating

IP66

### Classification code



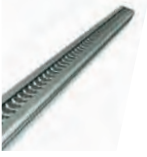
## Product Selection

LEDline <sup>2</sup> Surface Mounted 150mm 6 x LEDs – BCS710	Light Colour	Beam	Beam (°)	Weight (kg)	Power (w)	Controls	Order Code
	○ Natural white	Narrow	6	0.72	10	–	67877200
	○ Natural white	Wide	60	0.72	10	–	67875800
	● Warm white	Wide	60	0.72	10	–	67876500
	● Cool white	Narrow	6	0.72	10	–	67879600
	● Cool white	Wide	60	0.72	10	–	67880200



## Product Selection

### LEDline<sup>2</sup> Surface Mounted 300mm 12 x LEDs – BCS713



Light Colour	Beam	Beam (°)	Weight (kg)	Power (w)	Controls	Order Code	
○ Natural white	Narrow	6	0.992	19	–	67883300	
	Wide	60	–	19	–	67884000	
	● Warm white	Wide	60	0.96	19	–	67882600
		Narrow	6	–	19	–	67881900
	● Amber	Narrow	6	0.936	19	–	71438700
		Narrow	6	1.078	19	DALI	71440000
Wide		60	0.96	19	–	71441700	
● Blue	Wide	60	1.102	19	DALI	71443100	
	Narrow	6	0.936	19	–	71420200	
	Narrow	6	1.078	19	DALI	71422600	
● Cool white	Wide	60	0.96	19	–	71423300	
	Wide	60	1.102	19	DALI	71425700	
	Narrow	6	0.936	19	–	71414100	
● Green	Narrow	6	1.078	19	DALI	71416500	
	Wide	60	0.96	19	–	71417200	
	Wide	60	1.102	19	DALI	71419600	
● Red	Narrow	6	0.936	19	–	71432500	
	Narrow	6	1.078	19	DALI	71434900	
	Wide	60	0.96	19	–	71435600	
● Red	Wide	60	1.102	19	DALI	71437000	
	Narrow	6	0.936	19	–	71426400	
	Narrow	6	1.078	19	DALI	71428800	
● Red	Wide	60	0.96	19	–	71429500	
	Wide	60	1.102	19	DALI	71431800	

## Product Selection

### LEDline<sup>2</sup> Surface Mounted 600mm 6 x LEDs – BCS719



Light Colour	Beam	Beam (°)	Weight (kg)	Power (w)	Controls	Order Code
● Warm white	Wide	60	1.558	10	–	67889500
	Wide	60	1.558	10	–	71516200
● Amber	Wide	60	1.618	10	DALI	71518600
	Wide	60	1.558	10	–	71507000
● Blue	Wide	60	1.618	10	DALI	71509400
	Wide	30	1.558	10	–	71504900
● Cool white	Wide	60	1.618	10	DALI	71506300
	Wide	60	1.558	10	–	71513100
● Green	Wide	60	1.618	10	DALI	71515500
	Wide	60	1.558	10	–	71510000
● Red	Wide	60	1.618	10	DALI	71512400

## Product Selection

<b>LEDline<sup>2</sup> Surface Mounted 600mm 24 x LEDs – BCS719</b>	<b>Light Colour</b>	<b>Beam</b>	<b>Beam (°)</b>	<b>Weight (kg)</b>	<b>Power Controls (w)</b>	<b>Order Code</b>
	○ Natural White	Wide	60	–	–	67888800
	● Warm White	Narrow	6	–	–	67885700
	AWB	Medium	30	–	– DMX	67982300
	AWB	Wide	60	–	– DMX	67984700

<b>LEDline<sup>2</sup> Surface Mounted 900mm 36 x LEDs – BCS719</b>	<b>Light Colour</b>	<b>Beam</b>	<b>Beam (°)</b>	<b>Weight (kg)</b>	<b>Power Controls (w)</b>	<b>Order Code</b>
	○ Natural White	Narrow	6	–	–	67888800
	○ Natural White	Wide	60	–	–	67902100
	● Warm White	Narrow	6	–	–	67899400
	● Warm White	Wide	60	–	–	67900700
	● Cool White	Narrow	6	–	–	67903800
	● Cool White	Wide	60	–	–	67904500
	AWB	Medium	30	–	– DMX	67994600
	AWB	Wide	60	–	– DMX	67996000
	● RGB	Medium	30	–	– DMX	67993900
	● RGB	Wide	60	–	– DMX	67995300
	● RGB	Cross Wide	60°C	–	– DMX	67998400

<b>LEDline<sup>2</sup> Surface Mounted 1200mm 48 x LEDs – BCS722</b>	<b>Light Colour</b>	<b>Beam</b>	<b>Beam (°)</b>	<b>Weight (kg)</b>	<b>Power Controls (w)</b>	<b>Order Code</b>
	○ Natural White	Wide	60	–	–	67908300
	● Warm White	Narrow	6	–	–	67905200
	● RGB	Asymmetric	A	–	– DMX	67917500
	AWB	Medium	30	–	– DMX	67986100
	AWB	Wide	60	–	– DMX	67988500

## System Components

Accessories	Product	Length (mm)	Order Code
	Mounting Bracket	100	71808800
	Mounting Bracket	150	67968700
	Mounting Bracket	200	67969400
	Termination Block for DMX Link with XLR5 Connections		67970000

Controls	Product	Order Code
(See page 524 for full list of controls)	i-Player3	70058599
	ColourChaser Touch	80896300
	Light System Manager	71442500
	Video System Manager	71443200
	<i>(Other third party DMX controllers will work with this product)</i>	

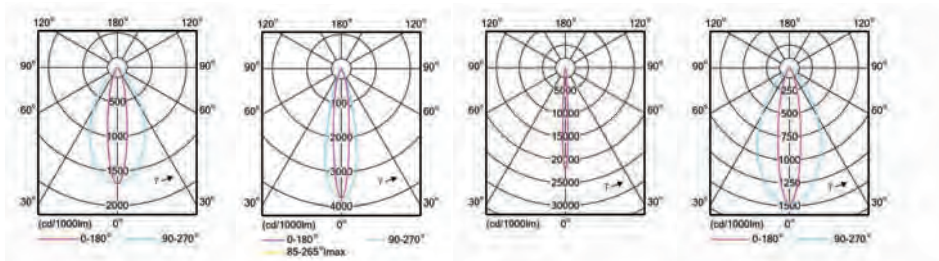
## Polar Intensity Diagram (For further Photometric data please contact our technical department)

LEDline<sup>2</sup> 2 x 30° Wide beam  
Neutral white Balcony BCS716  
Lamp: 6 x LED-K2-R00/NW  
Luminaire Lumens: 200

LEDline<sup>2</sup> 2 x 15° Medium beam  
Neutral white BCS716  
Lamp: 24 x LED-K2-R00/NW  
Luminaire Lumens: 745

LEDline<sup>2</sup> 2 x 3° Narrow beam  
Neutral white BCS716  
Lamp: 24 x LED-K2-R00/NW  
Luminaire Lumens: 831






LEDline<sup>2</sup> 2 x 30° Wide beam  
Neutral white BCS716  
Lamp: 24 x LED-K2-R00/NW  
Luminaire Lumens: 702



## LEDline<sup>2</sup> Recessed

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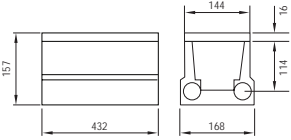
### Standard features

<b>Light source</b>	Luxeon I / Luxeon K2
<b>Light colour</b>	Warm White, Cool White, Neutral White, Red, Green, Blue, Amber, RGB, AWB
<b>Optics</b>	6° Narrow Beam 30° Medium Beam 60° Wide Beam 60° Cross Wide Beam Asymmetric Beam
<b>Power supply</b>	100-240V AC / 50- 60 Hz (Integrated Driver)
<b>Power consumption</b>	Variable - Depends on Luminaire
<b>Electronic Interface</b>	Dali I/I0V DMX/RDM (RGB & AWB)
<b>Ambient Temperature</b>	-20°C to + 35°C
<b>Materials</b>	Housing - Black painted cast Aluminium Cover & Recessing box: Sheet steel and tempered glass (with dark-grey screen print and transparent optical window) Frames & Screws - Stainless Steel
<b>Installation</b>	Recessed
<b>Lifetime</b>	50,000 hrs (70% lumen maintenance at Ta = 25°)
<b>Insulation Class</b>	Class I, IK10
<b>Remarks</b>	Recessed Box included with Luminaire
<b>IP Rating</b>	IP67
<b>Classification code</b>	    



## Product Selection

### LEDline<sup>2</sup> Recessed 430mm 12 x LEDs – BBS713



Light Colour	Beam	Beam (°)	Weight (kg)	Power (w)	Controls	Order Code
○ Natural white	Medium	30	–	19	–	67920500
	Medium	30	7.508	19	–	67919900
	Narrow	6	7.484	19	–	71556800
● Warm white	Narrow	6	7.626	19	DALI	71558200
	Wide	60	7.508	19	–	71559900
	Wide	60	7.65	19	DALI	71561200
● Blue	Narrow	6	7.484	19	–	71538400
	Narrow	6	7.626	19	DALI	71540700
	Wide	60	7.508	19	–	71541400
● Cool white	Wide	60	7.65	19	DALI	71543800
	Medium	30	7.508	19	–	67921200
	Narrow	6	7.484	19	–	71533900
● Green	Narrow	6	7.626	19	DALI	71535300
	Wide	60	7.508	19	–	71536000
	Wide	60	7.65	19	DALI	71743200
● Red	Narrow	6	7.484	19	–	71550600
	Narrow	6	7.626	19	DALI	71552000
	Wide	60	7.508	19	–	71553700
● Red	Wide	60	7.65	19	DALI	71555100
	Narrow	6	0.992	19	–	71544500
	Narrow	6	7.626	19	DALI	71546900
● Red	Wide	60	7.508	19	–	71547600
	Wide	60	7.65	19	DALI	71549000

### LEDline<sup>2</sup> Recessed 722mm24 x LEDs – BBS716





Light Colour	Beam	Beam (°)	Weight (kg)	Power (w)	Controls	Order Code
○ Natural white	Medium	30	–	37	–	67923600
	Medium	30	12.248	37	–	67922900
	Narrow	6	12.2	37	–	71586500
● Warm white	Narrow	6	12.38	37	DALI	71588900
	Wide	60	12.248	37	–	71589600
	Wide	60	12.428	37	DALI	71591900
● Blue	Narrow	6	12.2	37	–	71568100
	Narrow	6	12.38	37	DALI	71570400
	Wide	60	12.248	37	–	71571100
● Cool white	Wide	60	12.428	37	DALI	71573500
	Medium	30	12.248	37	–	67924300
	Narrow	6	12.2	37	–	71562900
● Green	Narrow	6	12.38	37	DALI	71564300
	Wide	60	12.248	37	–	71565000
	Wide	60	12.428	37	DALI	71567400
● Red	Narrow	6	12.2	37	–	71580300
	Narrow	6	12.38	37	DALI	71582700
	Wide	60	12.248	37	–	71583400
● Red	Wide	60	12.428	37	DALI	71585800

## Product Selection

### LEDline<sup>2</sup> Recessed 24 x LEDs – BBS716



Light Colour	Beam	Beam (°)	Weight (kg)	Power (w)	Controls	Order Code
 Red	Narrow	6	12.2	37	–	71574200
	Narrow	6	12.38	37	DALI	71576600
	Wide	60	12.248	37	–	71577300
	Wide	60	12.428	37	DALI	71579700
 RGB	Medium	30	–	37	–	67925000
	Wide	60	–	37	–	67926700
	Asymmetric A	–	–	37	–	27927400

## System Components

Accessories	Product	Order Code
	BBS716 Recessed Mounting Box	71599500
	BBS713 Recessed Mounting Box	71598800
	Termination Block for DMX Link with XLR5 Connectors	67970000

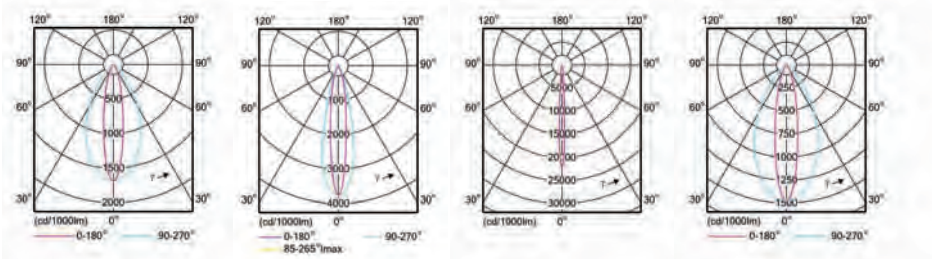
## Polar Intensity Diagram (For further Photometric data please contact our technical department)

LEDline<sup>2</sup> 2 x 30° Wide beam  
Neutral white Balcony BCS716  
Lamp: 6 x LED-K2-R00/NW  
Luminaire Lumens: 200

LEDline<sup>2</sup> 2 x 15° Medium beam  
Neutral white BCS716  
Lamp: 24 x LED-K2-R00/NW  
Luminaire Lumens: 745

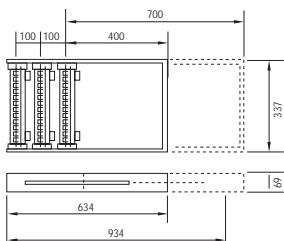
LEDline<sup>2</sup> 2 x 3° Narrow beam  
Neutral white BCS716  
Lamp: 24 x LED-K2-R00/NW  
Luminaire Lumens: 831

LEDline<sup>2</sup> 2 x 30° Wide beam  
Neutral white BCS716  
Lamp: 24 x LED-K2-R00/NW  
Luminaire Lumens: 702



## LEDline<sup>2</sup> Recessed Flood

### Standard features



<b>Light source</b>	Luxeon I / Luxeon K2
<b>Light colour</b>	Warm White, Cool White, Neutral White, Red, Green, Blue, Amber
<b>Optics</b>	6° Narrow Beam
<b>Power supply</b>	00-240V AC / 50- 60 Hz (Integrated Driver)
<b>Power consumption</b>	Variable - Depends on Luminaire
<b>Electronic Interface</b>	Dali I/10V DMX/RDM (RGB & AWB)
<b>Ambient Temperature</b>	-20°C to + 35°C
<b>Materials</b>	Housing -Anodised extruded Aluminium Cover & Recessing box: Sheet steel and tempered glass (with dark-grey screen print and transparent optical window) Frames & Screws - Stainless Steel
<b>Installation</b>	Recessed
<b>Lifetime</b>	50,000 hrs (70% lumen maintenance at Ta = 25°)
<b>Insulation Class</b>	Class I, IK02
<b>Remarks</b>	Mounting Frame included with Luminaire
<b>IP Rating</b>	IP66
<b>Classification code</b>	

### Product Selection

#### LEDline<sup>2</sup> Recessed Flood 36 x LEDs – BVS733



Light Colour	Beam	Beam (°)	Weight (kg)	Power (w)	Controls	Order Code
AGB	Narrow	6	7.5	–	–	71592600
	Narrow	6	1.3	–	DALI	71594000
Blue	Narrow	6	6.832	–	–	71595700
	Narrow	6	7.092	–	DALI	71597100

### System Components

Accessories	Product	Order Code
	Empty Mounting Frame	97974800
Controls	Product	Order Code
(See page 524 for full list of controls)	ColourChaser DMX144	73089900
	ColourChaser Touch	80896300
	iPlayer3	70058599





# Direct view



176  
iColor Accent  
MX Powercore®



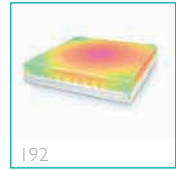
180  
iColorFlex  
LMX



184  
iColorFlex  
MX



188  
eW Flex  
SLX



192  
iColorTile  
MX 2.2



198  
VidiWall

# iColor Accent MX Powercore<sup>®</sup>

\_iColor<sup>®</sup> Accent MX Powercore is a direct view linear LED fixture ideally suited for creating long ribbons of color and color-changing effects

\_Flexible positioning

\_Over-molded, end-to end locking connectors supply both power and data

\_Exceptional viewing angles

\_Available in 2 ft and 4 ft lengths

\_Excellent colour uniformity

\_IP66-rated fixture meets the taxing requirements of outdoor and entertainment applications

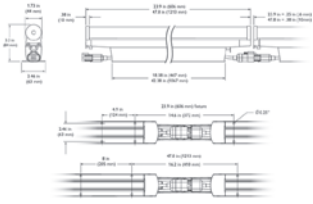
\_The extruded aluminum housing resists shock, vibration, and other forms of rough handling





## iColor Accent MX Powercore®

### Standard features



### Type

**BCP495**

### Light source

380 × LEDs 2'  
760 × LEDs 4'

### Light colour

RGB

### Power consumption

10 W per foot maximum at full output, steady state

### Power Supply

100 – 240 VAC, auto-switching, 50 / 60 Hz  
via Data Enabler Pro

### Materials and finishing

Housing: Sealed plastic and extruded aluminum  
Lens: Translucent plastic

### Lifetime

50,000 hours

### Classification code

UL / cUL, CE, IP66

### Remarks

Power/data supply and controls need to be ordered seperately

### Viewing angle

180°



## Product Selection

Type	Light Colour	Length	LEDs	Weight kg	Order code
BCP495 100xLED-LP/RGB 100-240V	 RGB	2ft	380	2	88417999
BCP495 200xLED-LP/RGB 100-240V	 RGB	4ft	760	4.2	88418699

## System Components

Accessories	Product	Description	Order Code
<b>Leader Cable</b>	ZCP494 C15250FL	50ft	71075599
<b>Jumper Cable</b>	ZCP494 C305FL	1ft	71076299
	ZCP494 C610FL	2ft	71079399
	ZCP494 C1525FL	5ft	71078699
	ZCP494 C3050FL	10ft	71077999
<b>Data Enabler Pro</b>	ZCX400 100-240V DATA ENABLER PRO EU		88324099

# iColor Flex LMX

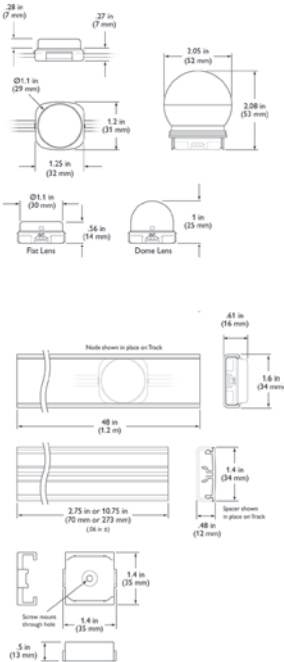
- \_iColor® Flex LMX is a flexible strand of large, high-intensity, full-color LED nodes designed for extraordinary effects and expansive installations without the constraints of fixture size or shape
- \_Each iColor Flex LMX strand consists of 50 individually addressable LED nodes, featuring dynamic integration of power, communication, and control
- \_Flexible form factor allows unique, cost-effective lighting installations, including two and three dimensional video displays
- \_Works seamlessly with the complete Philips line of controllers, including Video System Manager, Light System Manager, and iPlayer 3, as well as third-party DMX
- \_Single node mounts can be positioned individually to support complex geometries. Standard 50-node lengths can be shortened in the field
- \_Strands can be mounted to a surface, like traditional string lights, and on tracks to ensure straight linear runs. Snap-on spacers hide cabling and mounting hardware
- \_Durable and weather-resistant
- \_Fully sealed for maximum fixture life and IP66-rated for outdoor applications





## iColor Flex LMX

### Standard features



### Type

BGC493

### Light colour

RGB

### Power consumption

50W max at full intensity per 50 nodes

### Power supply

24V DC

### Materials and finishing

White or black polycarbonate

### Operating temp.

-20 deg to 50 deg

### Lifetime

50000 hours

### Classification code

IP 66, UL / cUL, CE

### Remarks

Power/data supply and controls need to be ordered separately

### Number of LEDs per pixel

3

### Number of RGB pixels per string

50

### Luminous intensity per pixel

6.56cd full on

### Viewing angle

92 deg - 260 deg

### Lenses




Clear flat lens, Translucent dome, Clear marquee, Semi-frosted marquee, Translucent marquee

### Pixel Pitch

102mm (4"), 305mm (12")  
Custom spacing from 51mm (2") to 610mm (24") available



## Product Selection

Type	Light Colour	String Colour	Pixel Pitch (") (°)	Beam	Lens	Order Code
BGC493 50xLED-MD/RGB 24V 115 CLFT4 BK	 RGB	Black	4	115	Clear Flat	70243599
BGC493 50xLED-MD/RGB 24V 115 CLFT12 BK	 RGB	Black	12	115	Clear Flat	70244299
BGC493 50xLED-MD/RGB 24V 115 CLFT4 WH	 RGB	White	4	115	Clear Flat	70245999
BGC493 50xLED-MD/RGB 24V 115 CLFT12 WH	 RGB	White	12	115	Clear Flat	70246699
BGC493 50xLED-MD/RGB 24V 145 TSDM4 BK	 RGB	Black	4	145	Translucent Dome	70247399
BGC493 50xLED-MD/RGB 24V 145 TSDM12 BK	 RGB	Black	12	145	Translucent Dome	70248099
BGC493 50xLED-MD/RGB 24V 145 TSDM4 WH	 RGB	White	4	145	Translucent Dome	70249799
BGC493 50xLED-MD/RGB 24V 145 TSDM12 WH	 RGB	White	12	145	Translucent Dome	70250399

## System Components

Accessories	Product	Description	Order Code
<b>Power Supply</b>	ZCX400 SPDS-480CA 24V-480W 8PORTS		71099100
	ZCX400 PDS-60CA 24V		71084799
	ZCX400 PDS-60CA 24V DMX		71560699
	ZCX400 PDS-60CA 24V ETHER		71561399
	ZCX400 SPDS-60CA 24V-60W		71095399
<b>Mounting Tracks</b>	ZGC491 RA WH	4ft white	71033599
	ZGC491 RA BK	4ft black	71034299
<b>Track Spacers</b>	ZGC491 SPA-4 (50PCS)	4inch white	71037399
	ZGC491 SPA-4 BK (50PCS)	4inch black	71041099
	ZGC491 SPA-12 (50PCS)	12inch white	71038099
	ZGC491 SPA-12 BK (50PCS)	12inch black	71042799
<b>Single Node Holder</b>	ZGC491 NH WH (50PCS)	white	71035999
	ZGC491 NH BK (50PCS)	black	71036699
<b>Marquee Lens Kits</b>	ZGC493 FIX PCC WH (50PCS)	Clear lens white	79251100
	ZGC493 FIX PCC BK (50 PCS)	Clear lens black	79252800
	ZGC493 FIX PCO WH (50 PCS)	Semi-frosted lens white	79253500
	ZGC493 FIX PCO BK (50 PCS)	Semi-frosted lens black	79409600
	ZGC493 FIX PCF WH (50 PCS)	Translucent lens white	79410200
	ZGC493 FIX PCF BK (50 PCS)	Translucent lens black	79411900

# iColor Flex MX

- \_iColor® Flex MX is a multi-purpose, high-intensity strand of 50 full-color LED nodes for generating extraordinary effects without the constraints of fixture size or shape
- \_iColor Flex MX enables patterns and video on almost any interior or exterior surface, including ceilings, floors, three-dimensional objects, sculptures, and more
- \_Small node size allows installation in tighter spaces than the larger iColor Flex LMX strand
- \_Works seamlessly with the complete Philips line of controllers, including Video System Manager, Light System Manager, iPlayer 3, as well as third-party DMX
- \_Strands can be mounted to a surface, like traditional string lights, and on tracks to ensure straight linear runs. Snap-on spacers hide cabling and mounting
- \_Single node mounts can be positioned individually to support complex geometries. Standard 50-node lengths can be shortened in the field
- \_Durable and weather-resistant - Fully sealed for maximum fixture life and IP66-rated for outdoor applications
- \_**Optibin®** – Production process that ensures light output and colour consistency














## Product Selection

Type	Light Colour	String Colour	Pixel Pitch (")	Lens	Order Code
BGC492 50xLED-MD/RGB 7.5V 120TSDM4 WH	 RGB	White	4	Translucent Dome	70251099
BGC492 50xLED-MD/RGB 7.5V 120TSDM12 WH	 RGB	White	12	Translucent Dome	70252799
BGC492 50xLED-MD/RGB 7.5V 120TSDM4 BK	 RGB	Black	4	Translucent Dome	70253499
BGC492 50xLED-MD/RGB 7.5V 120TSDM12 BK	 RGB	Black	12	Translucent Dome	70254199
BGC492 50xLED-MD/RGB 7.5V 120 CLDM4 WH	 RGB	White	4	Clear Dome	70255899
BGC492 50xLED-MD/RGB 7.5V 120 CLDM12 WH	 RGB	White	12	Clear Dome	70256599
BGC492 50xLED-MD/RGB 7.5V 120 CLDM4 BK	 RGB	Black	4	Clear Dome	70257299
BGC492 50xLED-MD/RGB 7.5V 120 CLDM12 BK	 RGB	Black	12	Clear Dome	70258999

## System Components

Accessories	Product	Description	Order Code
<b>Power Supply</b>	ZCX400 PDS-60CA EXP CARD		71082399
	ZCX400 PDS-60CA 7.5V DMX/ ETHER		71083099
	ZCX400 SPDS-480CA 7.5V-480W 16PORTS		71096000
<b>Mounting Tracks</b>	ZGC490 RA WH	4ft white	71004599
	ZGC490 RA BK	4ft black	71005299
<b>Track Spacers</b>	ZGC490 SPA-4 WH (50 PCS)	4inch white	71019999
	ZGC490 SPA-4 BK (50 PCS)	4inch black	71020599
	ZGC490 SPA-12 WH (50 PCS)	12inch white	71021299
	ZGC490 SPA-12 BK (50 PCS)	12inch black	71022999
<b>Single Node Holder</b>	ZGC490 SH WH (50PCS)	white	71014499
	ZGC490 SH BK (50PCS)	black	71015199

# eW Flex SLX

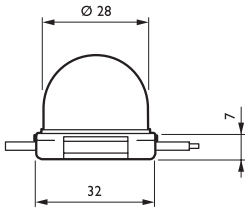
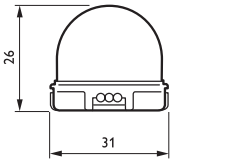
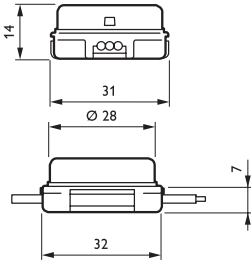
- \_A versatile strand of 50 individually controllable white light LED nodes
- \_Standard 50-node lengths can be shortened in the field. Custom node lengths are available
- \_Each node can be individually controlled
- \_Works seamlessly with the complete Philips line of controllers, including Video System Manager, Light System Manager, and iPlayer 3, as well as third-party DMX
- \_Both clear and translucent dome lenses available, in warm 2700 K or cool 4200K
- \_Optional marquee lenses, available in clear, translucent, and semifrosted. Snap onto flat-lens nodes creates the appearance of a traditional theatre marquee.
- \_Custom housing colors available in addition to standard white
- \_Strands can be mounted to a surface, like traditional string lights, and on tracks to ensure straight linear runs. Snap-on spacers hide cabling and mounting
- \_IP66 rating makes the eW Flex SLX strand suitable for dry, damp and wet environments
- \_**Optibin**<sup>®</sup> – Production process that ensures light output and colour consistency





## eW Flex SLX

### Standard features



Clear Flat



Translucent dome

### Type

**BGC480**

### Light colour

2700K or 4200K

### Power consumption

50W max at full intensity per 50 nodes

### Light Supply

24V DC

### Materials and finishing

Polycarbonate housing and lens, white finish

### Installation

Surface mounted, through hole mounted

### Operating temp.

-40 deg > Ta > 50 deg

### Lifetime

30,000 to 50,000 hours

### Accessories

Spread lenses and trim ring (to hold each lens on the product)  
Honeycomb louvre and trim ring (to hold louvre on the product)  
Glare shield 45° and full glare shield

### Main applications

Architectural, Accent Lighting

### Classification code

IP 66, UL / cUL, CE

### Remarks

Power/data supply and controls need to be ordered separately

### Number of LEDs per pixel

5

### Number of RGB pixels per string

50

### Luminous intensity per pixel

5.99cd (full on)

### Viewing angle

94 deg - 260 deg

### Lenses

Clear flat, Semi-frosted dome, Translucent dome, Clear marquee, Semi-frosted marquee, Translucent marquee

### Pixel Pitch

102mm (4"), 305mm (12")  
Custom spacing available



## Product Selection

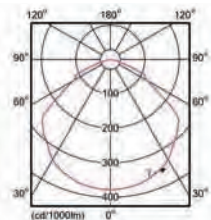
Type	Light Colour	Pixel Pitch (")	Beam Lens (°)	Order Code
BGC480 50xLED-MD/WW 24V 115 CLFT4 WH	● Warm White (2700 K)	4	115	Clear flat 71165399
BGC480 50xLED-MD/WW 24V 280 CLDM4 WH	● Warm White (2700 K)	4	280	Translucent dome 71164699
BGC480 50xLED-MD/NW 24V 115 CLFT4 WH	○ Neutral White (4000 K)	4	115	Clear flat 71169199
BGC480 50xLED-MD/NW 24V 280 TSDM4 WH	○ Neutral White (4000 K)	4	280	Translucent dome 71168499
BGC480 50xLED-MD/WW 24V 115 CLFT12 WH	● Warm White (2700 K)	12	115	Clear flat 71166099
BGC480 50xLED-MD/WW 24V 280 TSDM12 WH	● Warm White (2700 K)	12	280	Translucent dome 71167799
BGC480 50xLED-MD/NW 24V 115 CLFT12 WH	○ Neutral White (4000 K)	12	115	Clear flat 71170799
BGC480 50xLED-MD/NW 24V 280 TSDM12 WH	○ Neutral White (4000 K)	12	280	Translucent dome 71171499

## System Components

Accessories	Product	Description	Order Code
<b>Power Supply</b>	ZCX400 SPDS-480CA 24V-480W 8PORTS		71099100
	ZCX400 PDS-60CA 24V		71084799
	ZCX400 PDS-60CA 24V DMX		71560699
	ZCX400 PDS-60CA 24V ETHER		71561399
	ZCX400 SPDS-60CA 24V-60W		71095399
	ZCX400 PS-96 24V		71098499
<b>Mounting Tracks</b>	ZGC491 RA WH		71033599
<b>Track Spacers</b>	ZGC491 SPA-12 (50PCS)		71038099
	ZGC491 SPA-4 (50PCS)		71037399
<b>Single Node Holder</b>	ZGC491 NH WH (50PCS)		71035999
<b>In-line on/off adapter</b>	ZGC480 IN-LINE ON/OFF ADAPTER		71057199
<b>Marquee Lens Kits</b>	ZGC493 FIX PCC WH (50PCS)	Lens kit clear, white	79251100
	ZGC493 FIX PCF WH (50 PCS)	Lens kit translucent, white	79410200
	ZGC493 FIX PCO WH (50 PCS)	Lens kit semi-fosted, white	79253500

## Polar Intensity Diagram (For further Photometric data please contact our technical department)

eW Flex SLX 115°  
 2700K BGC480  
 Lamp: 1 x 5 LEDs  
 Luminaire Lumens: 1 x 9



☎ For further information call 01483 293 258

# iColorTile MX 2.2

\_iColor®Tile MX is a full-color LED light panel for creating stunning light art and accents in a variety of surface-mounted and recessed applications

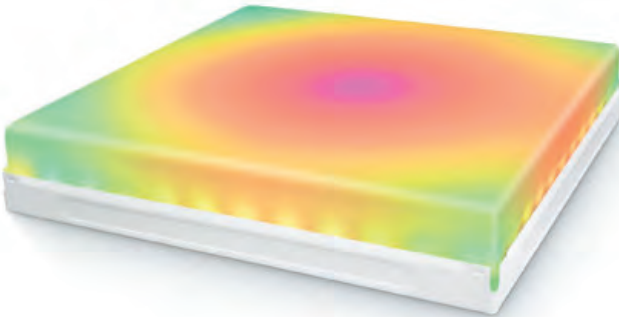
\_Each panel has 144 individually addressable nodes to enable an infinite variety of effects at an unprecedented level of fine-grained control and intricacy

\_iColorTile MX is a base unit for indoor applications, ideal for wall and ceiling installations. Install behind a custom panel, or use the available impact-resistant, translucent white diffuser lens for seamless, uniform optical effects

\_Optibin®, our proprietary binning optimization process, ensures optimal color consistency from fixture to fixture

\_Designed for recess and surface mounting on walls or ceilings. Capable of retrofitting ceiling tiles

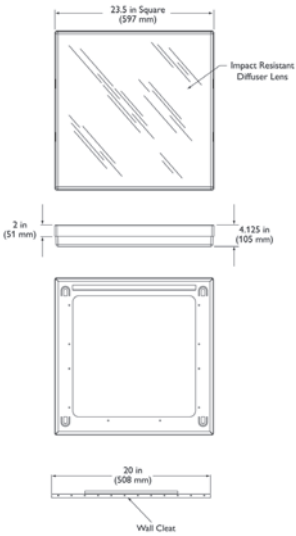
\_Works with Philips full range of controllers, including Video System Manager, Light System Manager, iPlayer 3®, or third-party DMX and Ethernet controllers





## iColor Tile MX2.2

### Standard features



### Type

BCG494

### Light colour

Tri-colour: red, green, blue (RGB)

### Power consumption

62 W maximum at full output, steady state

### Power supply

7.5 VDC

### Materials and finishing

Sheet metal housing with white powder-coated finish.

### Operating temp.

-20 deg to 50 deg

### Lifetime

50000 hours

### Classification code

IP20, UL / cUL, CE, PSE

### Remarks

Power/data supply and controls need to be ordered separately.



## Product Selection

---

Type	Light Colour	Power	Order Code
BCG494 144xLED-MD/RGB 7,5V 120	 RGB	62W	88004100

---

## System Components

---

Accessories	Product	Description	Order Code
<b>Lens</b>	ZCG493 O	White translucent lens	70032599
<b>Leader Cables</b>	ZGC494 C7620	25ft	70598699
	ZGC494 C15240	50ft	88000399
	ZGC494 C30480	100ft	88002799
<b>Power Supply</b>	ZCX400 PDS-60CA EXP CARD		71082399
	ZCX400 PDS-60CA 7.5V DMX/ ETHER		71083099
	ZCX400 SPDS-480CA 7.5V-480W 16PORTS		71096000
<b>Controls</b>	SSLCTR LRC9628 IPLAYER3 EU (100-240V)		70058599
	CCTCTR LRC9611 COLOURCHASER TOUCH (48V)		80896300
	ZGC490 SH BK (50PCS)	black	71015199

# VidiWall

## Digital Signage

- \_Fixed 120" LED Monitor
- \_Available in pitch sizes – 4mm, 6mm & 10mm
- \_Low Power Consumption
- \_Low maintenance, High reliability
- \_Integral video processor
- \_13A Operation
- \_Available Options: Lifting Eyes, Wall Mount, Content Control Software

## Digital Signage

---

<b>Standard features</b>	<b>Brightness</b>	2000 NIT
	<b>Viewing angle</b>	Horizontal 150°
		Vertical degrees +/-75°
	<b>Ingress protection</b>	Front IP20
		Rear IP20
	<b>Colour temperature</b>	6500K
	<b>Operating temp.</b>	+5 to +35°C
	<b>Operating humidity range</b>	0 to 95%
	<b>Refresh rate</b>	>150 Typical Hz
	<b>Lifetime (half brightness)</b>	>100,000 Hours
	<b>Grey scale</b>	16 Bit
	<b>Colour resolution</b>	48 Bit
	<b>LED type</b>	SMD 3 in 1
<b>Compliance</b>	CE, FCC, ROHS	
<b>Input formats</b>	CVBS, S-VHS (Y/C), DVI, SDI	



# VidiWall

## Indoor Screens

- \_Specifically designed for long term usage
- \_Low Power Consumption
- \_Low maintenance, High reliability
- \_Available in sizes 5m<sup>2</sup> – 250m<sup>2</sup>
- \_Available in pitch sizes – 6mm, 10mm & 12mm
- \_Available Options: Structural Framework, Audio, Content Control Software

## Indoor Screens

---

<b>Standard features</b>	<b>Brightness</b>	2000 NIT
	<b>Viewing angle</b>	Horizontal 140°
		Vertical +/-70°
	<b>Ingress protection</b>	Front IP30
		Rear IP30
	<b>Colour temp.</b>	6500K
	<b>Operating temp.</b>	-5 to +40°C
	<b>Operating humidity range</b>	0 to 85%
	<b>Refresh rate</b>	>500 Typical Hz
	<b>Lifetime (half brightness)</b>	>60,000 Hours
	<b>Grey scale</b>	13 Bit
	<b>Colour resolution</b>	39 Bit
	<b>LED type</b>	SMD 3 in 1
<b>Compliance</b>	CE, FCC, ROHS	
<b>Input formats</b>	CVBS, S-VHS (Y/C), DVI, SDI	





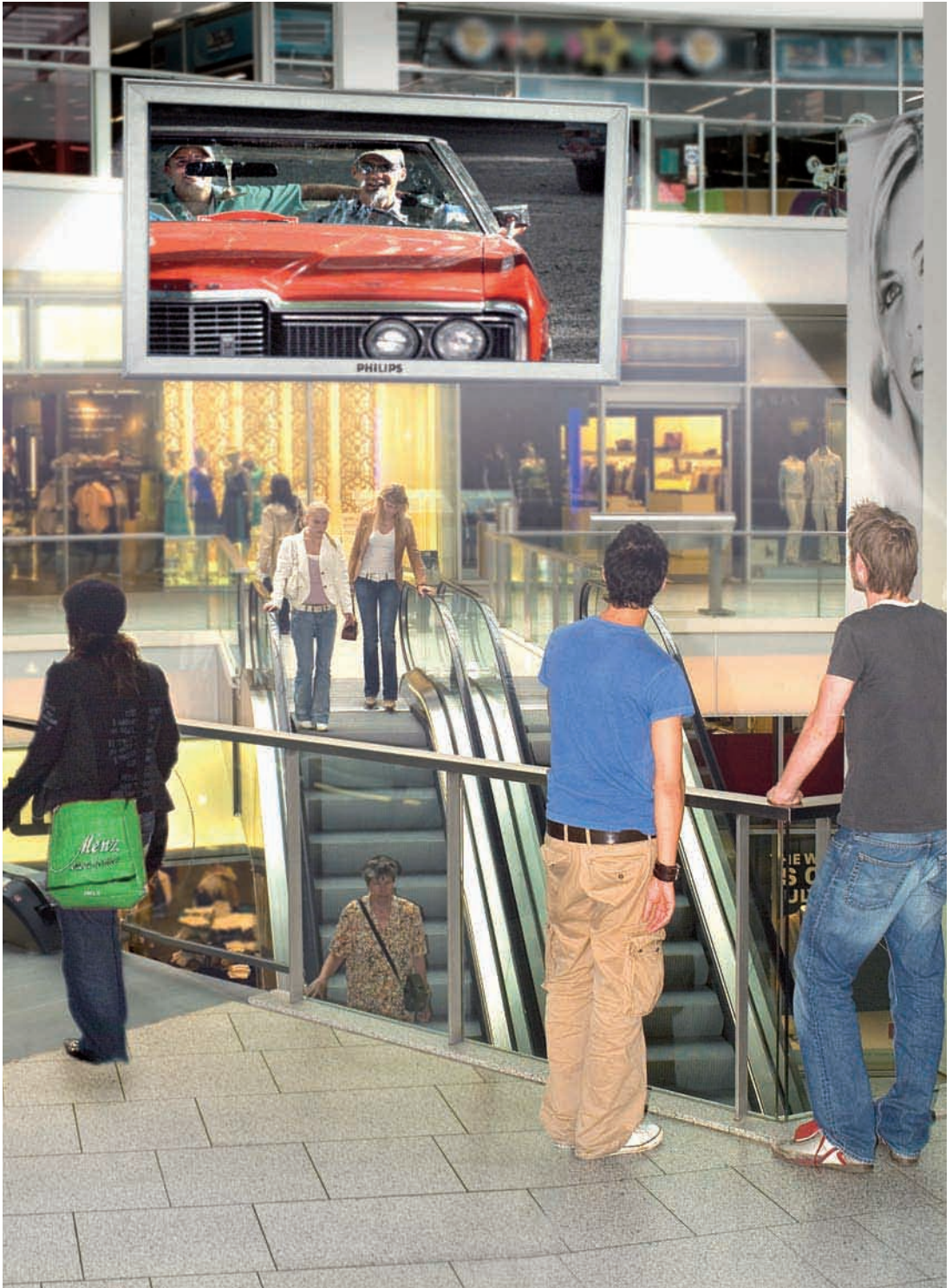
# VidiWall Range

## Indoor Modular LED

- \_Environmentally friendly, low power consumption and high brightness
- \_Top grade, selected, LEDs for optimum colour and brightness uniformity
- \_Temperature controlled fans to minimise audible noise







## Indoor Modular LED

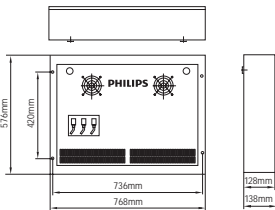
### Standard features

Type	DA 6- 2000 S DA 10- 2000 S DA 12- 2000 S
<b>Brightness</b>	2000cd/m2
<b>Viewing angle</b>	Horizontal 140° Vertical +/-70°
<b>Colour temperature</b>	6500K
<b>Refresh rate</b>	100Hz
<b>Display screen type</b>	Lighting controls: Philips full line of DMX controllers
<b>Grey scale</b>	13 bit
<b>Colour resolution</b>	39 bit
<b>LED lifetime</b>	>60,000 hours
<b>Operarting temperature</b>	-5° to +40°C
<b>Operating humidity range</b>	10 to 85%
<b>Refresh rate</b>	>500 Typical H <sub>3</sub>
<b>Approvals</b>	CE, FCC, ROHS
<b>LED type</b>	SMD 3 in 1
<b>Ingress protection</b>	IP 30

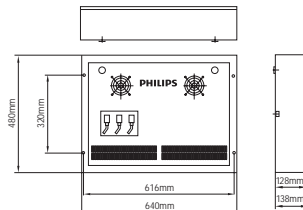
### Product Selection

	Display area (m <sup>2</sup> )	Weight (kg)	Width (mm)	Height (mm)	Depth (mm)
<b>DA 6-2000 S</b>	0.442	17.8	768	576	143
<b>DA 10- 2000 S</b>	0.31	12.5	640	480	138
<b>DA 12- 2000 S</b>	0.442	17.8	768	576	143

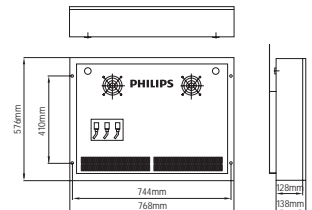
#### DA 6-2000 S



#### DA 10-2000 S



#### DA 12-2000 S





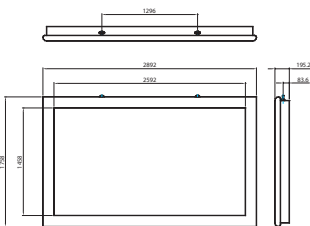
## Indoor Fixed LED

Standard features	Type	<b>Candeo 4 I20i- VWL015</b> <b>Candeo 6 I20i- VWL025</b> <b>Candeo 10 I20i- VWL035</b>
<b>Brightness</b>		1200cd/m <sup>2</sup> (Candeo 4 I20i- VWL015) 2000cd/m <sup>2</sup> (Candeo 6 I20i- VWL025 and Candeo 10 I20i VWL035)
<b>Viewing angle</b>		Horizontal 150° Vertical +50°
<b>Colour temperature</b>		6500K
<b>Refresh rate</b>		100Hz
<b>Display screen type</b>		3 in 1 SMD LED
<b>Grey scale</b>		15 bit
<b>Colour resolution</b>		45 bit
<b>LED lifetime</b>		>100000 hours
<b>Ingress protection</b>		IP 20

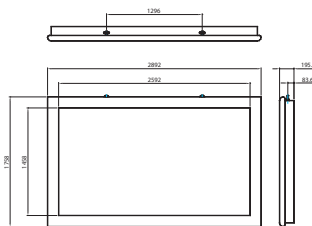
## Product Selection

	Weight (kg)	Width (mm)	Height (mm)	Depth (mm)
<b>Candeo 4 I20i- VWL014</b>	394	2892	1758	195
<b>Candeo 6 I20i- VWL025</b>	363	2892	1758	195
<b>Candeo 10 I20i- VWL035</b>	350	2892	1758	195

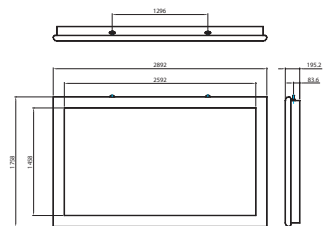
**Candeo 4- I20i – VWL015**



**Candeo 6- I20i – VWL025**



**Candeo 10- I20i – VWL035**



# VidiWall

## Outdoor Screens

- \_Specifically designed for long term usage
- \_Low Power Consumption
- \_Low maintenance, High reliability
- \_Available in sizes 5m<sup>2</sup> – 250m<sup>2</sup>
- \_Available in pitch sizes – 10mm, 12mm, 16mm, 20mm, 25mm & 32mm
- \_Available Options: Structural Framework, Audio, Content Control Software

## Outdoor Screens

---

### Standard features

<b>Brightness</b>	5000 NIT
<b>Viewing angle</b>	Horizontal 140° Vertical 50°
<b>Ingress protection</b>	Front IP65 Rear IP44/65
<b>Colour temp.</b>	6500K
<b>Operating temp.</b>	-20 to +50°C
<b>Operating humidity range</b>	0 to 95%
<b>Refresh rate</b>	> 150 Typical Hz
<b>Lifetime (half brightness)</b>	>70,000 Hours
<b>Grey scale</b>	16 Bit
<b>Colour resolution</b>	48 Bit
<b>LED type</b>	5mm, oval lamp
<b>Compliance</b>	CE, ETL, FCC
<b>Input formats</b>	CVBS, S-VHS (Y/C), DVI, SDI



Lighting Design:  
\_Pitchside advertising  
banner at Chelsea FC

# VidiWall Range

## Outdoor Modular LED

- \_Environmentally friendly, low power consumption and high brightness
- \_Fully weatherproof, low maintenance, closed cabinet (IP65) for increased reliability
- \_Top grade, selected, LEDs for optimum colour and brightness uniformity
- \_Temperature controlled fans to minimise audible noise
- \_Ultra High Brightness (UHB) 10,000 units (DA12-25)





## Outdoor Modular LED

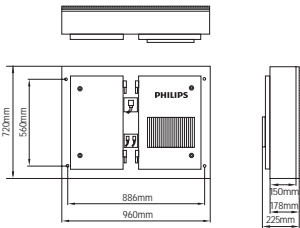
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<b>Standard features</b>	<b>Type</b>	<b>DA 10-5000 S</b> <b>DA 12-5000 S</b> <b>DA 16-5000 S</b> <b>DA 20-5000 S</b> <b>DA 25-5000 S</b>
	<b>Brightness</b>	5000cd/m <sup>2</sup>
	<b>Viewing angle</b>	Horizontal 120° Vertical +/-25° (DA 10-5000 S, DA 12-5000 S and DA 16-5000 S) Horizontal 120° Vertical +/-25° (DA 25- 5000 S) Horizontal 120° Vertical +17° /-33° (DA 20-5000 S)
	<b>Colour temperature</b>	6500K
	<b>Operating temperature</b>	-20° to +50°
	<b>Operating humidity range</b>	10 to 95%
	<b>Refresh rate</b>	>800Hz
	<b>Grey scale</b>	16 bit (DA 20-5000 S) 15 bit (DA 25-5000 S and DA 16-5000 S) 13 bit (DA 12-5000 S) 12 bit (DA 10-5000 S)
	<b>Colour resolution</b>	48 bit (DA 16-5000 S, DA 20-5000 S and DA 25-5000 S) 39 bit (DA 10-5000 S and DA 12-5000 S)
	<b>LED lifetime</b>	>70000 hours
	<b>Approvals</b>	CE, FCC, ROHS
	<b>LED type</b>	3mm lamp (DA 10-5000 S and DA 16-5000 S) 5mm lamp (DA 20-5000 S and DA 25- 5000 S)
	<b>Ingress protection</b>	<span style="border: 1px solid black; padding: 2px;">IP65</span>

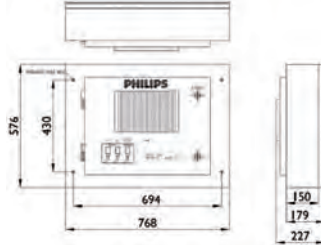
## Product Selection

	Display area (m <sup>2</sup> )	Weight (kg)	Width (mm)	Height (mm)	Depth (mm)
<b>DA 10- 5000 S</b>	0.69	43.5	960	178	720
<b>DA 12- 5000 S</b>	0.44	28	768	179	576
<b>DA 16- 5000 S</b>	0.786	49.5	1024	183	768
<b>DA 20- 5000 S</b>	1.23	77.4	1280	183	960
<b>DA 25- 5000 S</b>	0.64	40	800	179	800

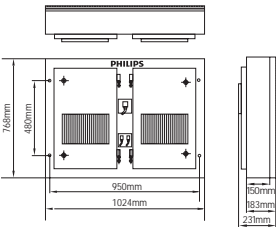
### DA 10-5000 S



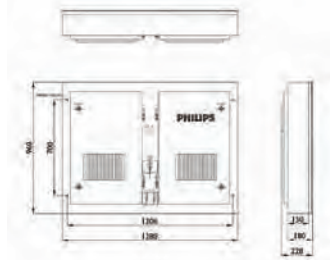
### DA 12-5000 S



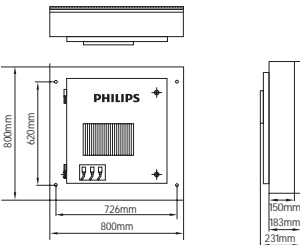
### DA 16-5000 S



### DA 20-5000 S



### DA 25-5000 S



## Outdoor Modular LED

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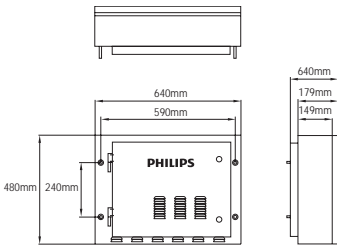
Standard features	Type	<b>DS 10-5000 S</b> <b>DS 20-5000 S</b> <b>DS 25-5000 S</b> <b>DS 25-5000 P</b>
	<b>Brightness</b>	5000cd/m <sup>2</sup>
	<b>Colour temperature</b>	6500K
	<b>Viewing angle</b>	Horizontal 90° Vertical +/-25° (DS 10-5000 S) Horizontal 120°, Vertical + / -25° (DS 20-5000 S, DS 25-5000 S, DS 25-5000 P)
	<b>Operating temperature</b>	-20° to +50°
	<b>Operating humidity range</b>	10 to 95%
	<b>Refresh rate</b>	>160 Hz (DS 10-5000 S) >350 Hz (DS 20-5000 S, DS 25-5000 S, DS 25-5000 P)
	<b>Grey scale</b>	14 bit (DS 10-5000 S) 16 bit (DS 20-5000 S, DS, 25-5000 S, DS 25-5000 P)
	<b>Colour resolution</b>	42 bit (DS 10-5000 S) 48 bit (DS 20-5000 S, DS, 25-5000 S, DS 25-5000 P) DS 25-5000 S DS 25-5000 P
	<b>LED lifetime</b>	>70000 hours
	<b>Approvals</b>	CE, ETL, FCC, ROHS
	<b>LED type</b>	3mm lamp (DS 10-5000 S) 5mm lamp (DS 20-5000 S, DS, 25-5000 S, DS 25-5000 P)
	<b>Ingress protection</b>	Front: IP65 Back: IP45



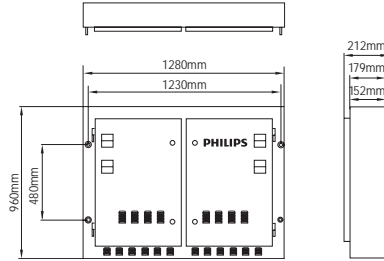
## Product Selection

	Display area (m <sup>2</sup> )	Weight (kg)
<b>DS 10-5000 S</b>	0.31	16
<b>DS 20-5000 S</b>	1.23	45
<b>DS 25-5000 S</b>	0.64	24
<b>DS 25-5000 P</b>	1.28	70

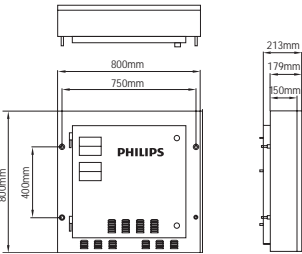
### DS 10-5000 S



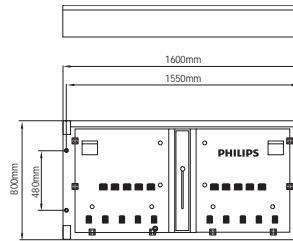
### DS 20-5000 S



### DS 25-5000 S



### DS 25-5000 P



# VidiWall Range

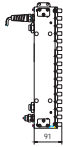
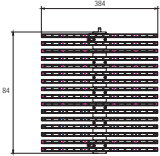
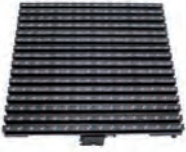
## Creative LED display technology

- \_Compose any shape and size of medium resolution media display
- \_Support playback of animations and full speed video at high image quality
- \_Lightweight and slim to enable installation on almost any surface
- \_Up to 80% transparency
- \_Top grade, selected LEDs for optimum colour and brightness uniformity
- \_Green product due to high energy efficiency



## Indoor/Outdoor Creative LED Display

### Standard features



### Type

**dMesh 24-5000**

**dMesh 24- 2000**

### Brightness

5000cd/m2 (24-5000)

2000cd/m2 (24-2000)

### Colour temperature

6500K

### Viewing angle

Horizontal: 120°, Vertical: -33/+17 (24-5000)

Horizontal and vertical 140° (24-5000)

### Operating temperature

-20 to +50° C (24-5000)

-20 to +40° C (24-2000)

### Operating humidity range

10 to 95%

### Refresh rate

>300 Hz

### Grey scale

16 bit

### Colour resolution

48 bit

### LED lifetime

>70000 hours (24-5000)

>50000 hours (24-2000)

### Approvals

CE, ETL, FCC, ROHS

### LED type

3mm oval lamp (24-5000)

3in1 SMD (24-2000)

## Product Selection

	Tile Area (m <sup>2</sup> )	Weight (mm)	Width (mm)	Height (mm)	Depth (mm)
<b>dMesh 24- 5000</b>	0.147	4.2	384	384	91
<b>dMesh 24- 2000</b>	0.147	5	384	384	91



## dTube

### Standard features



### Type

**Number of RGB pixels per tube**

**Colour resolution**

**Viewing angle**

**Operating temperature**

**Colour**

**Installation**

**Power supply**

**Material housing**

**Ingress protection**

**Lifetime**

**Dimensions**

**Weight**

**Approval**

**dTube 75mm pitch**

**dTube 100mm pitch**

16 (75mm tube)

12 (100mm tube)

48 bits

Horizontal: 120°

-20°C > ta >45° C

Black

Surface mounted

24V DC

Aluminium base with polycarbonate tube

IP66

50,000-70,000 hours

1200 x 35 x 36mm

830g

CE

### Product Selection

	<b>LEDs</b>	<b>Power consumption (max)</b>	<b>Luminous intensity (per pixel)</b>
<b>dTube 75mm pitch 2/075 pixel</b>	2 x 3 in I SMD	0.6W	4cd
<b>dTube 75mm pitch 4/075 pixel</b>	4 x 3 in I SMD	1.0W	8cd
<b>dTube 100mm pitch 2/100</b>	2 x 3 in I SMD	0.6W	4cd
<b>dTube 100mm pitch 4/100</b>	4 x 3 in I SMD	1.0W	8cd



# Contour / Cove lighting



218

iColor Cove  
EC



222

iColor Cove  
QLX



226

iColor Cove MX  
Powercore®



230

iW Cove MX  
Powercore®  
Gen2



234

eW Cove EC  
Powercore®



238

eW Cove  
QLX  
Powercore®



242

eW Cove MX  
Powercore®



246

eW Fuse  
Powercore®



250

eW Profile  
Powercore®

# iColor Cove EC

- \_Interior display surface mounted product for retail and hospitality
- \_Dynamic RGB lighting effects suited for alcove, accent areas and tight spaces
- \_End to end mounting for continuous streams of light to achieve curves or more complex geometries
- \_Low intensity
- \_Wide beam angle 120 x 120°
- \_2 Lengths, 30.5 & 17.8cm
- \_Philips Core Technologies used:
  - Chromacore®** – An unprecedented means for adding intelligence to LED illumination devices
  - Optibin®** – Production process that ensures light output and colour consistency

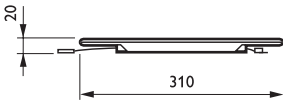






## iColor Cove EC

### Standard features



### Type

### BCX440

### Light source

30,5cm: 15 x LED-LP  
18cm: 9 x LED-LP

### Light colour

RGB

### Power supply

24V DC

### Power consumption

Max 2W

### Controls (optional)

Philips full line of DMX controllers

### Optic / cover

120° x 120°

### Operating temp.

-20°C > Ta > 50°C

### Lifetime

50,000 hours (50% lumen maintenance at Ta = 25°C)

### Materials and finishing

Housing: plastic

### Installation

Surface mounted, optional track

### Remarks

Power/data supply, cables and controls needed for proper functioning; to be ordered separately

### Main applications

Office, retail, hospitality

### Classification code



## Product Selection

### iColor Cove EC

### Low Intensity – BCX440

LEDs	Length (mm)	Beam (°)	Weight (kg)	Power (w)	Order Code
9	180	120 x 120	0.05	2	71003899
15	305	120 x 120	0.08	4	71002199



## System Components

Power Supply	Product	Fittings per supply	Order Code
	PDS-60ca 24V	40 (for 152mm) 20 (for 305mm)	71084799
	sPDS-60ca 24V	30 (for 152mm) 20 (for 305mm)	71095399

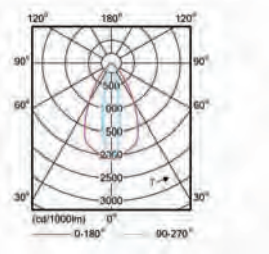
Cables	Product	Length (mm)	Order Code
	Leader Cable	9144	71061899
	Jumper Cable	305	71068799
	Jumper Cable	1525	71069499

Mounting Tracks	Product	Description	Length (mm)	Order Code
	Box of 25 Mounting Tracks	For straight runs	1219	27550500

Controls	Product	Order Code
<i>(See page 524 for full list of controls)</i>	i-Player3	70058599
	ColourChaser Touch	80896300
	Light System Manager	71442500
	Video System Manager	71443200
	<i>(Other third party DMX controllers will work with this product)</i>	

## Polar Intensity Diagram *(For further Photometric data please contact our technical department)*

iColor Cove MX  
20 x 60° RGB BCX450  
Lamp: 1 x 18 LEDs  
Luminaire Lumens: 1 x 93



# iColor Cove QLX

- \_Interior display surface mounted product for retail and hospitality
- \_Dynamic RGB lighting effects suited for alcove, accent areas and tight spaces
- \_End to end mounting for continuous mounting streams of light to achieve curves or more complex geometries
- \_Medium intensity luminaire
- \_Choice of different beam angles, 120° x 120 wide, 100° x 40 medium beam
- \_180° rotation
- \_2 Lengths, 30.5 & 15.2cm
- \_Philips Core Technologies used:
  - Chromacore®** – An unprecedented means for adding intelligence to LED illumination devices
  - Optibin®** – Production process that ensures light output and colour consistency
  - Chromatic®** – Rapid self addressing set up

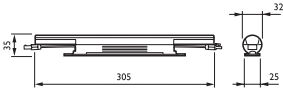






## iColor Cove QLX

### Standard features



### Type

### Light source

### Light colour

### Power supply

### Power consumption

### Controls (optional)

### Optic / cover

### Operating temp.

### Lifetime

### Materials and finishing

### Installation

### Adjustment

### Remarks

### Main applications

### Classification code

### BCX444

30.5cm: 30 x LED-HB

15.2cm: 15 x LED-HB

RGB

24V DC

30.5cm: Max 4W

15.2cm: Max 2W

Philips full line of DMX controllers

120° x 120°

100° x 40°

-20°C > Ta > 50°C

50,000 hours (50% lumen maintenance at Ta = 25°C)

Housing: plastic

Surface mounted, optional track

Adjustable mounting bracket; which provides 180° aiming rotation

Power/data supply, cables and controls needed for proper functioning; to be ordered separately

Office, retail, hospitality



## Product Selection

### iColor Cove QLX Medium Intensity – BCX444



LEDs	Length (mm)	Beam (°)	Weight (kg)	Power (w)	Order Code
15	152	120 x 120	0.05	2	71402999
15	152	100 x 40	0.08	2	71404399
30	305	120 x 120	0.15	4	71401299
30	305	100 x 40	0.15	4	71403699

## System Components

Power Supply	Product	Fittings per supply	Order Code
	PDS-60ca 24V	40 (for 152mm) 20 (for 305mm)	71084799
	sPDS-60ca 24V	30 (for 152mm) 20 (for 305mm)	71095399

Cables	Product	Length (mm)	Order Code
	Leader Cable	9144	71061899
	Jumper Cable	305	71068799
	Jumper Cable	1525	71069499

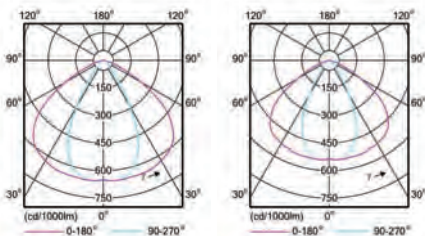
Mounting Tracks	Product	Description	Length (mm)	Order Code
	Box of 25 Mounting Tracks	For straight runs	1219	27550500

Controls	Product	Order Code
(See page 524 for full list of controls)	i-Player3	70058599
	ColourChaser Touch	80896300
	Light System Manager	71442500
	Video System Manager	71443200
	<i>(Other third party DMX controllers will work with this product)</i>	

## Polar Intensity Diagram (For further Photometric data please contact our technical department)

iColor Cove QLX RGB  
100 x 40° 30.5cm BCX444  
Lamp: 1 x 30 LEDs  
Luminaire Lumens: 1 x 41

iColor Cove QLX RGB  
100 x 40° 15.2cm BCX444  
Lamp: 1 x 15 LEDs  
Luminaire Lumens: 1 x 21

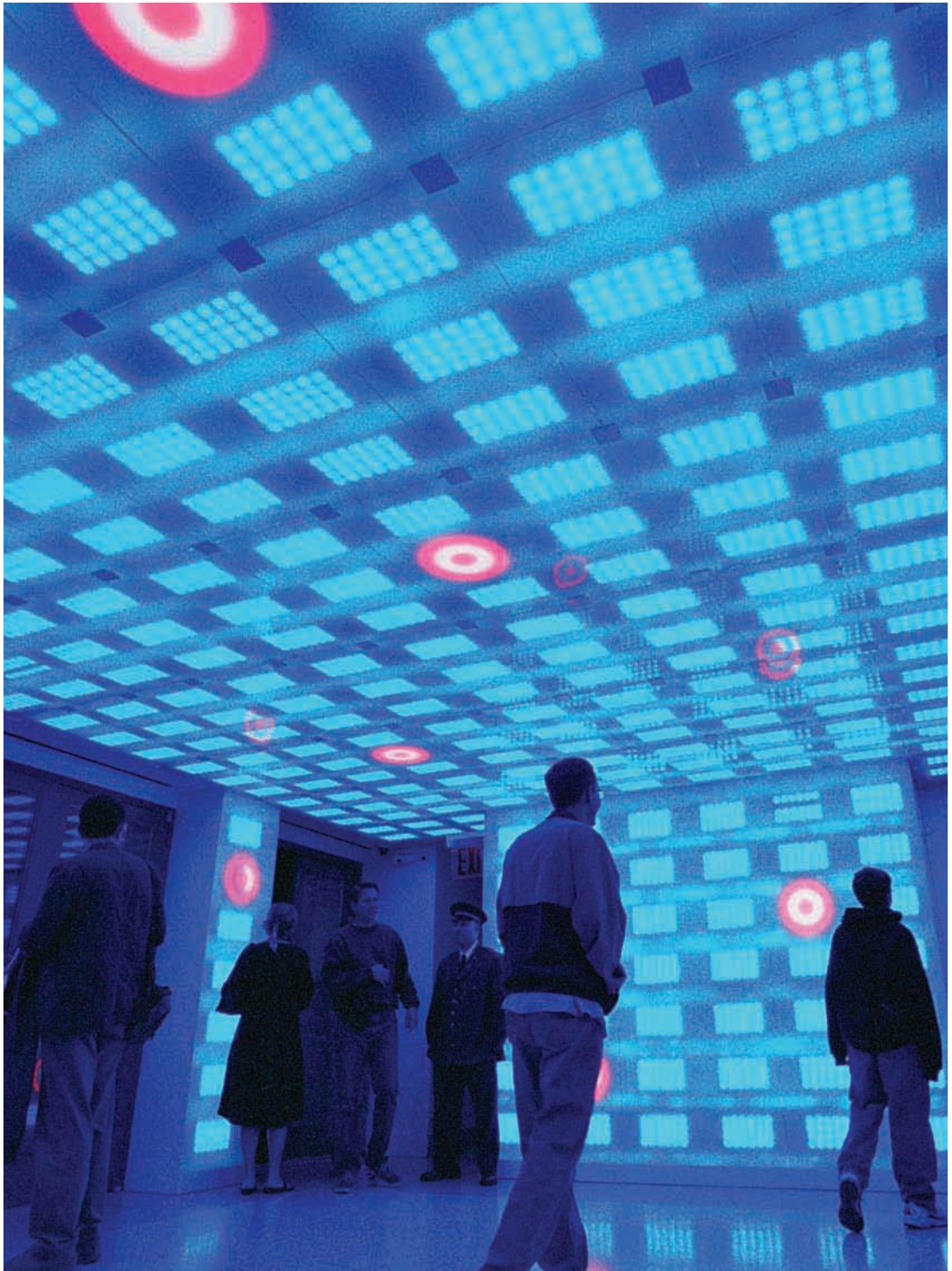


# iColor Cove MX Powercore®

- \_Interior display surface mounted product for retail and hospitality
- \_Dynamic RGB lighting effects suited for alcove, accent areas and tight spaces
- \_End to end mounting for continuous mounting streams of light to achieve curves or more complex geometries
- \_High intensity luminaire
- \_Choice of different beam angles, 70° x 70 wide, 20° x 60 medium
- \_180° rotation in 10° increments
- \_Philips Core Technologies used:
  - Powercore®** technology – Power and data combined, eliminating the need of an external power supply
  - Chromacore®** – An unprecedented means for adding intelligence to LED illumination devices
  - Optibin®** – Production process that ensures light output and colour consistency



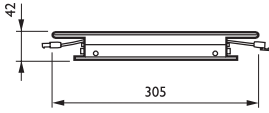




Project:  
\_Target Interactive Breezeway, New York  
Lighting designer:  
\_Electroland

## iColor Cove MX Powercore® Gen 2

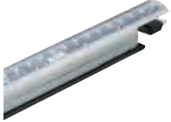
### Standard features



<b>Type</b>	<b>LS421</b>
<b>Light source</b>	18 x LED-HB
<b>Light colour</b>	RGB
<b>Power supply</b>	100-240V / 50-60Hz
<b>Power consumption</b>	12W (at full output)
<b>Controls (optional)</b>	Philips full line of DMX controllers
<b>Optic / cover</b>	70° x 70° 20° x 60°
<b>Operating temp.</b>	-20°C > Ta > 50°C
<b>Lifetime</b>	50,000 hours (50% lumen maintenance at Ta = 25°C)
<b>Materials and finishing</b>	Housing: powder coated aluminium
<b>Installation</b>	Surface mounted, optional track
<b>Adjustment</b>	180° rotation, with detents every 10°
<b>Remarks</b>	Data enabler, cables and controls needed for proper functioning; to be ordered separately
<b>Main applications</b>	Office, retail, hospitality
<b>Classification code</b>	<div style="display: inline-block; border: 1px solid black; padding: 2px;">IP 20</div> <span style="font-size: 2em; vertical-align: middle;">CE</span>

### Product Selection

#### iColor Cove MX Powercore® High Intensity – BCX450



Light Colour	Optic	Beam (°)	Weight (kg)	Power (w)	Order Code
RGB	Wide Beam	70 x 70	0,44	12	27551299
	Narrow Beam	20 x 60	0,44	12	27552999

### System Components

Cables	Product	Length (mm)	Order Code
	Leader Cable	12192	27553699
	Jumper Cable	305	27554399
	Jumper Cable	1525	27555099

Data Enablers	Product	Order Code
	Data Enabler DMX	27556799
	Data Enabler Ethernet	71053399

Controls	Product	Order Code
<i>(See page 524 for full list of controls)</i>	i-Player3	70058599
	ColourChaser Wheel	73088200
	ColourChaser Touch	80896300
	Light System Manager	71442500
	Video System Manager	71443200
<i>(Other third party DMX controllers will work with this product)</i>		





# iW Cove MX Powercore Gen 2

- \_Interior display product for retail and hospitality
- \_IntelliWhite series featuring colour temperature control from 3000-6500k
- \_Choice of beam angles from narrow, medium and forward throw asymmetric
- \_End to end locking connectors for continuous streams of light to achieve curves or more complex geometries
- \_Capable of 180° turns in 10° increments
- \_Philips Core Technologies used:
  - Powercore®** technology – Power and data combined, eliminating the need of an external power supply
  - Chromacore®** – An unprecedented means for adding intelligence to LED illumination devices
  - Optibin®** – Production process that ensures light output and colour consistency

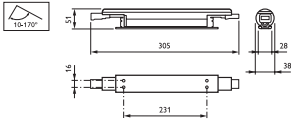






## iW Cove MX Powercore Gen 2

### Standard features



### Type

**LS425X iW Cove MX Powercore Gen2**

### Light colour

2700K - 6500K

### Power consumption

15W

### Driver

Powercore

### Optic

110 x 110

### Materials and finishing

Die cast aluminium and Polycarbonate lens

### Lifetime

50,000hrs, 70% lumen maintenance at T = 25c

### Colour Resolution

80

## Product Selection

---

Type	Light Colour	Weight	Version	Optic	Power	Housing Colour	Dimming	Order Code
<b>LS425X</b>	<input checked="" type="radio"/> 2700K Warm White to <input type="radio"/> 6500K Cool White	0.675	iW	110 x 110	15W	White	Powercore	79201699

---

## Accessories

---

Product	Length	Order Code
LS45 IZ C3050P WH CE	3050mm	79205499
LS45 IZ C1525P-M-FWH CE	1525mm	79203099
LS45 IZ C305P-M-FWH CE	305mm	79204799
ZCX450 RA L1220 BK Mounting track	1220mm	71138799

# eW Cove EC Powercore®

\_Interior and Display product for retail and hospitality.

\_Highly versatile, offering end to end mounting for continuous streams of light.

\_Two different colour temperatures available 2700K and 4000K.

\_Also available in Ecolor with Amber and Blue.

**Powercore®** technology – Power and data combined, eliminating the need for an external power supply supply

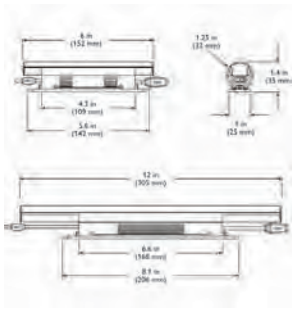






## eW Cove EC Powercore®

### Standard features



### Type

### BCX418 eW Cove EC Powercore

BCX417 eColor Cove

### Light colour

2700K, 4000K, Amber; Blue

### Power consumption

3W

### Driver

Powercore

### Optic

110 × 110

### Materials and finishing

Injection-molded plastic, dark-gray finish, Clear Polycarbonate lens

### Lifetime

50,000hrs, 70% lumen maintenance at T = 25c

### Colour Resolution

80

## Product Selection

Type	Light Colour	Weight	Version	Optic	Power	Housing Colour	Dimming	Order Code
<b>BCX418</b>	● Warm White (2700 K)	0.513	Kit	110 x 110	3W	Black	Powercore	88338799
	○ Neutral White (4000 K)	0.513	Kit	111 x 110	3W	Black	Powercore	88342499
	○ Neutral White (4000 K)	0.244	Standard	112 x 110	3W	Black	Powercore	88341799
	● Warm White (2700 K)	0.244	Standard	113 x 110	3W	Black	Powercore	88337099
<b>BCX417</b>	● Blue	0.244	Standard	114 x 110	3W	Black	Powercore	88329599
	● Amber	0.244	Standard	115 x 110	3W	Black	Powercore	88330199

## Accessories

Product	Length	Order Code
ZCX410 C3050P	3000mm	27547599
ZCX410 C1525P-M-F	1525mm	27549999
ZCX410 C305P-M-F	305mm	27548299
ZCX410 TERMINATOR (10PCS)		71512599
ZCX410 RA L1220 Mounting track		71582899

# eW Cove QLX Powercore®

- \_Interior display product for retail, hospitality and office applications
- \_Choice of 2800K, 3,000 & 4200K white light colour temperatures
- \_A maintenance free, cost effective, dimmable, high-luminance cove system
- \_End to end locking connectors for continuous streams of light to achieve curves or more complex geometries
- \_Capable of 180° rotation
- \_Can be installed into mounting clips or continuous profile track
- \_Choice of 2 sizes, 30.5 & 15.2cm
- \_Philips Core Technologies used:
  - Powercore®** technology – Power and data combined, eliminating the need for an external power supply
  - Optibin®** – Production process that ensures light output and colour consistency

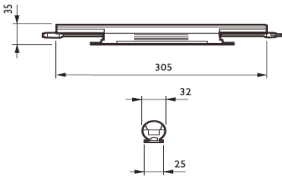






## eW Cove QLX Powercore®

### Standard features



### Type

**BCX416**

### Light source

LED-HB

### Light colour

Warm white, 2700 K  
Warm white, 3000 K  
Warm white, 3500 K  
Neutral white, 4000 K  
Red  
Green  
Blue  
Amber

### Power consumption

12 W, steady state

### Optic

Beam angles 10, 40, 110, 180°

### Material

Housing: polycarbonate

### Colour

White

### Lifetime

50,000 hours, 70% lumen maintenance at  $T_a = 25^\circ\text{C}$

### Classification codes



## Product Selection

eW Cove QLX Powercore®	Light Colour	Housing	Product Description	Beam	Order code
	● Warm white (2700K)	White	Single	110	70302999
	● Warm white (2700K)	White	Kit + 3.05m lead	110	70304399
	● Warm white (3000K)	White	Single	110	88018899
	● Warm white (3000K)	White	Kit + 3.05m lead	110	88020199
	● Warm white (3500K)	White	Single	110	88018899
	● Warm white (3500K)	White	Kit + 3.05m lead	110	88021899
	○ Neutral white (4000K)	White	Single	110	70303699
	○ Neutral white (4000K)	White	Kit + 3.05m lead	110	70305099
	● Red	White	Single	110	88014099
	● Green	White	Single	110	88015799
	● Blue	White	Single	110	88016499
● Amber	White	Single	110	88017199	

## AccessoriesCables

## Product Description

## Length

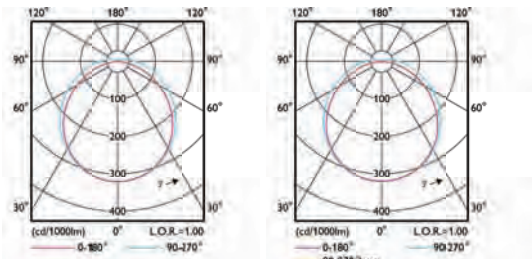
## Order code

White Jumper cable	30.5cm	70314299
White Jumper cable	1.52m	70315999
White Jumper cable	3.05m	70311199

## Polar Intensity Diagram (For further Photometric data please contact our technical department)

**Luminaire:** BCX414 6-LED-HB/  
WWW-3000K  
**Lampflux:** 1 x 242 lm  
**Measurement code:** ITL63583  
**Measurement date:** 2009-12-07  
**Measurement status:** Released  
**L.O.R. :** 1.00

**Luminaire:** BCX414 6-LED-HB/  
NW-4000K  
**Lampflux:** 1 x 273 lm  
**Measurement code:** ITL63585  
**Measurement date:** 2009-12-07  
**Measurement status:** Released  
**L.O.R. :** 1.00



☎ For further information call 01483 293 258

# eW Cove MX Powercore®

- \_Interior display product for retail, hospitality and office applications
- \_A maintenance free, cost effective, dimmable, high-luminance cove system
- \_Choice of 2700K, 3000K, 3500K & 4200K white light colour temperatures
- \_End to end locking connectors for continuous streams of light to achieve curves or more complex geometries
- \_Capable of 180° rotation
- \_Can be installed into mounting clips or continuous profile track
- \_Choice of 10, 40 | 110 & 180 beam angles (Use degree symbol)
- \_Highly versatile, offering end to end mounting for continuous streams of light
- \_Philips Core Technologies used:
  - Powercore®** technology – Power and data combined, eliminating the need for an external power supply
  - Optibin®** – Production process that ensures light output and colour consistency-Brings essential white lighting effects to alcoves, accent areas

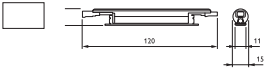






## eW Cove MX Powercore®

### Standard features



### Type

**BCX416**

### Light source

LED-HB

### Light colour

Warm white, 2700 K  
Warm white, 3000 K  
Warm white, 3500 K  
Neutral white, 4000 K

### Power consumption

12 W, steady state

### Optic

Beam angles 36°

### Material

Housing: polycarbonate

### Colour

White

### Lifetime

50,000 hours, 70% lumen maintenance at  $T_a = 25^\circ\text{C}$

### Classification codes



## Product Selection

### eW Cove MX Powercore®



#### Light Colour

- Warm white (2700K)
- Warm white (3000K)
- Warm white (3500K)
- Neutral White (4000K)

#### Housing

- White
- White
- White
- White

#### Beam

- 36
- 36
- 36
- 36

#### Order code

- 88130799
- 88131499
- 88132199
- 88133899

### Cables

#### Product

- ZCX416C3050PWH
- ZCX416C305P-M-FWH
- ZCX416C1525P-M-FWH

#### Length

- 3m
- 305mm
- 1.5m

#### Order code

- 88140699
- 88131499
- 88132199

### Terminator Pack

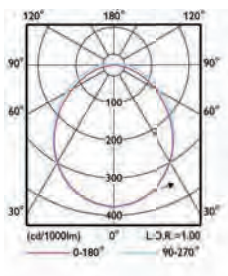
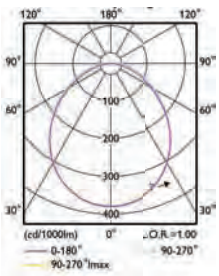
ZCX416 Terminator (10PCS)

88146899

## Polar Intensity Diagram (For further Photometric data please contact our technical department)

Luminaire : eW Cove MX  
Powercore® 10xLED/2700K  
110 Deg  
Lampflux : 10 x 53 lm  
Measurement code :  
ITL63482  
Measurement date :  
Measurement status :  
Unknown  
L.O.R. : 1.00

Luminaire : eW Cove MX  
Powercore® 10xLED/4000K  
110 Deg  
Lampflux : 10 x 63 lm  
Measurement code :  
ITL63485  
Measurement date :  
Measurement status :  
Unknown  
L.O.R. : 1.00



# eW Fuse Powercore

- \_eW Fuse Powercore is designed internal grazing applications
  - \_Highly versatile, offering end to end mounting for continuous streams of light
  - \_Offer four different colour temperatures 2700K, 3000K, 35000K and 4000K
  - \_Available in 10 degree and 30 degree
- Powercore®** technology – Power and data combined, eliminating the need for an external power supply supply

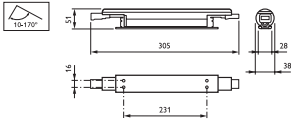






## eW Fuse Powercore

### Standard features



### Type

**LS515X eW Fuse Powercore**

### Light colour

2700K, 3000K, 3500K, 4000K

### Power consumption

13.5W

### Driver

Powercore

### Optic

10x60 degree and 30x60 degree

### Materials and finishing

Die cast aluminium and Polycarbonate lens

### Lifetime

50,000hrs, 70% lumen maintenance at T = 25c

### Colour Resolution

80

## Product Selection

Type	Light Colour	Weight	Version	Optic	Power	Housing Colour	Dimming	Order Code
<b>LS515X</b>	● Warm White (2700 K)	0.723	Fuse	Narrow	13.5W	White	Powercore	88431599
	● Warm White (2700 K)	0.723	Fuse	Medium	13.5W	White	Powercore	88435399
	● Warm White (3000 K)	0.723	Fuse	Narrow	13.5W	White	Powercore	88432299
	● Warm White (3000 K)	0.723	Fuse	Medium	13.5W	White	Powercore	88436099
	● Warm White (3500 K)	0.723	Fuse	Narrow	13.5W	White	Powercore	88433999
	● Warm White (3500 K)	0.723	Fuse	Medium	13.5W	White	Powercore	88437799
	○ Neutral White (4000 K)	0.723	Fuse	Narrow	13.5W	White	Powercore	88434699
	○ Neutral White (4000 K)	0.723	Fuse	Medium	13.5W	White	Powercore	88438499

## Accessories

Product	Weight	Length	Order Code
ZCX416 C3050P WH	0.447	3000mm	88140699
ZCX450 RA L1220 WH Mounting track	0.15	1220mm	79240599
ZCX416 C305P-M-F WH	0.096	305mm	88143799
ZCX416 C1525P-M-F WH	0.247	1500mm	88144499
ZCX416 TERMINATOR (10PCS)	0.108		88146899

# eW Profile Powercore®

\_Ideal for office, retail and hospitality

\_Illuminating under shelf / counter applications as well as desktops and display cases

\_Available in 2700K and 4000K colour temperatures

\_Easy installation by integrating power and data management

\_Low energy fitting

\_Philips Core Technologies used:

**Powercore®** technology – Power and data combined, eliminating the need for an external power supply

**Optibin®** – Production process that ensures light output and colour consistency

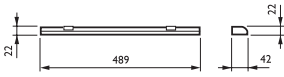






## eW Profile Powercore®

### Standard features



<b>Type</b>	<b>BCX411</b>
<b>Light source</b>	489mm: 10 x LED-HB
<b>Light colour</b>	Warm white: 2700K Neutral white: 4000K
<b>Power supply</b>	230V AC
<b>Power consumption</b>	489mm: 13W max at startup; 10W max steady state
<b>Controls (optional)</b>	Dimmable with suitable dimmers
<b>Effective length</b>	effective length includes cable connectors and terminator 10x LED: 533mm
<b>Optic/cover</b>	120 x 120°
<b>Operating temp.</b>	-20°C > Ta > 50°C
<b>Lifetime</b>	50,000 hours (70% lumen maintenance at Ta = 25°C)
<b>Materials and finishing</b>	Housing: powder coated aluminium
<b>Installation</b>	Surface mounted
<b>Remarks</b>	Leader cable needed for proper functioning to be ordered separately
<b>Main applications</b>	Office, retail, hospitality
<b>Classification code</b>	IP20 CE

### Product Selection

#### eW Profile Powercore® Kit Format – BCX413

(Kit includes 1 x eW Profile Powercore®, 1 x 3 metre leader cable, 1 terminator)



Light Colour	LEDs	Length (mm)	Beam (°)	Weight (kg)	Power (w)	Order Code
● Warm white (2700K)	10	489	120 x 120	0.45	13	70041799
○ Neutral White (4000K)	10	489	120 x 120	0.45	13	70044899

#### eW Profile Powercore® Standard – BCX413



Light Colour	LEDs	Length (mm)	Beam (°)	Weight (kg)	Power (w)	Order Code
● Warm white (2700K)	10	489	120 x 120	0.45	13	70035699
○ Neutral White (4000K)	10	489	120 x 120	0.45	13	70038799

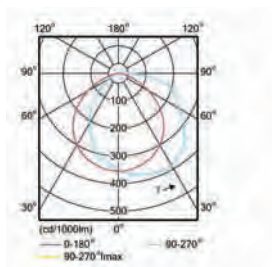
## System Components

Mounting Track	Product	Length (mm)	Order Code
	Mounting Track	229	71476000
	Mounting Track	483	71474600
	Mounting Track	991	71475300

Cables	Product	Length (mm)	Order Code
	Jumper Cable C152P-M-F	152	71468599
	Jumper Cable C305P-M-F	305	71469299
	Jumper Cable C457P-M-F	457	71470899
	Jumper Cable C1525P-M-F	1525	71471599
	Leader cable & terminator	3000	71467899
	Y' jumper cable & terminator	419	71472299
	end to end connector (set of 5)		70001199

## Polar Intensity Diagram

eW Profile Powercore®  
2700K 48.9cm BCX411  
Lamp: 1 x 10 white LEDs  
Luminaire Lumens: 1 x 275







# Downlights & Projectors



256  
LuxSpace



266  
LuxSpace  
Mini Square



270  
EssentialLED



284  
SpotLED  
Recessed



292  
SpotLED  
Surface



300  
SpotLED  
Gen 3



308  
Arctone



312  
3 Circuit Track



316  
UnicOne  
LED



320  
UnicOne  
Pendant Compact



324  
eW Downlight  
Powercore®



328  
Magneos LED



332  
StyliD



354  
DaySign  
Projector



358  
MASTER  
LEDlamps

# LuxSpace

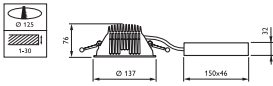
- \_Indoor LED downlight suitable for office, retail and hospitality, healthcare, airports
- \_Available in 3 sizes - Compact, Mini and Micro
- \_Replacement for conventional downlight applications using CFL or halogen equivalents
- \_Available in 3000K and 4000K white light colour temperatures
- \_Office compliant – UGR19 option
- \_Delivers consistent light output, stable colour performance and high colour rendering.
- \_Above 90% LOR
- \_Easy to install with a long lifetime – 50,000hrs
- \_Dali & emergency options available
- \_Available in white & grey housings





## LuxSpace Micro

### Standard features



### Type

**BBS470** (micro)

### Connection

Push-in connector (PI) or with pull relief (PIP)  
Wieland connector GST 18, 3 or 4 poles (W, W4)

### Material

Heat sink, bracket, reflector and front rim: aluminium  
Fixation: steel and polycarbonate  
Driver box: plastic

### Colour

White (WH) or grey (GR)

### Installation

Fixation by means of spring fasteners  
Operating temperature:  $-20^{\circ}\text{C} < T$   
Ambient temperature for max. performance  $25^{\circ}\text{C}$   
Integrated in independent driver box

### Lifetime

50.000 hours (70% lumen maintenance at T)

### Accessories

Ceiling support plate  
Protection glass (IP44 optical block)  
Adaptor ring 125 mm to 150 mm cut-out diameter

### Light source

DLED micro

### Light colour

Warm white, 3000 K  
Neutral white, 4000 K

### Power Consumption

11 W

### Mains voltage

240 V / 50 - 60 Hz

### Driver

Integrated in independent driver box

### Optic

High-gloss mirror  
Matt reflector

### Controls

Dali dimmable

### Options

Emergency lighting (integrated): 3 hours (EL3)  
Lighting controls: dimming (ELV)

### Main applications

Retail, shops, airports, hospitals, office, hospitality

### Classification Codes





## Product Selection

### LuxSpace Micro BBS470



Light Colour	Housing	Optic	Weight (kg)	Controls	Order code
● Warm white (3000K)	Grey	Gloss	0.62	Static	93296200
● Warm white (3000K)	White	Gloss	0.62	Static	93292400
● Cool White (4000K)	White	Gloss	0.62	Static	93293100
● Cool White (4000K)	Grey	Gloss	0.62	Static	93297900
● Warm white (3000K)	White	Gloss	0.62	Regulators	93294800
● Warm white (3000K)	Grey	Gloss	0.62	Regulators	93298600
● Cool White (4000K)	White	Gloss	0.62	Regulators	93295500
● Cool White (4000K)	Grey	Gloss	0.62	Regulators	93299300

### Reinforcing Frames

Product	Product Description	Weight (kg)	Order code
2BG 470	0125	5.40	93234400

### Adaptor Ring

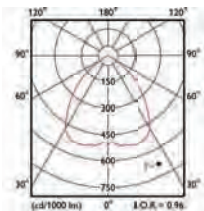
2BG 470	CFRNO 150WH	0.46	93235100
2BG 470	CFRNO 150GR	0.46	93236800

### Deco Accessory

2BG 470	SG-FRC Deco frosted glass	0.34	93237500
2BG 470	SG-HR-FR Halo frosted glass	0.34	93238200
2BG 470	SG-O-OPDI Glass	0.34	93239900

## Polar Intensity Diagram (For further Photometric data please contact our technical department)

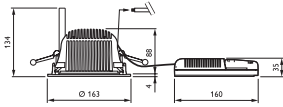
Luminaire : Luxspace BBS470  
 LuxSpace Micro 1x/4000K  
 UGR22  
 Lampflux : 1 x 700 lm



☎ For further information call 01483 293 258

## LuxSpace Mini

### Standard features



### Type

**BBS480**  
**BBS481 (Ring louvre)**

### Light source

1x LED-HB unit

### Light colour

Warm white, 3000K; Cool white 4000K

### Power consumption

19W

### Driver

220-240V / 50-60Hz

Integrated into remote driver box

### Optic

High-gloss mirror; UGR 22 (BBS480)

High-gloss mirror with ring louvre, UGR 19 (BBS481)

### Connection

Wieland (W) – optional

Push-in (PI) – as standard

### Option

Lighting controls: dimming by DALI

Emergency lighting

### Material

Heatsink, bracket, reflector and front rim: aluminium

Fixation: steel and polycarbonate

Driver box: steel

### Colour

White (WH) RAL9010 or grey (GR)

### Installation

Fixation by means of spring fasteners

### Operating temp.

-20°C < Ta < 35°C

### Lifetime

50,000 hours, 70% lumen maintenance at Ta = 25°C

### Accessories

Adaptor ring 150mm to 175mm cut-out diameter

### Main applications

Hospitality, office, retail

### Classification code



## Product Selection

LuxSpace Mini (UGR 22) 1 x LED – BBS480	Light Colour	Housing Colour	Weight (kg)	Dimmable	Order Code
	● Warm white (3000K)	White	1.01	No	68825200
	● Cool White (4000K)	White	1.01	No	68826900
	● Warm white (3000K)	Grey	1.01	No	68829000
	● Cool White (4000K)	Grey	1.01	No	68830600



LuxSpace Mini (UGR 22) 1 x LED – BBS480 Dali	Light Colour	Housing Colour	Weight (kg)	Dimmable	Order Code
	● Warm white (3000K)	White	1.01	Yes	68827600
	● Cool White (4000K)	White	1.01	Yes	68828300
	● Warm white (3000K)	Grey	1.01	Yes	68831300
	● Cool White (4000K)	Grey	1.01	Yes	68832000

**LuxSpace Mini  
Protection Glass I  
1 x LED – BBS480**



Light Colour	Housing Colour	Weight (kg)	Dimmable	Order Code
● Warm white (3000K)	White	1.07	No	92608400
● Cool White (4000K)	White	1.07	No	92609100

**LuxSpace Mini (Ring  
Louvre UGR 19)  
1 x LED – BBS481**

Light Colour	Housing Colour	Weight (kg)	Dimmable	Order Code
● Warm white (3000K)	White	1.01	No	68833700
● Cool White (4000K)	White	1.01	No	68834400
● Warm white (3000K)	Grey	1.01	No	68837500
● Cool White (4000K)	Grey	1.01	No	68838200

**LuxSpace Mini (Ring  
Louvre UGR 19)  
1 x LED – BBS481 Dali**

Light Colour	Housing Colour	Weight (kg)	Dimmable	Order Code
● Warm white (3000K)	White	1.01	Yes	68835100
● Cool White (4000K)	White	1.01	Yes	68836800
● Warm white (3000K)	Grey	1.01	Yes	68839900
● Cool White (4000K)	Grey	1.01	Yes	68840500

**System Components**

Reinforcing Frames	Product	Housing colour	Weight (kg)	Order Code
	ZBS480 DI150 (5PCS)		4	68994500

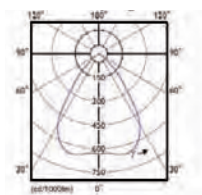
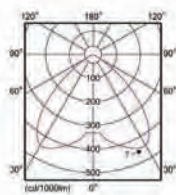
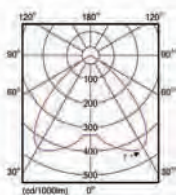
Adaptor Ring	Product	Housing colour	Weight (kg)	Order Code
	ZBS480 CFRM DI175 WH	White	0.2	68995200
	ZBS480 CFRM DI175 GR	Grey	0.2	68996900

**Polar Intensity Diagram** (For further Photometric data please contact our technical department)

LuxSpace BBS480  
Warm white  
Luminaire lumens: 1003lm  
Lamp: 1 x DLED-3000

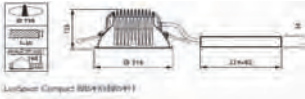
LuxSpace BBS480  
Neutral white  
Luminaire lumens: 1107lm  
Lamp: 1 x DLED-4000

LuxSpace BBS481  
Warm white  
Luminaire lumens: 979lm  
Lamp: 1 x DLED-3000



## LuxSpace Compact

### Standard features



### Type

### Light source

### Light colour

### Power consumption

### Driver

### Optic

### Option

### Material

### Colour

### Classification codes

### BBS490 BBS491 (Comfort version)

1 x LED-HB unit

Warm white, 3000K, Cool white, 4000K

35W

Mains voltage 230 or 240 V / 50-60 Hz

Driver Integrated into independent driver box (PSU-E)

High-gloss mirror; UGr 22 ( BBS490)

High-gloss mirror with ring louvre, UGr 19 (BBS491)

Asymmetrical, high-gloss mirror

Matt mirror; UGr 22 (BBS90)

Matt mirror; r UGr 19 (BBS91)

Emergency lighting (integrated): 1 hour (EL1), 3 hours (EL3)

Lighting controls: dimming by DALI

Heatsink, bracket, reflector and front rim: aluminium

Fixation: steel and polycarbonate

White (WH) or grey (GR)



## Product Selection

### LuxSpace Compact BBS490 - UGr22



### Light Colour

- Warm white (3000K)
- Warm white (3000K)
- Warm white (3000K)
- Warm white (3000K)
- Warm white (3000K)

### Emergency

•

### Housing

- Grey
- White
- White
- Grey
- White

### Con- trols

- DALI
- DALI
- DALI
- Fixed
- Fixed

### Weight (kg)

- 1.91
- 1.91
- 2.334
- 1.876
- 1.876

### Order code

- 92756200
- 92752400
- 58658200
- 92754800
- 92750000

### LuxSpace Compact BBS491 - UGr19



- Warm white (3000K)
- Cool white (4000K)
- Cool white (4000K)
- Cool white (4000K)
- Cool white (4000K)
- Cool white (4000K)
- Cool white (4000K)

•



- White
- Grey
- White
- White
- Grey
- White
- White

- Fixed
- DALI
- DALI
- DALI
- Fixed
- Fixed
- Fixed

- 2.334
- 1.91
- 1.91
- 2.334
- 1.876
- 1.876
- 2.334

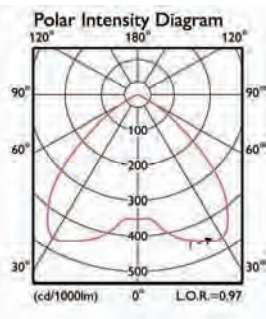
- 58929300
- 92758600
- 92753100
- 58967500
- 92755500
- 92751700
- 58936100



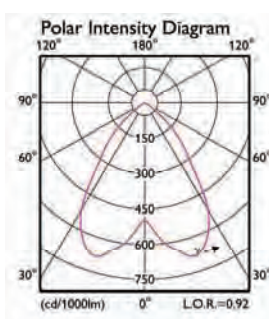
Reinforcing Frames	Product	Product Description	Weight (kg)	Order code
	2B5 490	0200 (SPCS)	6.68	93240500
<b>Adaptor Ring</b>	2B5 490	CFRMD 255W	0.33	93241200
	2B5 490	CFRMD 255GR	0.33	93242900
<b>Deco Accessory</b>				
<b>Deco Frosted Glass</b>	2B5 490	SG-FRC Deco frosted glass	0.56	93243600
				
<b>Halo Frosted Glass</b>	2B5 490	SG-HR-FR Halo frosted glass	0.56	93244300
				
<b>Glass</b>	2B5 490	SG-O-OPDI Glass	0.56	93245000
				

**Polar Intensity Diagram** *(For further Photometric data please contact our technical department)*

**Luminaire:** LuxSpace BBS490 1xDLED-Compact/4000K  
**Lampflux:** 1 x 2260 lm



**Luminaire:** LuxSpace BBS491 1xDLED-Compact/4000K  
**Lampflux:** 1 x 2260 lm

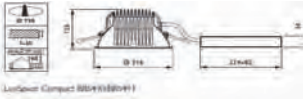


 For further information call 01483 293 258

## LuxSpace Compact Power

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### Standard features



### Type

**BBS494**  
**BBS495**

### Light colour

Warm white, 3000 K  
Neutral white, 4000 K

### Power Consumption

48W

### Light Source

Remote Phosphor

### Driver

PSU - Fixed and PSD - DALI

### Optic

BBS494 - UGR22 BBS495 - UGR25

### Materials and finishing

Steel

### Lifetime

50,000hrs, 70% lumen maintenance at T = 25c

### Colour resolution

80

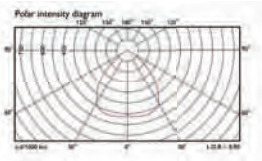
## Product Selection

Type	Light Colour	Weight	Version	Power	Housing Colour	Dimming	Order Code
<b>BBS495</b>	● Warm White (2700 K)	2.7	UGR25	48W	Black	No	93753000
	○ Neutral White (4000 K)	2.7	UGR25	48W	Black	No	93754700
	● Warm White (2700 K)	2.7	UGR25	48W	Black	DALI	93755400
	○ Neutral White (4000 K)	2.7	UGR25	48W	Black	DALI	93756100
<b>BBS494</b>	● Warm White (2700 K)	2.7	UGR22	48W	Black	No	93733200
	○ Neutral White (4000 K)	2.7	UGR22	48W	Black	No	93734900
	● Warm White (2700 K)	2.7	UGR22	48W	Black	DALI	93735600
	○ Neutral White (4000 K)	2.7	UGR22	48W	Black	DALI	93736300

## Polar Intensity Diagram (For further Photometric data please contact our technical department)

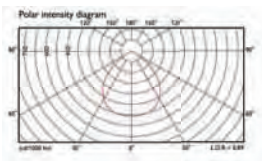
**BBS494 1xDLED-3000 C**

Lampflux: 1 x 2554 lm



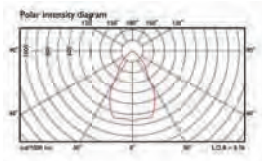
**BBS494 1xDLED-4000 M**

Lampflux: 1 x 2768 lm



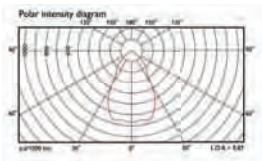
**BBS495 1xDLED-4000 C RL-BL**

Lampflux: 1 x 2768 lm



**BBS495 1xDLED-3000 C RL-GN**

Lampflux: 1 x 2554 lm



# LuxSpace Mini Square

- \_Indoor recessed LED downlight suitable for office, retail and hospitality, healthcare, airport, office, hospitality
- \_Replacement for conventional downlight applications using CFL or halogen equivalents
- \_Significant energy savings compared other traditional light sources
- \_For 125mm cut-outs
- \_Available in white & grey housings

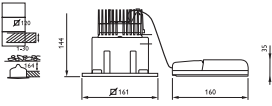






## LuxSpace Mini Square

### Standard features



### Type

**BBS482**

### Connection

Push-in connector (PI) or with pull relief (PIP)  
Wieland connector GST 18, 3 or 4 poles (W, W4)

### Material

Heat sink, bracket, reflector and front rim: aluminium  
Fixation: steel and polycarbonate  
Driver box: plastic

### Colour

White (WH) or grey (GR)

### Installation

Fixation by means of spring fasteners  
Operating temperature:  $-20^{\circ}\text{C} < T$   
Ambient temperature for max. performance  $25^{\circ}\text{C}$

### Lifetime

50.000 hours (70% lumen maintenance at T)

### Light source

DLED micro

### Light colour

Warm white, 3000 K  
Neutral white, 4000 K

### Power Consumption

19 W

### Mains voltage

240 V / 50 - 60 Hz

### Driver

Integrated in independent driver box

### Optic

High-gloss mirror  
Matt reflector

### Controls

Dali Dimmable

### Options

Emergency lighting (integrated): 3 hours (EL3)  
Lighting controls: dimming (Dali)

### Main applications

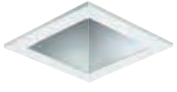
Retail, shops, airports, hospitals, office, hospitality

### Classification Codes



## Product Selection

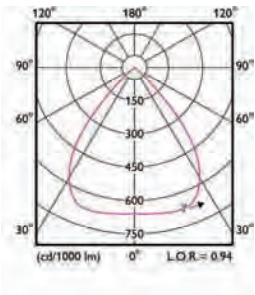
### LuxSpace Mini Square BBS482



Light Colour	Housing	DALI Dimmable	Order code
● Warm white (3000K)	White	No	93284900
● Cool white (4000K)	White	No	93285600
● Warm white (3000K)	White	Yes	93286300
● Cool white (4000K)	White	Yes	93287000
● Warm white (3000K)	Grey	No	93288700
● Cool white (4000K)	Grey	No	93289400
● Warm white (3000K)	Grey	Yes	93290000
● Cool white (4000K)	Grey	Yes	93291700

## Polar Intensity Diagram (For further Photometric data please contact our technical department)

Luminaire : LuxSpace mini Square 1xDLED/3000K EB  
 Lampflux : 1 x 1130 lm  
 Ballast : EB  
 Measurement code : LVL1005300  
 Measurement date : 2010-02-02  
 Measurement status : Development  
 L.O.R. : 0.94



☎ For further information call 01483 293 258

# EssentiaLED Downlight

- \_A range of IP20 & IP65 GU10 LED downlights
- \_A true replacement for conventional 20 and 35W halogen downlights offering up to 80% energy savings
- \_Provides excellent illumination with minimal power consumption;
- \_Uses the groundbreaking Philips Master LEDlamps 7W dimmable lamp;
- \_Available in a variety of colour finishes, colour temperatures as well as beam angles







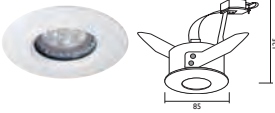
## EssentiaLED Downlight

### Standard features

<b>Type</b>	<b>Recessed fixed IP65 BBG381</b>
<b>Light source</b>	MasterLED 7W
<b>Light colour</b>	Warm white 3000K, Neutral White 4200K
<b>Power consumption</b>	7W
<b>Optic</b>	25 and 40° beam angle
<b>Power Supply</b>	220-240v/ 50-60Hz
<b>Power Consumption</b>	7W
<b>Lifetime</b>	45000 hrs at 70% lumen maintenance at Ta=25° C
<b>Material</b>	Aluminium
<b>Colour</b>	Matt White RAL9010, Satin Nickel , Polished Chrome
<b>Accessory</b>	Range of decorative glasses (as BBG380)
<b>Main applications</b>	Retail, Hospitality, Corridors
<b>Classification code</b>	<span style="border: 1px solid black; padding: 2px;">IP 65</span>

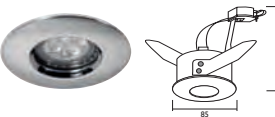
### Product Selection

#### BBG381 IP65 Matt White



Light Colour	Beam (°)	Weight (kg)	Power (w)	Order Code
○ Neutral white (4200K)	25	0.11	7W	56481800
● Warm white (3000K)	25	0.11	7W	56552500
○ Neutral white (4200K)	40	0.11	7W	56352100
● Warm white (3000K)	40	0.11	7W	56353800

#### BBG381 IP65 Polished Chrome



Light Colour	Beam (°)	Weight (kg)	Power (w)	Order Code
○ Neutral white (4200K)	25	0.11	7W	56354500
● Warm white (3000K)	25	0.11	7W	56355200
○ Neutral white (4200K)	40	0.11	7W	56356900
● Warm white (3000K)	40	0.11	7W	56357600

#### BBG381 IP65 Satin Nickel



Light Colour	Beam (°)	Weight (kg)	Power (w)	Order Code
○ Neutral white (4200K)	25	0.11	7W	56558300
● Warm white (3000K)	25	0.11	7W	56359000
○ Neutral white (4200K)	40	0.11	7W	56360600
● Warm white (3000K)	40	0.11	7W	56432000

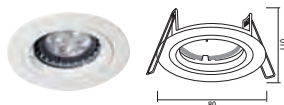
## EssentialLED Downlight

### Standard features

<b>Type</b>	<b>Recessed fixed BBG380</b>
<b>Light source</b>	MasterLED 7W
<b>Light colour</b>	Warm white 3000K, Neutral White 4200K
<b>Optic</b>	25 and 40° beam angle
<b>Power Supply</b>	220-240v/ 50-60Hz
<b>Power Consumption</b>	7W
<b>Lifetime</b>	45000 hrs at 70% lumen maintenance at Ta=25° C
<b>Material</b>	Aluminium
<b>Colour</b>	Matt White RAL9010, Satin Nickel , Polished Chrome
<b>Accessory</b>	Range of decorative glasses
<b>Main applications</b>	Retail, Hospitality, Corridors
<b>Classification code</b>	IP 20

### Product Selection

#### EssentialLED BBG380 Matt White



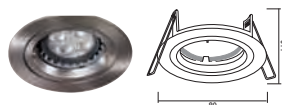
Light Colour	Beam (°)	Weight (kg)	Power (w)	Order Code
○ Neutral white (4200K)	25	0.1	7W	56469600
● Warm white (3000K)	25	0.1	7W	56470200
○ Neutral white (4200K)	40	0.1	7W	56471900
● Warm white (3000K)	40	0.1	7W	56472600

#### EssentialLED BBG380 Polished Chrome



Light Colour	Beam (°)	Weight (kg)	Power (w)	Order Code
○ Neutral white (4200K)	25	0.1	7W	5647330
● Warm white (3000K)	25	0.1	7W	56474000
○ Neutral white (4200K)	40	0.1	7W	56478700
● Warm white (3000K)	40	0.1	7W	56476400

#### EssentialLED BBG380 Satin Nickel



Light Colour	Beam (°)	Weight (kg)	Power (w)	Order Code
○ Neutral white (4200K)	25	0.1	7W	56477100
● Warm white (3000K)	25	0.1	7W	56478800
○ Neutral white (4200K)	40	0.1	7W	56479500
● Warm white (3000K)	40	0.1	7W	56480100

### Accessories for (BBG380)

Accessories	Inner Ring	Weight (kg)	Order Code
Deco ring centre frosted	Polished chrome	0.15	56003200
Deco ring outer frosted	Polished chrome	0.15	56004900
Deco ring fully frosted	Polished chrome	0.15	56006300
Blue Glass	Polished chrome	0.15	56007000

# EssentiaLED Downlight Fire Rated

- \_a range of IP20 and IP65 GU10 LED downlights
- \_a true replacement for conventional 20 and 35W halogen downlights
- \_provides excellent illumination with minimal power consumption
- \_uses the ground breaking Philips MASTER LED 7W dimmable lamp
- \_available in a variety of colour finishes, colour temperatures as well as beam angles
- \_suitable for 20, 60 and 90 minute fire rated ceilings





## EssentialLED Downlight Range Fire Rated

### Standard features

<b>Type</b>	<b>Recessed Fixed Fire Rated BBG389</b>
<b>Light source</b>	MasterLED 7W
<b>Light colour</b>	Warm white 3000K, Neutral White 4200K
<b>Optic</b>	25 and 40° beam angle
<b>Power Supply</b>	220-240v/ 50-60Hz
<b>Power Consumption</b>	7W
<b>Lifetime</b>	45000 hrs at 70% lumen maintenance at Ta=25° C
<b>Material</b>	Aluminium
<b>Colour</b>	Matt White RAL9010, Satin Nickel , Polished Chrome
<b>Accessory</b>	Range of decorative glasses (as BBG380)
<b>Main applications</b>	Retail, Hospitality, Corridors
<b>Classification code</b>	IP 20

### Product Selection

#### EssentialLED BBG389 IP20 Fire Rated Matt



Light Colour	Beam (°)	Weight (kg)	Power (w)	Order Code
○ Neutral white (4200K)	25	0.21	7W	56401600
● Warm white (3000K)	25	0.21	7W	56402300
○ Neutral white (4200K)	40	0.21	7W	56403000
● Warm white (3000K)	40	0.21	7W	56404700

#### EssentialLED BBG389 IP20 Fire Rated Polished Chrome



Light Colour	Beam (°)	Weight (kg)	Power (w)	Order Code
○ Neutral white (4200K)	25	0.21	7W	56405400
● Warm white (3000K)	25	0.21	7W	56406100
○ Neutral white (4200K)	40	0.21	7W	56407800
● Warm white (3000K)	40	0.21	7W	56408500

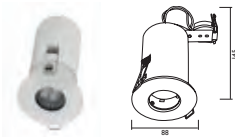
#### EssentialLED BBG389 IP20 Fire Rated Satin Nickel



Light Colour	Beam (°)	Weight (kg)	Power (w)	Order Code
○ Neutral white (4200K)	25	0.21	7W	56409200
● Warm white (3000K)	25	0.21	7W	56410800
○ Neutral white (4200K)	40	0.21	7W	56411500
● Warm white (3000K)	40	0.21	7W	56412200
● Warm white (2700K)	40	0.21	7W	58642100

## Product Selection

### BBG386 IP65 Fire Rated Matt White



Light Colour	Beam (°)	Weight (kg)	Power (w)	Order Code
○ Neutral white (4200K)	25	0.23	7W	56389700
● Warm white (3000K)	25	0.23	7W	56390300
○ Neutral white (4200K)	40	0.23	7W	56391000
● Warm white (3000K)	40	0.23	7W	56392700

### BBG386 IP65 Fire Rated Polished Chrome



Light Colour	Beam (°)	Weight (kg)	Power (w)	Order Code
○ Neutral white (4200K)	25	0.23	7W	56393400
● Warm white (3000K)	25	0.23	7W	56394500
○ Neutral white (4200K)	40	0.23	7W	56395800
● Warm white (3000K)	40	0.23	7W	56396500

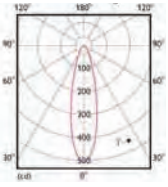
### BBG386 IP65 Fire Rated Satin Nickel



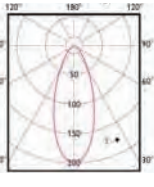
Light Colour	Beam (°)	Weight (kg)	Power (w)	Order Code
○ Neutral white (4200K)	25	0.23	7W	56397200
● Warm white (3000K)	25	0.23	7W	56398900
○ Neutral white (4200K)	40	0.23	7W	56399600
● Warm white (3000K)	40	0.23	7W	56400900

## Polar Intensity Diagram (For further Photometric data please contact our technical department)

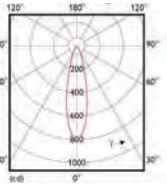
EssentiaLED  
3000K  
Beam Angle: 25°  
Lumens: 167.4



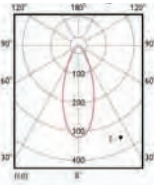
EssentiaLED  
3000K  
Beam Angle: 40°  
Lumens: 142.4



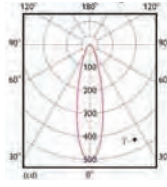
EssentiaLED  
4200K  
Beam Angle: 25°  
Lumens: 211.6



EssentiaLED  
3000K  
Beam Angle: 40°  
Lumens: 198



EssentisLED(BBG387)  
3000K  
Beam Angle: 25°  
Lumens: 163.8



# EssentiaLED Downlight Adjustable

- \_A range of GU10 adjustable downlights
- \_A true replacement for conventional 20 and 35W halogen downlights offering up to 80% energy savings
- \_Provides excellent illumination with minimal power consumption;
- \_Uses the groundbreaking Philips MasterLED 7W dimmable lamp;
- \_Available in a variety of colour finishes, colour temperatures as well as beam angles





## EssentialLED Downlight Adjustable

### Standard features

<b>Type</b>	<b>Recessed Adjustable BBG382</b>
<b>Light source</b>	MasterLED 7W
<b>Light colour</b>	Warm white 3000K, Neutral White 4200K
<b>Power consumption</b>	7W
<b>Optic</b>	25 and 40° beam angle
<b>Power Supply</b>	220-240v/ 50-60Hz
<b>Power Consumption</b>	7W
<b>Lifetime</b>	45000 hrs at 70% lumen maintenance at Ta=25° C
<b>Material</b>	Aluminium
<b>Colour</b>	Matt White RAL9010, Satin Nickel , Polished Chrome
<b>Main applications</b>	Retail, Hospitality, Corridors
<b>Classification code</b>	<span style="border: 1px solid black; padding: 2px;">IP 20</span>

### Product Selection

#### BBG382 Matt White



Light Colour	Beam (°)	Weight (kg)	Power (w)	Order Code
○ Neutral white (4200K)	25	0.21	7W	56378100
● Warm white (3000K)	25	0.21	7W	56379800
○ Neutral white (4200K)	40	0.21	7W	56380400
● Warm white (3000K)	40	0.21	7W	56351100

#### BBG382 Polished Chrome



Light Colour	Beam (°)	Weight (kg)	Power (w)	Order Code
○ Neutral white (4200K)	25	0.21	7W	56382800
● Warm white (3000K)	25	0.21	7W	56383500
○ Neutral white (4200K)	40	0.21	7W	56384200
● Warm white (3000K)	40	0.21	7W	56385900

#### BBG382 Satin Nickel



Light Colour	Beam (°)	Weight (kg)	Power (w)	Order Code
○ Neutral white (4200K)	25	0.21	7W	53686600
● Warm white (3000K)	25	0.21	7W	56389300
● Warm white (3000K)	40	0.21	7W	56388000

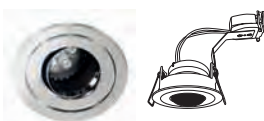
## Product Selection

### BBG387 Darklight Baffle Matt White



Light Colour	Beam (°)	Weight (kg)	Power (w)	Order Code
● Warm white (2700K)	25	0.1	7W	59013800
○ Neutral white (4200K)	40	0.1	7W	56368200
● Warm white (3000K)	40	0.1	7W	56369900
● Warm white (2700K)	40	0.1	7W	58641400

### BBG387 Darklight Baffle Polished Chrome



Light Colour	Beam (°)	Weight (kg)	Power (w)	Order Code
○ Neutral white (4200K)	25	0.1	7W	56370500
● Warm white (3000K)	25	0.1	7W	56371200
○ Neutral white (4200K)	40	0.1	7W	56372900
● Warm white (3000K)	40	0.1	7W	56373600

### BBG387 Darklight Baffle Satin Nickel



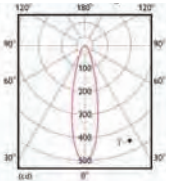
Light Colour	Beam (°)	Weight (kg)	Power (w)	Order Code
○ Neutral white (4200K)	25	0.1	7W	56374300
● Warm white (3000K)	25	0.1	7W	56375000
○ Neutral white (4200K)	40	0.1	7W	56376700
● Warm white (3000K)	40	0.1	7W	56377400

## Accessories (for BBG382)

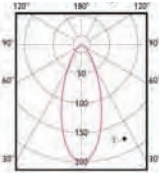
	<b>Inner Ring</b>	<b>Weight (kg)</b>	<b>Order Code</b>
Deco ring centre frosted	Polished chrome	0.15	919913992894
Deco ring outer frosted	Polished chrome	0.15	919913992895
Deco ring fully frosted	Polished chrome	0.15	919913992896
Blue Glass	Polished chrome	0.15	919913992897
White Glass	Polished chrome	0.15	919913992898

## Polar Intensity Diagram (For further Photometric data please contact our technical department)

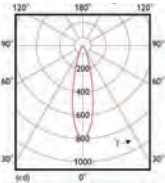
EssentiaLED  
3000K  
Beam Angle: 25°  
Lumens: 167.4



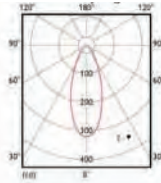
EssentiaLED  
3000K  
Beam Angle: 40°  
Lumens: 142.4



EssentiaLED  
4200K  
Beam Angle: 25°  
Lumens: 211.6



EssentiaLED  
3000K  
Beam Angle: 40°  
Lumens: 198



# EssentiaLED Inground

\_Inground walkover light

\_Provides excellent illumination with minimal power consumption;

\_Uses the groundbreaking Philips MasterLED 7W dimmable lamp;

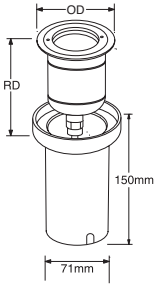
\_Available in a variety of colour temperatures as well as  
beam angles





# EssentiaLED Inground

## Standard features



<b>Type</b>	<b>Walk over Inground IP65 BBG384</b>
<b>Light source</b>	MasterLED 7W
<b>Light colour</b>	Warm white 3000K, Neutral White 4200K
<b>Power consumption</b>	7W
<b>Optic</b>	25 and 40° beam angle
<b>Power Supply</b>	220-240v/ 50-60Hz
<b>Power Consumption</b>	7W
<b>Lifetime</b>	45000 hrs at 70% lumen maintenance at Ta=25° C
<b>Material</b>	Aluminium
<b>Colour</b>	Aluminium
<b>Main applications</b>	Retail, Hospitality, deck applications
<b>Classification code</b>	<span style="border: 1px solid black; padding: 2px;">IP 65</span>

## Product Selection

### BBG384 Darklight Baffle Matt White



Light Colour	Beam (°)	Weight (kg)	Power (w)	Order Code
○ Neutral white (4200K)	25	0.75	7W	56362000
● Warm white (3000K)	25	0.75	7W	56363700
○ Neutral white (4200K)	40	0.75	7W	56364400
● Warm white (3000K)	40	0.75	7W	56365100

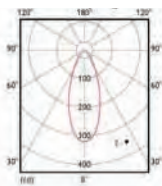
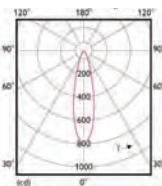
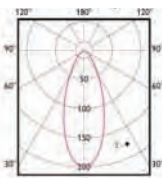
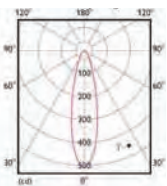
## Polar Intensity Diagram (For further Photometric data please contact our technical department)

EssentiaLED  
3000K  
Beam Angle: 25°  
Lumens: 167.4

EssentiaLED  
3000K  
Beam Angle: 40°  
Lumens: 142.4

EssentiaLED  
4200K  
Beam Angle: 25°  
Lumens: 211.6

EssentiaLED  
4000K  
Beam Angle: 40°  
Lumens: 198



# SpotLED I & II Recessed

- \_Indoor use: meeting rooms, corridor, domestic and hospitality applications
- \_Family of products including surface, recessed, semi-recessed, adjustable and track mounted
- \_No UV/IR radiation
- \_Supplied with remote, integral driver



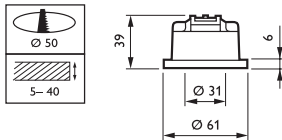


## SpotLED I Recessed Fixed

<b>Standard features</b>	<b>Type</b>	<b>BBG410 (Round)</b> <b>BBG411 (Square)</b>
	<b>Light source</b>	1 x HB
	<b>Light colour</b>	2700K Warm white, 4000K Cool white
	<b>Power supply</b>	220-240V / 50-60Hz
	<b>Power consumption</b>	5.5W
	<b>Optic</b>	Narrow beam (6°) Medium beam (25°)
	<b>Lifetime</b>	50,000 hrs (70% lumen maintenance at Ta = 25°C)
	<b>Material</b>	Housing: brushed aluminium and polycarbonate Optic: polycarbonate Ceiling ring: brushed aluminium
	<b>Accessory</b>	Adaptor ring ZBG410
	<b>Remarks</b>	Including remote transformer
	<b>Main applications</b>	Retail, hospitality
	<b>Classification code</b>	  

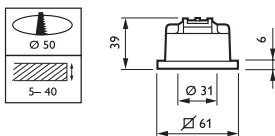
## Product Selection

### SpotLED I Recessed 1 x LED Round – BBG410



Light Colour	Beam (°)	Weight (kg)	Power (w)	Order Code
● Warm white	6	0.15	3.5	88871999
● Warm white	25	0.15	3.5	88873399
● Cool white	6	0.15	3.5	88872699
● Cool white	25	0.15	3.5	88874099




### SpotLED I Recessed 1 x LED Square – BBG411



Light Colour	Beam (°)	Weight (kg)	Power (w)	Order Code
● Warm white	6	0.15	3.5	88875799
● Warm white	25	0.15	3.5	88877199
● Cool white	6	0.15	3.5	88876499
● Cool white	25	0.15	3.5	88878899



## SpotLED II Recessed Fixed

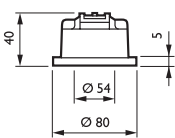
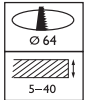
Standard features	Type	BBG450 (Round) BBG451 (Square)
<b>Light source</b>		
<b>Light colour</b>		2700K Warm white, 4000K Cool white
<b>Power supply</b>		220-240V / 50-60Hz
<b>Power consumption</b>		8W
<b>Optic</b>		Narrow beam (6°) Medium beam (25°)
<b>Lifetime</b>		50,000 hrs (70% lumen maintenance at Ta = 25°C)
<b>Material</b>		Housing: brushed anodised aluminium and polycarbonate Optic: polycarbonate
<b>Remarks</b>		Including remote transformer
<b>Main applications</b>		Hotels, restaurants, retail, museums
<b>Classification code</b>		  

### Product Selection

#### SpotLED II Recessed Fixed Round Single 3 x LED – BBG450



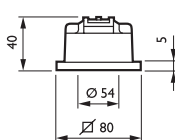
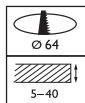
Light Colour	Beam (°)	Weight (kg)	Power (w)	Order Code
● Warm white	6	0.21	8	88875799
● Warm white	25	0.21	8	88899399
● Cool white	6	0.21	8	88898699
● Cool white	25	0.21	8	88900699



#### SpotLED II Recessed Fixed Square Single 3 x LED – BBG451



Light Colour	Beam (°)	Weight (kg)	Power (w)	Order Code
● Warm white	6	0.23	8	88901399
● Warm white	25	0.23	8	88903799
● Cool white	6	0.23	8	88902099
● Cool white	25	0.23	8	88904499



## SpotLED I Recessed Adjustable

### Standard features

### Type

**BBG400 (Round)**  
**BBG401 (Square)**

### Light source

BBG400/401: 1 x HB

### Light colour

2700K Warm white, 4000K Cool white

### Power supply

220-240V / 50-60Hz

### Power consumption

BBG400/401: 5.5W

### Optic

Narrow beam (6°)  
Medium beam (25°)

### Classification code



## Product Selection

### SpotLED I Recessed 1 x LED Round Single – BBG400



### Light Colour

- Warm white
- Warm white
- Cool white
- Cool white

### Beam (°)

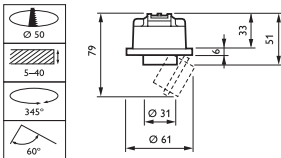
- 6
- 25
- 6
- 25

### Weight (kg) Power (w)

- 0.15 3.5
- 0.15 3.5
- 0.15 3.5
- 0.15 3.5

### Order Code

- 8886349
- 8886589
- 8886419
- 8886659



### SpotLED I Recessed 1 x LED Square Single – BBG401



### Light Colour

- Warm white
- Warm white
- Cool white
- Cool white

### Beam (°)

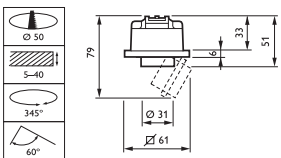
- 6
- 25
- 6
- 25

### Weight (kg) Power (w)

- 0.20 3.5
- 0.20 3.5
- 0.20 3.5
- 0.20 3.5

### Order Code

- 8886729
- 8886969
- 8886899
- 8887029



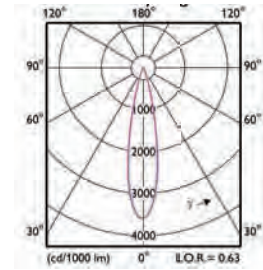
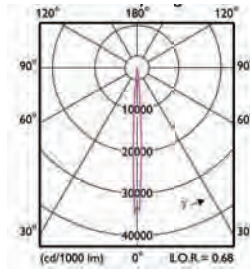
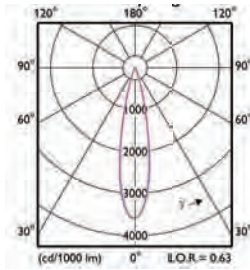
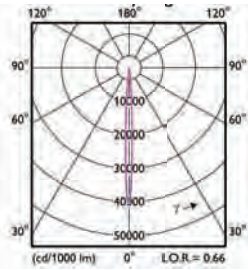
## Polar Intensity Diagram (For further Photometric data please contact our technical department)

**Luminaire:** SpotLED I upgrade 2700K  
 1xHB Led FY:0107 600mA 10D  
**Lampflux:** 1 x 150 lm  
**Ballast:** FY:0107 600mA  
**Measurement code:** LVE1783300  
**Measurement date:** 2010-01-11  
**Measurement status:** Quality control  
**L.O.R.:** 0.66




**Luminaire:** SpotLED I upgrade 2700K  
 1xHB Led FY:0107 600mA 25D  
**Lampflux:** 1 x 150 lm  
**Ballast:** FY:0107 600mA  
**Measurement code:** LVE1783200  
**Measurement date:** 2010-01-11  
**Measurement status:** Quality control  
**L.O.R.:** 0.63

**Luminaire:** SpotLED I upgrade 4000K  
 1xHB Led FY:0107 600mA 10D  
**Lampflux:** 1 x 180 lm  
**Ballast:** FY:0107 600mA  
**Measurement code:** LVE1783500  
**Measurement date:** 2010-01-11  
**Measurement status:** Quality control  
**L.O.R.:** 0.68

**Luminaire:** SpotLED I upgrade 4000K  
 1xHB Led FY:0107 600mA 25D  
**Lampflux:** 1 x 180 lm  
**Ballast:** FY:0107 600mA  
**Measurement code:** LVE1783200  
**Measurement date:** 2010-01-11  
**Measurement status:** Quality control  
**L.O.R.:** 0.63



## SpotLED II Semi-Recessed Adjustable

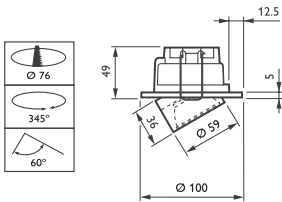
<b>Standard features</b>	<b>Type</b>	<b>BBG440 (Round)</b> <b>BBG441 (Square)</b>
	<b>Light source</b>	BBG440: HB BBG441: HB
	<b>Light colour</b>	Warm white 2700K, Cool white 4000K
	<b>Power supply</b>	220-240V / 50-60Hz
	<b>Power consumption</b>	BBG440/441: 8W
	<b>Optic</b>	Narrow beam (6°) Medium beam (25°)
	<b>Adjustment</b>	Horizontal: 340° Vertical: 60°
	<b>Lifetime</b>	50,000 hrs (70% lumen maintenance at Ta = 25°C)
	<b>Material</b>	Housing: brushed anodised aluminium and polycarbonate Optic: polycarbonate
	<b>Remarks</b>	Including remote transformer
	<b>Main applications</b>	Hotels, restaurants, retail, museums
	<b>Classification code</b>	  

## Product Selection

### SpotLED II Semi-Recessed Adjustable Round Single – BBG440



Light Colour	Beam (°)	Weight (kg)	Power (w)	Order Code
● Warm white	6	0.29	8	8888949
● Warm white	25	0.29	8	8889179
● Cool white	6	0.29	8	8889009
● Cool white	25	0.29	8	8894269





**SpotLED II Semi-Recessed Adjustable Square Single – BBG44 I**



**Light Colour**

- Warm white
- Warm white
- Cool white
- Cool white

**Beam (°)**

- 6
- 25
- 6
- 25

**Weight (kg)**

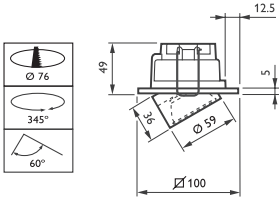
- 0.30
- 0.30
- 0.30
- 0.30

**Power (w)**

- 8
- 8
- 8
- 8

**Order Code**

- 8889319
- 8889559
- 8889489
- 8889629



# SpotLED I & II Surface




- \_Indoor use: Meeting rooms, corridor, domestic and hospitality applications
- \_Family of products including surface, recessed, semi-recessed, adjustable and track mounted
- \_No UV/IR radiation






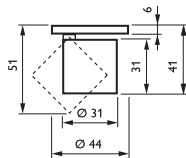
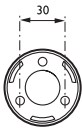
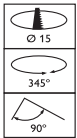
Lighting Design:  
\_Globen, Gerhard Rehm  
Photography:  
\_Honer Akrawi

## SpotLED I Surface Mounted Adjustable

Standard features	Type	BCG400 (Round) BCG401 (Square)
	<b>Light source</b>	HB
	<b>Light colour</b>	Warm white 2700K, cool white 4000K
	<b>Power supply</b>	220-240V / 50-60 Hz
	<b>Power consumption</b>	BCG400/401: 2.5W
	<b>Optic</b>	Narrow beam (6°) Medium beam (25°)
	<b>Lifetime</b>	50,000 hours (70% lumen maintenance at Ta = 25°C)
	<b>Adjustment</b>	Horizontal: 345° Vertical: 90°
	<b>Material</b>	Housing: brushed aluminium and polycarbonate Optic: polycarbonate Base plate: brushed aluminium and polycarbonate
	<b>Remarks</b>	BCG 400: supplied with remote driver BCG 401: supplied with integral driver
	<b>Main applications</b>	Retail, hospitality
	<b>Classification code</b>	  

## Product Selection

SpotLED I Surface Mounted Light Colour Adjustable I x LED – BCG400	Light Colour	Beam (°)	Weight (kg)	Power (w)	Order Code
	● Warm white	6	0.15	3.5	8888329
	● Warm white	25	0.15	3.5	8888569
	● Cool white	6	0.15	3.5	8888499
	● Cool white	25	0.15	3.5	8888639



**SpotLED I Surface Mounted Adjustable I x LED – BCG40I**



**Light Colour**

- Warm white
- Warm white
- Cool white
- Cool white

**Beam (°)**

- 6
- 25
- 6
- 25

**Weight (kg)**

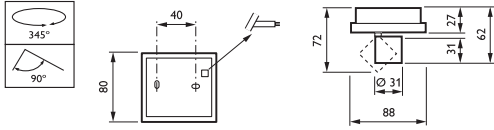
- 0.20
- 0.20
- 0.20
- 0.20

**Power (w)**

- 3.5
- 3.5
- 3.5
- 3.5

**Order Code**

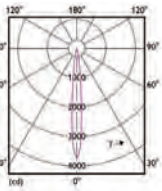
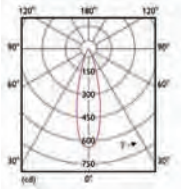
- 8887959
- 8888189
- 8888019
- 8888259



**Polar Intensity Diagram** (For further Photometric data please contact our technical department)




SpotLED Surface Mounted  
25° Medium Beam  
Cool white BCG40I  
HB  
Luminaire Lumens: 55

SpotLED Surface Mounted  
6° Narrow Beam  
Cool white BCG40I  
HB  
Luminaire Lumens: 66





## SpotLED II Surface Mounted Adjustable

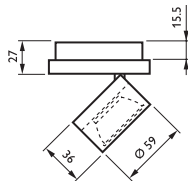
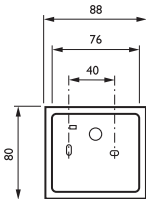
<b>Standard features</b>	<b>Type</b>	<b>BCG440 (Round)</b> <b>BCG441 (Square)</b>
	<b>Light source</b>	BCG440: 3 x LUXEON® HB BCG441: 3 x LUXEON® HB
	<b>Light colour</b>	Warm white 2700K, cool white 4000K
	<b>Power supply</b>	220-240V / 50-60Hz
	<b>Power consumption</b>	BCG440/441: 8W
	<b>Optic</b>	Narrow beam (6°)
	<b>Adjustment</b>	Horizontal: 340° Vertical: 90°
	<b>Lifetime</b>	50,000 hrs (70% lumen maintenance at Ta = 25°C)
	<b>Material</b>	Housing: brushed anodised aluminium and polycarbonate Optic: polycarbonate
	<b>Remarks</b>	BCG 440: supplied with remote driver BCG 441: supplied with integral driver
	<b>Main applications</b>	Hotels, restaurants, retail, museums
	<b>Classification code</b>	  

## Product Selection

### SpotLED II Surface Mounted Adjustable Square Single 3 x LED – BCG441



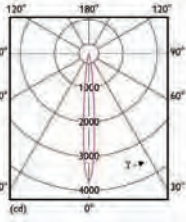
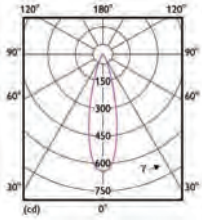
Light Colour	Beam (°)	Weight (kg)	Power (w)	Order Code
● Warm white	6	0.30	8	8890519
● Warm white	25	0.30	8	8890759
● Cool white	6	0.30	8	8890689
● Cool white	25	0.30	8	8890759



## Polar Intensity Diagram (For further Photometric data please contact our technical department)




SpotLED Surface Mounted  
25° Medium Beam  
Warm white BCG440  
Luminaire Lumens: 165

SpotLED Surface Mounted  
10° Narrow Beam  
Warm white BCG440  
Luminaire Lumens: 165




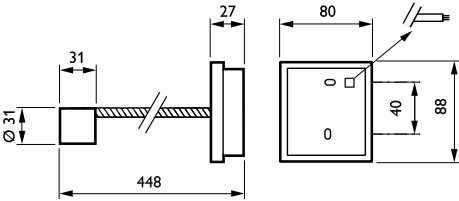


## SpotLED Gooseneck

<b>Standard features</b>	<b>Type</b>	<b>BWG40 I</b>
	<b>Light source</b>	HB
	<b>Light colour</b>	Cool white 6050K
	<b>Power supply</b>	220-240V / 50-60Hz
	<b>Power consumption</b>	3.5W
	<b>Optic</b>	Medium beam (25°)
	<b>Lifetime</b>	50,000 hours (70% lumen maintenance at Ta = 25°C)
	<b>Material</b>	Housing: brushed aluminium and polycarbonate Optic: polycarbonate Base plate: brushed aluminium and polycarbonate
	<b>Remarks</b>	Including integrated transformer Touch base for on / off control
	<b>Main applications</b>	Retail, hospitality
	<b>Classification code</b>	  

## Product Selection

SpotLED Gooseneck – BWG40 I	Light Colour	Housing	Weight (kg)	Order Code
	● Warm White (3000K)	● Black	0.35	8888709
		● Grey	0.35	8888879



# SpotLED Gen3

- \_Family of fixtures including surface adjustable, recessed, semi recessed adjustable and track mounted adjustable versions
- \_Ideal replacement for 50W halogen luminaires at 10W energy consumption
- \_Indoor use: meeting rooms, corridors, display lighting domestic and hospitality applications
- \_Fully dimmable (please refer to recommended list)
- \_Available in colour temperature 2700K & 4000K, 10°, 25° and 40° beam angle
- \_No UV and IR radiation in the beam













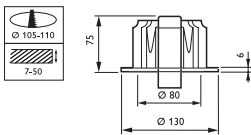
## SpotLED Gen3

### Standard features

<b>Type</b>	<b>BCG490 (recessed, round version)</b> <b>BCG491 (recessed, square version)</b>
<b>Light source</b>	5x LED-HB
<b>Light colour</b>	Warm white 2700K, Neutral white 4000K
<b>Power Consumption</b>	10W
<b>Driver</b>	220-240V / 50-60 Hz Dimmable driver
<b>Optic</b>	Beam angles 10°, 25° and 40°
<b>Lifetime</b>	50000hrs at 70% lumen maintenance at Ta = 25 °C
<b>Installation</b>	By means of spring fasteners
<b>Material</b>	Housing: brushed aluminium and polycarbonate Optic: polycarbonate Ceiling ring: brushed aluminium
<b>Remarks</b>	Remote driver included
<b>Main applications</b>	Hospitality, office, retail
<b>Classification code</b>	     

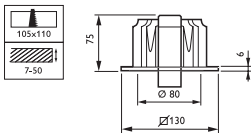
### Product Selection

#### SpotLED Gen3 Recessed Round 5x LED BBG490



Light Colour	Beam (°)	Weight (kg)	Power	Order Code
● Warm white (2700K)	10	0.6	10W	81600599
○ Neutral white (4000K)	10	0.6	10W	81601299
● Warm white (2700K)	25	0.6	10W	81614299
○ Neutral white (4000K)	25	0.6	10W	81615999
● Warm white (2700K)	40	0.6	10W	81628999
○ Neutral white (4000K)	40	0.6	10W	81629699







#### SpotLED Gen3 Recessed Square 5x LED BBG491



Light Colour	Beam (°)	Weight (kg)	Power	Order Code
● Warm white (2700K)	10	0.65	10W	81602999
○ Neutral white (4000K)	10	0.65	10W	81603699
● Warm white (2700K)	25	0.65	10W	81616699
○ Neutral white (4000K)	25	0.65	10W	81617399
● Warm white (2700K)	40	0.65	10W	81630299
○ Neutral white (4000K)	40	0.65	10W	81631999

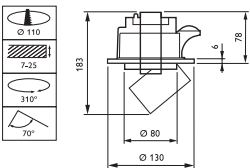
## SpotLED Gen3

### Standard features

<b>Type</b>	<b>BBG480 (semi-recessed, adjustable round version)</b> <b>BBG481 (semi-recessed, adjustable square version)</b>
<b>Light source</b>	5x LED-HB
<b>Light colour</b>	Warm white 2700K, Neutral white 4000K
<b>Power Consumption</b>	10W
<b>Driver</b>	220-240V / 50-60 Hz Dimmable driver
<b>Optic</b>	Beam angles 10°, 25° and 40°
<b>Lifetime</b>	50000hrs at 70% lumen maintenance at Ta = 25 °C
<b>Installation</b>	By means of spring fasteners Adjustment: horizontal 310°, vertical 70°
<b>Material</b>	Housing: brushed aluminium and polycarbonate Optic: polycarbonate Ceiling ring: brushed aluminium
<b>Remarks</b>	Remote driver included
<b>Main applications</b>	Hospitality, office, retail
<b>Classification code</b>	     

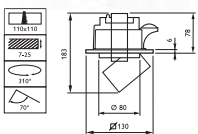
### Product Selection

#### SpotLED Gen3 Recessed adjustable Round 5x LED BBG480



Light Colour	Beam (°)	Weight (kg)	Power	Order Code
● Warm white (2700K)	10	0.6	10W	81604399
○ Neutral white (4000K)	10	0.6	10W	81605099
● Warm white (2700K)	25	0.6	10W	81618099
○ Neutral white (4000K)	25	0.6	10W	81619799
● Warm white (2700K)	40	0.6	10W	81632699
○ Neutral white (4000K)	40	0.6	10W	81633399

#### SpotLED Gen3 Recessed adjustable Square 5x LED BBG481



Light Colour	Beam (°)	Weight (kg)	Power	Order Code
● Warm white (2700K)	10	0.65	10W	81606799
○ Neutral white (4000K)	10	0.65	10W	81607499
● Warm white (2700K)	25	0.65	10W	81620399
○ Neutral white (4000K)	25	0.65	10W	81621099
● Warm white (2700K)	40	0.65	10W	81634099
○ Neutral white (4000K)	40	0.65	10W	81635799

☎ For further information call 01483 293 258

## SpotLED Gen3

### Standard features

### Type

**BBG480 (surface-mounted, round version)**  
**BBG481 (surface-mounted, square version)**

### Light source

5x LED-HB

### Light colour

Warm white 2700K, Neutral white 4000K

### Power Consumption

10W

### Driver

220-240V / 50-60 Hz  
 Dimmable driver

### Optic

Beam angles 10°, 25° and 40°

### Lifetime

50000hrs at 70% lumen maintenance at Ta = 25 °C

### Installation

Locking into pre-mounted ceiling plate (delivered with the luminaire)

Adjustment: horizontal 345°, vertical 90°

### Material

Housing: brushed aluminium and polycarbonate  
 Optic: polycarbonate  
 Ceiling ring: brushed aluminium

### Remarks

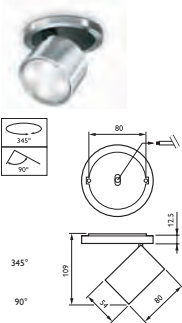
BCG480 - Remote driver  
 BCG481 - Integral driver

### Classification code



## Product Selection

### SpotLED Gen3 Surface Mounted Adjustable Round 5x LED BCG480



### Light Colour

- Warm white (2700K)
- Neutral white (4000K)
- Warm white (2700K)
- Neutral white (4000K)
- Warm white (2700K)
- Neutral white (4000K)

### Beam (°)

- 10
- 10
- 25
- 25
- 40
- 40

### Weight (kg)

- 0.5
- 0.5
- 0.5
- 0.5
- 0.5
- 0.5

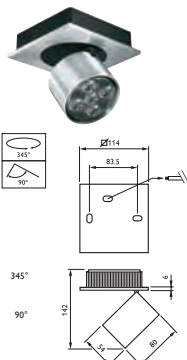
### Power

- 10W
- 10W
- 10W
- 10W
- 10W
- 10W

### Order Code

- 81608199
- 81609899
- 81622799
- 81623499
- 81636499
- 81637199

### SpotLED Gen3 Surface Mounted Adjustable Square 5x LED BCG481



### Light Colour

- Warm white (2700K)
- Neutral white (4000K)
- Warm white (2700K)
- Neutral white (4000K)
- Warm white (2700K)
- Neutral white (4000K)

### Beam (°)

- 10
- 10
- 25
- 25
- 40
- 40

### Weight (kg)

- 0.6
- 0.6
- 0.6
- 0.6
- 0.6
- 0.6







### Power

- 10W
- 10W
- 10W
- 10W
- 10W
- 10W

### Order Code

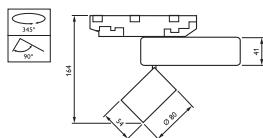
- 81610499
- 81611199
- 81624199
- 81625899
- 81638899
- 81639599

## SpotLED Gen3

Standard features	Type	BRG480 (3-Circuit Track version)
	<b>Light source</b>	5x LED-HB
	<b>Light colour</b>	Warm white 2700K, Neutral white 4000K
	<b>Power Consumption</b>	10W
	<b>Driver</b>	220-240V / 50-60 Hz Dimmable driver
	<b>Optic</b>	Beam angles 10°, 25° and 40°
	<b>Lifetime</b>	50000hrs at 70% lumen maintenance at Ta = 25 °C
	<b>Installation</b>	On 3-circuit track (3C) Adjustment: horizontal 345°, vertical 90°
	<b>Material</b>	Housing: brushed aluminium and polycarbonate Optic: polycarbonate Ceiling ring: brushed aluminium
	<b>Remarks</b>	Integral driver
	<b>Classification code</b>	     

## Product Selection

### SpotLED Gen3 C Track Mounted Adjustable Round 5x LED BRG480

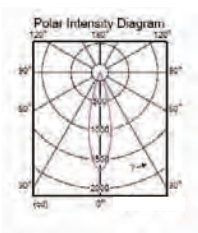


Light Colour	Beam (°)	Weight (kg)	Power	Order Code
● Warm white (2700K)	10	0.4	10W	81612899
○ Neutral white (4000K)	10	0.4	10W	81613599
● Warm white (2700K)	25	0.4	10W	81626599
○ Neutral white (4000K)	25	0.4	10W	81627299
● Warm white (2700K)	40	0.4	10W	81640199
○ Neutral white (4000K)	40	0.4	10W	81641899

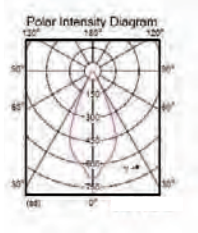


**Polar Intensity Diagram** *(For further Photometric data please contact our technical department)*

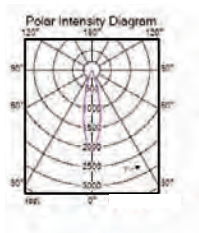
**SpotLED III 2700k**  
 Lamp: 1 x 5 LEDs  
 Beam angle: 25°  
 Luminaire: 348 lm



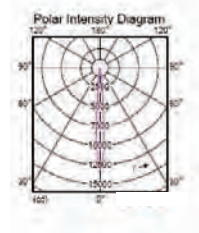
**SpotLED III 2700k**  
 Lamp: 1 x 5 LEDs  
 Beam angle: 40°  
 Luminaire: 353 lm



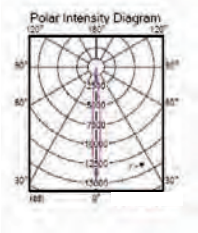
**SpotLED III 4000k**  
 Lamp: 1 x 5 LEDs  
 Beam angle: 25°  
 Luminaire: 410 lm



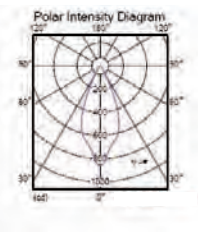
**SpotLED III 2700k**  
 Lamp: 1 x 5 LEDs  
 Beam angle: 10°  
 Luminaire: 347 lm



**SpotLED III 4000k**  
 Lamp: 1 x 5 LEDs  
 Beam angle: 10°  
 Luminaire: 428 lm



**SpotLED III 4000k**  
 Lamp: 1 x 5 LEDs  
 Beam angle: 40°  
 Luminaire: 401 lm





# ArcTone Micro

- \_A range of projectors to create lighting accents;
- \_Ideally suited for retail applications such as fashion stores;
- \_Distinctive design and choice of colour finishes;
- \_Available in warm and cool white, 3150K and 6000K and a choice of 10° or 25° beam angles
- \_No UV or IR in the beam













## ArcTone Micro

### Standard features

<b>Type</b>	<b>BRS531 Projector Micro 3C Track</b> <b>BCS531 Projector Micro Base Plate</b>
<b>Light source</b>	3 x Luxeon K2
<b>Light colour</b>	Warm white 3150K, Cool white 6000K
<b>Power consumption</b>	12W
<b>Driver</b>	220 - 240V / 50 - 60 Hz / 800 mA Integrated into independent driver box
<b>Optic</b>	Narrow beam 10°, Medium beam 25°
<b>Connection</b>	Wieland (W) Push-in (PI)
<b>Controls</b>	Dimming by DALI
<b>Option</b>	Lighting controls: dimming by DALI Emergency lighting
<b>Material</b>	Aluminium
<b>Colour</b>	White (WH) or grey (GR)
<b>Installation</b>	On 3 circuit track (3C) Ceiling mounted: baseplate with connection point (BA)
<b>Operating temp.</b>	-20°C < Ta < 35°C
<b>Lifetime</b>	50,000 hours, 70% lumen maintenance at Ta = 25°C
<b>Accessories</b>	Adaptor ring 150mm to 175mm cut-out diameter
<b>Main applications</b>	Retail, museums, hospitality
<b>Classification code</b>	     

## Product Selection

### BCS531 Surface Mounted



Light Colour	Housing	Beam (°)	Weight (kg)	Power (w)	Order Code
● Cool White (6000K)	Chrome/ Black	10	0.89	12W	68742200
● Cool White (6000K)	Grey/ Black	25	0.89	12W	68741500
● Warm white (3150K)	Grey/ Black	25	0.89	12W	68737800

Further configurations available on request



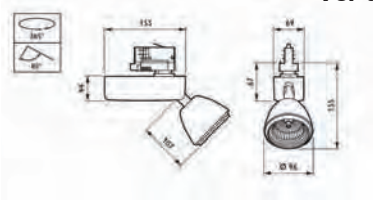


**BRS531 3 Circuit  
Track Mounted**



Light Colour	Housing	Beam (°)	Weight (kg)	Power (w)	Order Code
● Cool White (6000K)	Grey/ Black	10	0.89	12W	68738500
● Cool White (6000K)	Grey/ Black	25	0.89	12W	68739200
● Cool White (6000K)	Black/ White	25	0.89	12W	68740800
● Warm white (3150K)	Glossy Black/ Black	25	0.89	12W	68736100
● Warm white (3150K)	Grey/ Black	25	0.89	12W	68734700
● Warm white (3150K)	Black/ White	25	0.89	12W	68735400

**For track detail, please go to page 313**



**Polar Intensity Diagram** (For further Photometric data please contact our technical department)

**ArcTone BRSS31**

Neutral white

Beam angle: 25°

Luminaire lumens: 991 lm

Lamp: 3150K

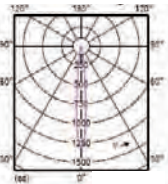
**ArcTone BRSS31**

Neutral white

Beam angle: 10°

Luminaire lumens: 213 lm

Lamp: 6000K



# 3 Circuit Square Track

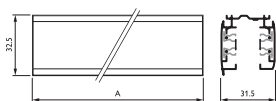
- \_A flexible 3 circuit track system for a wide range of applications;
- \_Ideally suited for accent lighting;
- \_Suitable for horizontal, vertical recessed and surface mounting as well as free floating applications;
- \_Solid aluminium track containing 4 mains voltage electrical lines and a ground loop





### 3 Circuit Square Track

#### Standard features



#### Type

#### RCS750

#### Circuit

3 circuit mains track

#### Length versions

1000mm (L1000)  
2000mm (L2000)  
3000mm (L3000)  
4000mm (L4000)

#### Colour finish

White (WH)  
Black (BL)  
Aluminium (ALU)

#### Installation

3 circuits 250V AC, 16A, 3x3.7 KVA ( total power supply)

#### Main application

Retail, museums, hospitality

#### Classification code



### System Components

#### 3 Circuit Square Track RCS750 3C



Colour finish	Length (mm)	Weight (kg)	Order Code
Aluminium	L1000	0.9	38106000
Aluminium	L2000	1.7	38107700
Aluminium	L3000	2.6	38108400
Aluminium	L4000	3.5	38109100
White	L1000	0.9	38110700
White	L2000	1.7	38111400
White	L3000	2.6	38112100
White	L4000	3.5	38113800
Black	L1000	0.9	79851600
Black	L2000	1.7	79852300
Black	L3000	2.6	79853000
Black	L4000	3.5	79854700

### Power supply feeds and connectors

#### ZRS750 3C EPSR/ EPSSL End power supply feed



Colour finish	End left / right	Weight (kg)	Order Code
Black	right	0.07	14148099
White	right	0.07	38116999
Black	left	0.07	14149799
White	left	0.07	38114599

#### ZRS750 3C CPS Central power supply feed



Colour finish	End left / right	Weight (kg)	Order Code
Black	–	0.1	14155899
White	–	0.1	38122099

#### ZRS750 3C CCPE/CCPI 90degree L shaped coupler



Colour finish	End left / right	Weight (kg)	Order Code
Black	external	0.1	14152799
White	external	0.1	38128299
Black	internal	0.1	14153499
White	internal	0.1	38126899

## Power supply feeds and connectors

### ZRS750 CPF

#### Flexible elbow connector



Colour finish	End left / right	Weight (kg)	Order Code
Black	–	0.14	79855499
White	–	0.14	38120699

### ZRS750 3C TCPL inline T-coupler;



Colour finish	End left / right	Weight (kg)	Order Code
White	left	0.16	38132999
Black	right	0.16	14154199
White	right	0.16	38130599

### ZRS750 3C ICP inline coupler



Colour finish	End left / right	Weight (kg)	Order Code
Black	–	0.03	14151099
White	–	0.03	38118399

### ZRS750 3C EP End plate



Colour finish	End left / right	Weight (kg)	Order Code
Black	–	0.01	14150399
White	–	0.01	38124499

## Ceiling mounting accessories

### ZRS700 2C/3C SCP



Colour finish	qty per set	Weight (kg)	Order Code
Aluminium	2	0.01	14985199
White	2	0.01	14986899
White	1	0.01	38140499

### ZRS750 3C RBA Baseplate for recessed mounting



Colour finish	qty per set	Weight (kg)	Order Code
White	1	0.01	14715499

### ZRS750 3C BA Baseplate for surface mounting



## Suspension accessories

### ZRS700 2c/3c SMS Suspension cable – can be cut to length



Length	Colour finish	qty per set	Weight (kg)	Order Code
1.5m	Aluminium	2	0.03	14988299

### ZRS 2C/3C SPC Suspension clamp



short	aluminium	2	0.02	32527999
long (to be used to reinforce the joint of 2 tracks)	aluminium	2	0.08	32530999



# UnicOne LED





- \_UnicOne LED is a design collection ideal for retail, reception areas, meeting rooms and hospitality areas
- \_Family of products consisting of spotlights, pendants, semi recessed, extractable versions
- \_The geometrical design blends into most architectures
- \_Low energy, 12W
- \_3 x Luxeon K2 LEDs
- \_Warm white 3150K & neutral white 4500K
- \_10 & 25° beams
- \_3 circuit track and surface mounted






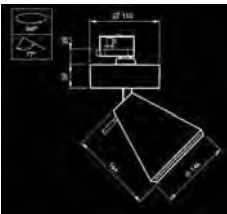
Lighting Design:  
\_Globen, Gerhard Rehm  
Photography:  
\_Honer Akrawi

## UnicOne LED

<b>Standard features</b>	<b>Type</b>	<b>BRS541 Projector Micro</b> <b>BPK541 Pendant Micro Track Mounted</b> <b>BGS541 Semi-Recessed Micro</b> <b>BBS541 Extractable Micro</b> <b>BRX541 Twin Micro</b> BCS541 Track Mounted BGX541 Surface Mounted BBX541 Semi-Recessed Extractable
	<b>Light source</b>	3 x Luxeon K2 / 10 25°
	<b>Light colour</b>	Warm white 3150K, neutral white 4500K
	<b>Power consumption</b>	12W for single version 24W for twin
	<b>Driver</b>	Electronic transformer / driver unit
	<b>Material</b>	Die-cast aluminium
	<b>Colour</b>	White / Grey, other colours on request
	<b>Installation</b>	3 Circuit Track, Surface Mounted, Pendant, Recessed
	<b>Lifetime</b>	50,000 hours, 70% lumen maintenance at Ta = 25 °C
	<b>Main applications</b>	Retail, Museums and Hospitality
	<b>Classification code</b>	   

## Product Selection

<b>UnicOne LED Projector Micro 3 Circuit Track Mounted – BRS541</b>	<b>Light Colour</b>	<b>Housing</b>	<b>Beam (°)</b>	<b>Weight (kg)</b>	<b>Power (w)</b>	<b>Order Code</b>
	● Warm white (3150K)	White	10	0,94	12	68087400
		Grey	10	0,94	12	68086700
	● Cool White (4500K)	White	10	0,94	12	68085000
		Grey	10	0,94	12	68084300



**UnicOne LED  
Pendant Micro  
3 Circuit – BPK54I**

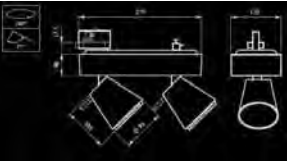


Light Colour	Housing	Beam (°)	Weight (kg)	Power (w)	Order Code
● Warm white (3150K)	White	10	0.90	12	68082900
	Grey	10	0.90	12	68083600

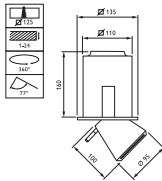
**UnicOne LED Twin Micro  
3 Circuit – BRX54I**



Light Colour	Housing	Beam (°)	Weight (kg)	Power (w)	Order Code
● Warm white (3150K)	Grey	25 x 25	2.05	24	67060800

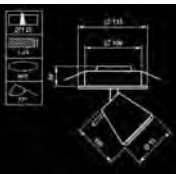


**UnicOne LED  
Extractable Micro –  
BBS54I**



Light Colour	Housing	Beam (°)	Weight (kg)	Power (w)	Order Code
● Warm white (3150K)	White	25	1.45	12	68103100

**UnicOne LED  
Semi-Recessed  
Extractable Gridlight  
BGS54I**



Light Colour	Housing	Beam (°)	Weight (kg)	Power (w)	Order Code
● Warm white (3150K)	Grey	10	1.07	12	68105500
● Cool White (4500K)	White	25	1.07	12	68104800

**For 3 Circuit Track detail, please go to page 268**

☎ For further information call 01483 293 258

# UnicOne Pendant Compact

- \_ Suitable for a range of retail and hospitality applications
- \_ Enhances attractiveness of fresh food
- \_ Featuring fortimo LED DLM module
- \_ Available in 3000K and 4000K white light colour temperatures
- \_ Choice of colour finishes

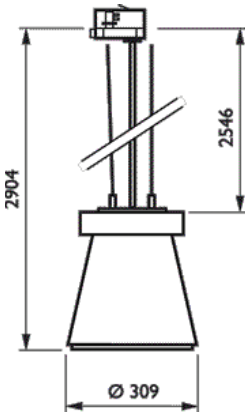






## UnicOne Pendant Compact

### Standard features



### Type

**BPK561**

### Light source

1x DLM1800-50W  
1x DLM2000-50W

### Light colour

Warm White (3000K)  
Cool White (4000K)

### Power consumption

220-240V

### Optic

Wide Beam

### Material and finishing

Housing: Aluminium  
Optic: Aluminium

### Installation

Direct on ceiling: baseplate with connection point (BA)  
Direct on ceiling, 2,5 m cord and cables  
On 3-circuit track (3C)

### Colour

Grey (GR) or white (WH), RAL 9010 Other Ral colours available on request

### Lifetime

50,000 hours, 70% lumen maintenance at Ta = 50degreeC

### Main applications

Retail, supermarkets

### Classification code



## Product Selection

UnicOne Pendant Compact	Light Colour	Housing	Beam	Weight (kg)	Power (W)	Order code
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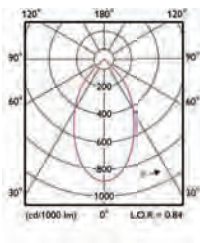
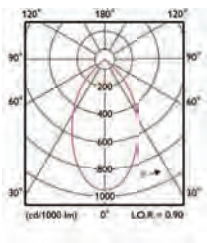


● Warm White 3000K	White	WB 2x29 degree	5.67	50W	925681 00
● Cool White 4000K	White	WB 2x29 degree	5.67	50W	925698 00
● Warm White 3000K	Grey	WB 2x29 degree	5.67	50W	925704 00
● Cool White 4000K	Grey	WB 2x29 degree	5.67	50W	925711 00

## Polar Intensity Diagram (For further Photometric data please contact our technical department)

Luminaire : UnicOne BPK561  
 1xDLM1800-50W/730  
 Lampflux : 1 x 1800 lm  
 Measurement code : LVL1916800  
 Measurement date : 2009-11-13  
 Measurement status : Released  
 L.O.R. : 0.90

Luminaire : UnicOne BPK561  
 1xDLM2000-50W/740  
 Lampflux : 1 x 2000 lm  
 Measurement code : LVL1916400  
 Measurement date : 2009-11-12  
 Measurement status : Released  
 L.O.R. : 0.84



☎ For further information call 01483 293 258

# eW Downlight Powercore®

- \_Ideal applications: lobbies, corridors, conference rooms, retail and hospitality area environments
- \_Surface mounted downlight for general lighting
- \_High energy efficiency and long lifetime, it allows incredible energy and maintenance savings versus halogen based luminaires
- \_Low profile design ensures minimal visual impact. Utilising high-efficacy and high brightness LEDs
- \_Available in warm 2700K and neutral 4000K colour with a medium and wide beam option
- \_Choice of 3 colour finishes
- \_Philips Core Technologies used:

**Powercore®** technology – Power and data combined, eliminating the need of an external power supply

**Chromacore®** – An unprecedented means for adding intelligence to LED illumination devices

**Optibin®** – Production process that ensures light output and colour consistency





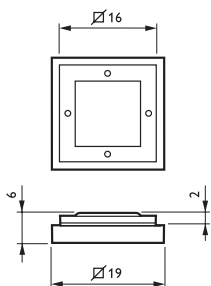


Project  
\_Restaurant Flinstering  
Breda, Netherlands



## eW Downlight Powercore®

### Standard features



### Type

### BCS402

### Light source

9 x HB LED

### Light colour

Warm white 2700K  
Neutral white 4000K

### Power supply

230V AC

### Power consumption

15W

### Controls (optional)

Dimmable with suitable dimmers

### Optic

Medium beam (30°)  
Wide beam (65°)

### Lifetime

50,000 hours  
(70% lumen maintenance at  $T_a = 25^\circ\text{C}$ )

### Adjustment

N.A.

### Material

Housing: aluminium and polycarbonate  
Optic: polycarbonate

### Main applications

Hospitality

### Classification code

IP 20



## Product Selection

### eW Downlight Powercore® – BCS402

(Kit format includes: 1 x Power Module, 1 x Lamp, 1 x Bezel)



Light Colour	Housing Colour	Beam (°)	Weight (kg)	Power (w)	Order Code
● Warm white (2700K)	● Brush Aluminium	30	0.8	15	70008099
○ Neutral white (4000K)	● Aluminium	30	0.8	15	70011099
● Warm white (2700K)		65	0.15	15	70014199
○ Neutral white (4000K)		65	0.15	15	70017299
● Warm white (2700K)	● Black	30	0.8	15	70009799
○ Neutral white (4000K)		30	0.8	15	70012799
● Warm white (2700K)		65	0.15	15	70015899
○ Neutral white (4000K)		65	0.15	15	70018999
● Warm white (2700K)	○ White	30	0.8	15	70010399
○ Neutral white (4000K)		30	0.8	15	70013499
● Warm white (2700K)		65	0.15	15	70016599
○ Neutral white (4000K)		65	0.15	15	70019699

## System Components

### Spare Bezels

### Product

- Brush Aluminium
- Black
- White

### Order Code

71421099  
71420399  
71419799

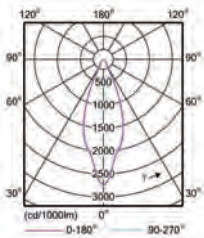
## Polar Intensity Diagram (For further Photometric data please contact our technical department)

eW Downlight Powercore®

30° 2700K BCS401

Lamp: 1 x 9 LEDs

Luminaire Lumens: 1 x 406



For further information call 01483 293 258

# MagneosLED

- \_Indoor LED lighting solution best suited for supermarkets and retail stores
- \_Designed to increase the attractiveness of fresh food produce
- \_Available in 3000K and 4000K white light colour temperatures
- \_Combines breakthrough light output with energy efficiency
- \_2000 lumen version to replace 35W CDM and a 1000 lumen version to replace 20W CDM
- \_Choice of 10°, 20° and 30° degree beam angles
- \_Available in white, grey and black housing

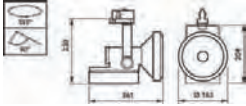




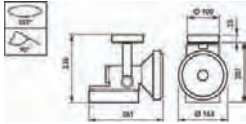
## MagneosLED

### Standard features

3 circuit line



Baseplate line



### Type

**BRS501 (3-circuit version)**  
**BCS501 (surface mounted)**

### Light source

LED1000  
LED2000

### Light colour

Warm white, 3000 K (830)  
Neutral white, 4000 K (840)  
Fresh food red enhancement, 3000 K (830/RD)  
Fresh food yellow enhancement, 3000 K (830/AM)

### Power consumption

45 W (LED2000 lumen)  
25 W (LED1000 lumen)

### Optic

Beam angles 10, 20, 30°

### Material and finishing

Housing: die-cast aluminium  
Optics: plastic

### Installation

On 3-circuit track. Direct on ceiling baseplate with connection point.

### Colour

White (WH) , grey (GR) and black (BK)

### Lifetime

50,000 hours, 70% lumen maintenance at Ta = 25degreeC

### Main applications

Supermarkets

### Classification code





## Product Selection

### BRS501 MagneosLED Track Mounted



Light Colour	Im	Housing	Beam	Order code
● Warm White 3000K	2000	White	18	93223800
● Cool White 4000K	1000	Black	32	93224500
● Warm White 3000K	2000	Grey	18	93317400
● Warm White 3000K	2000	Grey	32	93318100
● Cool White 4000K	1000	Grey	32	93319800
● Cool White 4000K	1000	Grey	18	93320400

### BCS501 MagneosLED

● Cool White 4000K	1000	Black	32	93321100
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### Surface Mounted



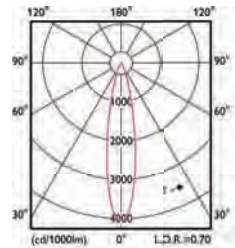
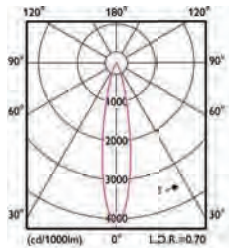
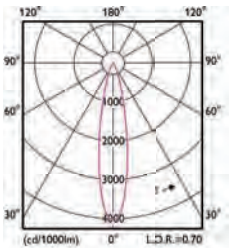
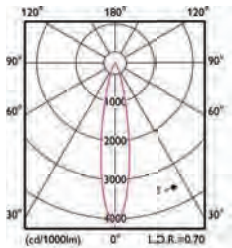
## Polar Intensity Diagram (For further Photometric data please contact our technical department)

Luminaire : BCS501 LED1000/840  
MB18  
Lampflux : 1 x 1760 lm

Luminaire : BCS501 LED2000/840  
MB18  
Lampflux : 1 x 3168 lm

Luminaire : BRS501 LED1000/840  
MB18  
Lampflux : 1 x 1760 lm

Luminaire : BRS501 LED2000/840  
MB18  
Lampflux : 1 x 3168 lm



# StyliD

- \_ Suitable for a range of retail and hospitality applications
- \_ Offers substantially lower energy savings compared to halogen
- \_ Covers all accent lighting applications
- \_ Available in 3000K and 4000K white light colour temperatures
- \_ Beam angles of 13, 25 and 40 degrees (Use degree symbol)
- \_ Range includes downlights, projectors, and 3C track system
- \_ All available in 3 different sizes – micro, mini and compact
- \_ Available in standard, black, grey and white housings with a choice of many other colour options





## StyliD micro versions

### Standard features

<b>Type</b>	<b>BBG510</b> (recessed, fixed round) <b>BBG511</b> (recessed, fixed square) <b>BBG512</b> (recessed, adjustable round) <b>BBG513</b> (recessed, adjustable square) <b>BBG514</b> (semi recessed, adjustable round) <b>BBG515</b> (semi recessed, adjustable square) <b>BCG510</b> (surfaced mounted) <b>BRG510</b> (3-circuit track) <b>BCS501</b> (baseplate version)
<b>Light source</b>	1 × SLED400
<b>Light colour</b>	Warm white, 3000 K Neutral white, 4000 K
<b>Power consumption</b>	10 W
<b>Optic</b>	Beam angles 13, 25, 40°
<b>Material</b>	Heat sink, reflectors and housing: aluminium Fixation: steel and polycarbonate Driver box, accessory and optic holder: plastic Lenses: polycarbonate
<b>Colour</b>	Brushed aluminium (BA), white (WH) or black (BK) Customized colour available on request
<b>Lifetime</b>	50,000 hours, 70% lumen maintenance at $T_a = 25^\circ\text{C}$



BBG510



BBG511



BBG512



BBG513



BBG514



BBG515



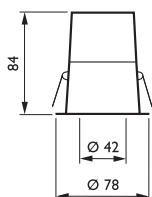
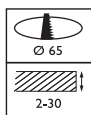
BCG510



BRG510

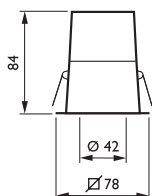
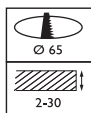
## StylID micro versions

### BBG510 Micro (recessed, fixed round)



Light Colour	Beam	Power	Housing Colour	Dimming	Order Code
Warm White 3000K	15	10W	White	ELV	72620200
Warm White 3000K	25	10W	White	ELV	72652300
Warm White 3000K	40	10W	White	ELV	72684400
Warm White 3000K	15	10W	White	No	72604200
Warm White 3000K	40	10W	White	No	72668400
Cool White 4000K	15	10W	White	ELV	72628800
Cool White 4000K	25	10W	White	ELV	72660800
Cool White 4000K	40	10W	White	ELV	72692900
Cool White 4000K	15	10W	White	No	72612700
Cool White 4000K	25	10W	White	No	72644800
Cool White 4000K	40	10W	White	No	72676900

### BBG511 Micro (recessed, fixed square)

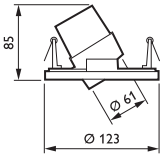
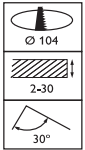


Light Colour	Beam	Power	Housing Colour	Dimming	Order Code
Warm White 3000K	15	10W	White	ELV	72621900
Warm White 3000K	25	10W	White	ELV	72653000
Warm White 3000K	40	10W	White	ELV	72685100
Warm White 3000K	15	10W	White	No	72605900
Warm White 3000K	25	10W	White	No	72637000
Warm White 3000K	40	10W	Aluminium	No	72974600
Warm White 3000K	40	10W	White	No	72669100
Cool White 4000K	15	10W	White	ELV	72629500
Cool White 4000K	25	10W	White	ELV	72661500
Cool White 4000K	40	10W	White	ELV	72693600
Cool White 4000K	15	10W	White	No	72613400
Cool White 4000K	25	10W	White	No	72645500
Cool White 4000K	40	10W	White	No	72677600



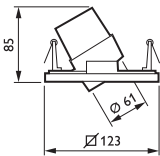
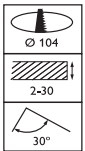
## StyliD micro versions

### BBG512 Micro (recessed, adjustable round)



Light Colour	Beam	Power	Housing Colour	Dimming	Order Code
Warm White 3000K	15	10W	White	ELV	72622600
Warm White 3000K	25	10W	White	ELV	72654700
Warm White 3000K	40	10W	White	ELV	72686800
Warm White 3000K	15	10W	White	No	72606600
Warm White 3000K	25	10W	White	No	72638700
Warm White 3000K	40	10W	White	No	72670700
Cool White 4000K	15	10W	Aluminium	ELV	72630100
Cool White 4000K	25	10W	White	ELV	72662200
Cool White 4000K	25	10W	White	ELV	72973900
Cool White 4000K	40	10W	White	ELV	72694300
Cool White 4000K	15	10W	Aluminium	No	72614100
Cool White 4000K	25	10W	White	No	72646200
Cool White 4000K	25	10W	White	No	73069800
Cool White 4000K	40	10W	White	No	72678300

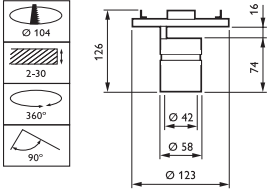
### BBG513 Micro (recessed, adjustable square)



Light Colour	Beam	Power	Housing Colour	Dimming	Order Code
Warm White 3000K	15	10W	White	ELV	72623300
Warm White 3000K	25	10W	White	ELV	72655400
Warm White 3000K	40	10W	White	ELV	72687500
Warm White 3000K	15	10W	White	No	72607300
Warm White 3000K	25	10W	White	No	72639400
Warm White 3000K	40	10W	White	No	72671400
Cool White 4000K	15	10W	White	ELV	72631800
Cool White 4000K	25	10W	White	ELV	72663900
Cool White 4000K	40	10W	White	ELV	72695000
Cool White 4000K	15	10W	White	No	72615800
Cool White 4000K	25	10W	White	No	72647900
Cool White 4000K	40	10W	White	No	72679000

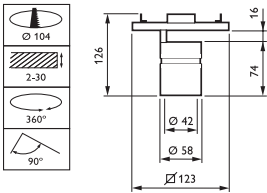
## StylID micro versions

### BBG514 Micro (semi recessed, adjustable round)



Light Colour	Beam	Power	Housing Colour	Dimming	Order Code
● Warm White 3000K	15	10W	White	ELV	72624000
● Warm White 3000K	25	10W	White	ELV	72656100
● Warm White 3000K	40	10W	White	ELV	72688200
● Warm White 3000K	15	10W	White	No	72608000
● Warm White 3000K	25	10W	White	No	72640000
● Warm White 3000K	40	10W	White	No	72672100
● Cool White 4000K	15	10W	White	ELV	72632500
● Cool White 4000K	25	10W	White	ELV	72664600
● Cool White 4000K	40	10W	White	ELV	72696700
● Cool White 4000K	15	10W	White	No	72616500
● Cool White 4000K	25	10W	White	No	72648600
● Cool White 4000K	40	10W	White	No	72680600

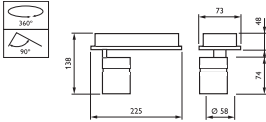
### BBG515 Micro (semi recessed, adjustable square)



Light Colour	Beam	Power	Housing Colour	Dimming	Order Code
● Warm White 3000K	15	10W	White	ELV	72625700
● Warm White 3000K	25	10W	White	ELV	72657800
● Warm White 3000K	40	10W	White	ELV	72689900
● Warm White 3000K	15	10W	White	No	72609700
● Warm White 3000K	25	10W	White	No	72641700
● Warm White 3000K	40	10W	White	No	72673800
● Cool White 4000K	15	10W	White	ELV	72633200
● Cool White 4000K	25	10W	White	ELV	72665300
● Cool White 4000K	40	10W	White	ELV	72697400
● Cool White 4000K	15	10W	White	No	72617200
● Cool White 4000K	25	10W	White	No	72649300
● Cool White 4000K	40	10W	White	No	72681300

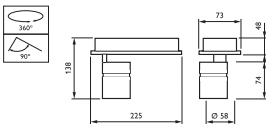
## StylID micro versions

### BCG510 (surface mounted)



Light Colour	Beam	Power	Housing Colour	Dimming	Order Code
Warm White 3000K	15	10W	White	ELV	72626400
Warm White 3000K	25	10W	White	ELV	72658500
Warm White 3000K	40	10W	White	ELV	72690500
Warm White 3000K	15	10W	Aluminium	No	72971500
Warm White 3000K	15	10W	White	No	72610300
Warm White 3000K	25	10W	White	No	72642400
Warm White 3000K	40	10W	White	No	72674500
Cool White 4000K	15	10W	White	ELV	72634900
Cool White 4000K	25	10W	White	ELV	72666000
Cool White 4000K	40	10W	White	ELV	72698100
Cool White 4000K	15	10W	White	No	72618900
Cool White 4000K	25	10W	White	No	72650900
Cool White 4000K	40	10W	White	No	72682000

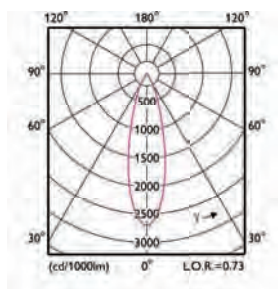
### BRG510 (3-circuit track)



Light Colour	Beam	Power	Housing Colour	Dimming	Order Code
Warm White 3000K	15	10W	White	ELV	72627100
Warm White 3000K	25	10W	White	ELV	72659200
Warm White 3000K	40	10W	White	ELV	72691200
Warm White 3000K	15	10W	White	No	72611000
Warm White 3000K	25	10W	White	No	72643100
Warm White 3000K	40	10W	Aluminium	No	72975300
Warm White 3000K	40	10W	White	No	72675200
Cool White 4000K	15	10W	White	ELV	72635600
Cool White 4000K	25	10W	White	ELV	72667700
Cool White 4000K	40	10W	White	ELV	72699800
Cool White 4000K	15	10W	White	No	72619600
Cool White 4000K	25	10W	White	No	72651600
Cool White 4000K	40	10W	White	No	72683700

## Polar Intensity Diagram (For further Photometric data please contact our technical department)

Luminaire : StyliD Micro 1xXPEWW  
Medium Beam  
Lampflux : 1 x 592 lm

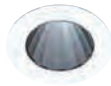


For further information call 01483 293 258

## StylID mini versions

### Standard features

<b>Type</b>	<b>BBG520</b> (recessed, fixed round) <b>BBG521</b> (recessed, fixed square) <b>BBG522</b> (recessed, adjustable round) <b>BBG523</b> (recessed, adjustable square) <b>BBG524</b> (semi recessed, adjustable round) <b>BBG525</b> (semi recessed, adjustable square) <b>BCG520</b> (surfaced mounted) <b>BRG520</b> (3-circuit track)
<b>Light source</b>	1 x SLED800
<b>Light colour</b>	Warm white, 3000 K Neutral white, 4000 K
<b>Power consumption</b>	17W
<b>Optic</b>	Beam angles 13, 25, 40°
<b>Material</b>	Heat sink, reflectors and housing: aluminium Fixation: steel and polycarbonate Driver box, accessory and optic holder: plastic Lenses: polycarbonate
<b>Colour</b>	Brushed aluminium (BA), white (WH) or black (BK) Customized colour available on request
<b>Lifetime</b>	50,000 hours, 70% lumen maintenance at $T_a = 25^\circ\text{C}$



BBG520



BBG521



BBG522



BBG523



BBG524



BBG525



BCG520

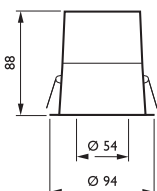
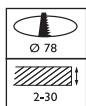


BRG520



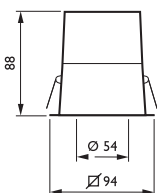
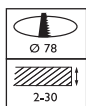
## StylID mini versions

### BBG520 Mini (recessed, fixed round)



Light Colour	Beam	Power	Housing Colour	Dimming	Order Code
Warm White 3000K	25	17W	Aluminium	DALI	73054400
Warm White 3000K	40	17W	Aluminium	DALI	73073500
Warm White 3000K	25	17W	White	ELV	72771100
Warm White 3000K	40	17W	White	ELV	72803900
Warm White 3000K	15	17W	White	No	72723000
Warm White 3000K	25	17W	White	No	72755100
Warm White 3000K	40	17W	White	No	72787200
Cool White 4000K	15	17W	White	ELV	72747600
Cool White 4000K	25	17W	White	ELV	72779700
Cool White 4000K	40	17W	White	ELV	72811400
Cool White 4000K	15	17W	White	No	72731500
Cool White 4000K	25	17W	White	No	72763600
Cool White 4000K	40	17W	White	No	72795700

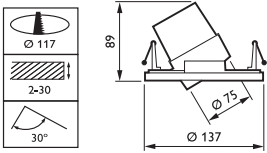
### BBG521 Mini (recessed, fixed square)



Light Colour	Beam	Power	Housing Colour	Dimming	Order Code
Warm White 3000K	15	17W	White	ELV	72740700
Warm White 3000K	25	17W	White	ELV	72772800
Warm White 3000K	40	17W	White	ELV	72804600
Warm White 3000K	15	17W	White	No	72724700
Warm White 3000K	25	17W	White	No	72756800
Warm White 3000K	40	17W	White	No	72788900
Cool White 4000K	15	17W	White	ELV	72748300
Cool White 4000K	25	17W	White	ELV	72780300
Cool White 4000K	40	17W	White	ELV	72812100
Cool White 4000K	15	17W	White	No	72732200
Cool White 4000K	25	17W	White	No	72764300
Cool White 4000K	25	17W	Aluminium	No	72977700
Cool White 4000K	40	17W	White	No	72796400

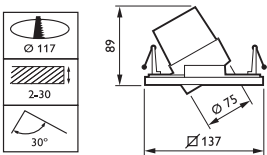
## StylID mini versions

### BBG522 Mini (recessed, adjustable round)



Light Colour	Beam	Power	Housing Colour	Dimming	Order Code
● Warm White 3000K	25	17W	Aluminium	DALI	73074200
● Warm White 3000K	25	17W	Black	DALI	73035300
● Warm White 3000K	15	17W	White	ELV	72741400
● Warm White 3000K	25	17W	White	ELV	72773500
● Warm White 3000K	40	17W	White	ELV	72805300
● Warm White 3000K	15	17W	White	No	72725400
● Warm White 3000K	25	17W	White	No	72757500
● Warm White 3000K	40	17W	Aluminium	No	72979100
● Warm White 3000K	40	17W	Aluminium	No	72789600
● Cool White 4000K	15	17W	White	ELV	72749000
● Cool White 4000K	25	17W	White	ELV	72781000
● Cool White 4000K	40	17W	White	ELV	72813800
● Cool White 4000K	15	17W	White	No	72733900
● Cool White 4000K	25	17W	White	No	72765000
● Cool White 4000K	40	17W	White	No	72797100

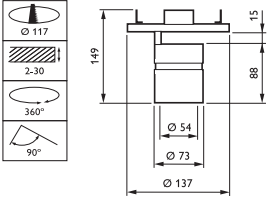
### BBG523 Mini (recessed, adjustable square)



Light Colour	Beam	Power	Housing Colour	Dimming	Order Code
● Warm White 3000K	15	17W	White	ELV	72742100
● Warm White 3000K	25	17W	White	ELV	72774200
● Warm White 3000K	40	17W	White	ELV	72806000
● Warm White 3000K	15	17W	White	No	72726100
● Cool White 4000K	15	17W	White	ELV	72734600
● Cool White 4000K	15	17W	White	ELV	72750600
● Cool White 4000K	25	17W	White	ELV	72782700
● Cool White 4000K	25	17W	White	No	72766700
● Cool White 4000K	40	17W	White	No	72814500
● Cool White 4000K	40	17W	White	No	72798800

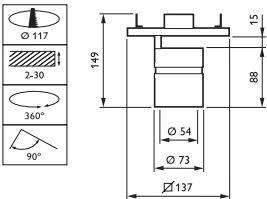
## StylID mini versions

### BBG524 Mini (semi recessed, adjustable round)



Light Colour	Beam	Power	Housing Colour	Dimming	Order Code
Warm White 3000K	15	17W	White	ELV	72743800
Warm White 3000K	15	17W	Aluminium	ELV	72976000
Warm White 3000K	15	17W	White	ELV	72751300
Warm White 3000K	25	17W	White	ELV	72775900
Warm White 3000K	15	17W	White	No	72735300
Warm White 3000K	15	17W	White	No	72727800
Warm White 3000K	25	17W	White	No	72759900
Cool White 4000K	25	17W	White	No	72767400
Cool White 4000K	40	17W	White	No	72791900
Cool White 4000K	40	17W	White	No	72799500
Cool White 4000K	25	17W	White	ELV	72783400
Cool White 4000K	40	17W	White	ELV	72807700
Cool White 4000K	40	17W	White	ELV	72815200

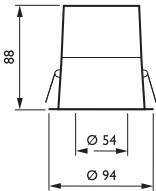
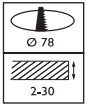
### BBG525 Mini (semi recessed, adjustable square)



Light Colour	Beam	Power	Housing Colour	Dimming	Order Code
Warm White 3000k	15	17W	White	ELV	72744500
Warm White 3000k	25	17W	White	ELV	72776600
Warm White 3000k	40	17W	White	ELV	72808400
Warm White 3000k	15	17W	White	No	72728500
Warm White 3000k	25	17W	White	No	72760500
Warm White 3000k	40	17W	White	No	72792600
Cool White 4000k	25	17W	Aluminium	DALI	73036000
Cool White 4000k	15	17W	White	ELV	72752000
Cool White 4000k	25	17W	White	ELV	72784100
Cool White 4000k	40	17W	White	ELV	72816900
Cool White 4000k	15	17W	White	No	72736000
Cool White 4000k	25	17W	White	No	72768100
Cool White 4000k	40	17W	White	No	72800800

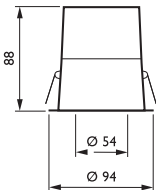
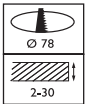
## StylID mini versions

### BCG520 Mini (surface mounted)



Light Colour	Beam	Power	Housing Colour	Dimming	Order Code
Warm White 3000K	15	17W	White	ELV	72745200
Warm White 3000K	25	17W	White	ELV	72777300
Warm White 3000K	40	17W	White	ELV	72809100
Warm White 3000K	15	17W	White	No	72729200
Warm White 3000K	25	17W	White	No	72761200
Warm White 3000K	40	17W	White	No	72793300
Cool White 4000K	15	17W	White	ELV	72753700
Cool White 4000K	25	17W	White	ELV	72785800
Cool White 4000K	40	17W	White	ELV	72817600
Cool White 4000K	25	17W	Aluminium	No	72978400
Cool White 4000K	15	17W	White	No	72737700
Cool White 4000K	25	17W	White	No	72769800
Cool White 4000K	40	17W	White	No	72801500

### BRG520 Mini (3-circuit track)



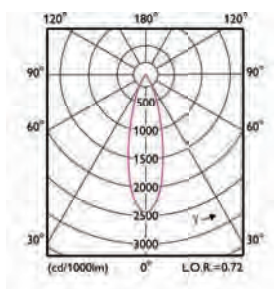
Light Colour	Beam	Power	Housing Colour	Dimming	Order Code
Warm White 3000K	15	17W	White	ELV	72746900
Warm White 3000K	25	17W	White	ELV	72778000
Warm White 3000K	40	17W	Aluminium	ELV	72980700
Warm White 3000K	40	17W	White	ELV	72810700
Warm White 3000K	15	17W	White	No	72730800
Warm White 3000K	25	17W	White	No	72762900
Warm White 3000K	40	17W	White	No	72794000
Cool White 4000K	15	17W	White	ELV	72754400
Cool White 4000K	25	17W	White	ELV	72786500
Cool White 4000K	40	17W	White	ELV	72818300
Cool White 4000K	15	17W	White	No	72738400
Cool White 4000K	25	17W	White	No	72770400
Cool White 4000K	40	17W	White	No	72802200

## Polar Intensity Diagram (For further Photometric data please contact our technical department)

Luminaire : StyliD Mini I x XPEWW

Medium Beam

Lampflux : I x 888 lm



For further information call 01483 293 258



## StyliD compact versions

### Standard features

<b>Type</b>	<b>BBG530</b> (recessed, fixed round) <b>BBG531</b> (recessed, fixed square) <b>BBG532</b> (recessed, adjustable round) <b>BBG533</b> (recessed, adjustable square) <b>BBG534</b> (semi recessed, adjustable round) <b>BBG535</b> (semi recessed, adjustable square) <b>BCG530</b> (surfaced mounted) <b>BRG530</b> (3-circuit track)
<b>Light source</b>	1 × SLED1200
<b>Light colour</b>	Warm white, 3000 K Neutral white, 4000 K
<b>Power consumption</b>	24 W
<b>Optic</b>	Beam angles 13, 25, 40°
<b>Material</b>	Heat sink, reflectors and housing: aluminium Fixation: steel and polycarbonate Driver box, accessory and optic holder: plastic Lenses: polycarbonate
<b>Colour</b>	Brushed aluminium (BA), white (WH) or black (BK) Customized colour available on request
<b>Lifetime</b>	50,000 hours, 70% lumen maintenance at $T_a = 25^\circ\text{C}$



BBG530



BBG531



BBG532



BBG533



BBG534



BBG535



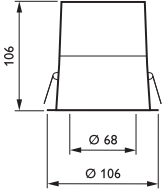
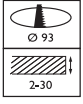
BCG530



BRG530

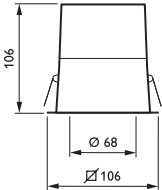
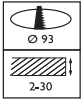
## StylID compact versions

### BBG530 Compact (recessed, fixed round)



Light Colour	Beam	Power	Housing Colour	Dimming	Order Code
● Warm White 3000K	15	24W	White	ELV	72858900
● Warm White 3000K	25	24W	White	ELV	72890900
● Warm White 3000K	40	24W	White	ELV	72922700
● Warm White 3000K	15	24W	White	No	72842800
● Warm White 3000K	40	24W	White	No	72906700
● Cool White 4000K	15	24W	White	ELV	72866400
● Cool White 4000K	25	24W	White	ELV	72898500
● Cool White 4000K	40	24W	White	ELV	72930200
● Cool White 4000K	15	24W	White	No	72850300
● Cool White 4000K	25	24W	White	No	72882400
● Cool White 4000K	40	24W	White	No	72914200

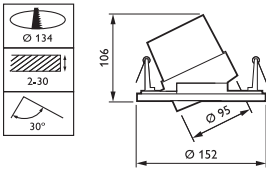
### BBG531 Compact (recessed, fixed square)



Light Colour	Beam	Power	Housing Colour	Dimming	Order Code
● Warm White 3000K	15	24W	White	ELV	72859600
● Warm White 3000K	25	24W	White	ELV	72891600
● Warm White 3000K	25	24W	Aluminium	ELV	72983800
● Warm White 3000K	40	24W	White	ELV	72923400
● Warm White 3000K	15	24W	White	No	72843500
● Warm White 3000K	25	24W	White	No	72875600
● Warm White 3000K	40	24W	White	No	72907400
● Cool White 4000K	15	24W	White	ELV	72867100
● Cool White 4000K	25	24W	White	ELV	72899200
● Cool White 4000K	40	24W	White	ELV	72931900
● Cool White 4000K	15	24W	White	No	72851000
● Cool White 4000K	25	24W	White	No	72883100
● Cool White 4000K	40	24W	White	No	72915900

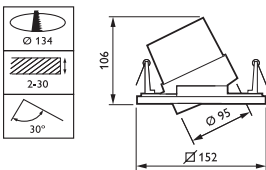
## StylID compact versions

### BBG532 Compact (recessed, adjustable round)



Light Colour	Beam	Power	Housing Colour	Dimming	Order Code
Warm White 3000K	25	24W	Aluminium	DALI	72984500
Warm White 3000K	25	24W	Aluminium	ELV	73071100
Warm White 3000K	25	24W	White	ELV	72892300
Warm White 3000K	15	24W	White	ELV	72860200
Warm White 3000K	40	24W	White	ELV	72924100
Warm White 3000K	25	24W	Aluminium	No	73079700
Warm White 3000K	15	24W	White	No	72844200
Warm White 3000K	25	24W	White	No	73067400
Warm White 3000K	25	24W	White	No	72876300
Warm White 3000K	40	24W	White	No	72908100
Cool White 4000K	15	24W	White	ELV	72868800
Cool White 4000K	25	24W	White	ELV	72900500
Cool White 4000K	40	24W	White	ELV	72932600
Cool White 4000K	15	24W	White	No	72852700
Cool White 4000K	25	24W	White	No	72884800
Cool White 4000K	40	24W	White	No	72916600

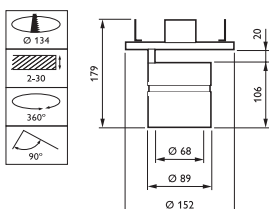
### BBG533 Compact (recessed, adjustable square)



Light Colour	Beam	Power	Housing Colour	Dimming	Order Code
Warm White 3000K	15	24W	White	ELV	72861900
Warm White 3000K	25	24W	White	ELV	72893000
Warm White 3000K	40	24W	White	ELV	72925800
Warm White 3000K	15	24W	White	No	72845900
Warm White 3000K	25	24W	White	No	72877000
Warm White 3000K	40	24W	White	No	72909800
Cool White 4000K	15	24W	White	ELV	72869500
Cool White 4000K	25	24W	White	ELV	72901200
Cool White 4000K	40	24W	White	ELV	72933300
Cool White 4000K	15	24W	White	No	72853400
Cool White 4000K	25	24W	White	No	72885500
Cool White 4000K	40	24W	Aluminium	No	73075900
Cool White 4000K	40	24W	White	No	72917300

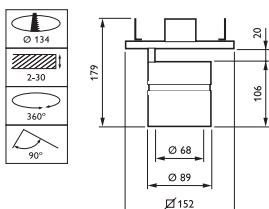
## StylID compact versions

### BBG534 Compact (semi recessed, adjustable round)



Light Colour	beam	Power	Housing Colour	Dimming	Order Code
● Warm White 3000K	15	24W	White	ELV	72862600
● Warm White 3000K	25	24W	White	ELV	72894700
● Warm White 3000K	40	24W	White	ELV	72926500
● Warm White 3000K	15	24W	White	No	72846600
● Warm White 3000K	25	24W	Black	No	73068100
● Warm White 3000K	25	24W	White	No	72878700
● Warm White 3000K	40	24W	White	No	72910400
● Cool White 4000K	25	24W	Black	DALI	73063600
● Cool White 4000K	15	24W	White	ELV	72870100
● Cool White 4000K	25	24W	White	ELV	72902900
● Cool White 4000K	40	24W	Aluminium	ELV	72985200
● Cool White 4000K	40	24W	White	ELV	72934000
● Cool White 4000K	15	24W	White	No	72854100
● Cool White 4000K	25	24W	White	No	72886200
● Cool White 4000K	40	24W	White	No	72918000

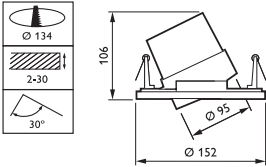
### BBG535 Compact (semi recessed, adjustable square)



Light Colour	Beam	Power	Housing Colour	Dimming	Order Code
● Warm White 3000K	15	24W	White	ELV	72863300
● Warm White 3000K	25	24W	White	ELV	72895400
● Warm White 3000K	40	24W	White	ELV	72927200
● Warm White 3000K	15	24W	White	No	72847300
● Warm White 3000K	25	24W	White	No	72879400
● Warm White 3000K	40	24W	Aluminium	No	73076600
● Warm White 3000K	40	24W	White	No	72911100
● Cool White 4000K	15	24W	White	ELV	72871800
● Cool White 4000K	25	24W	White	ELV	72903600
● Cool White 4000K	40	24W	White	ELV	72935700
● Cool White 4000K	15	24W	White	No	72855800
● Cool White 4000K	25	24W	White	No	72887900
● Cool White 4000K	40	24W	White	No	72919700

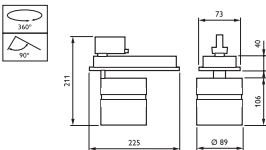
## StylID compact versions

### BBG532 Compact (recessed, adjustable round)



Light Colour	Beam	Power	Housing Colour	Dimming	Order Code
● Warm White 3000K	15	24W	White	ELV	72864000
● Warm White 3000K	25	24W	White	ELV	72896100
● Warm White 3000K	40	24W	White	ELV	72928900
● Warm White 3000K	15	24W	White	No	72848000
● Warm White 3000K	25	24W	White	No	72880000
● Warm White 3000K	40	24W	White	No	72912800
● Cool White 4000K	15	24W	White	ELV	72872500
● Cool White 4000K	25	24W	White	ELV	72904300
● Cool White 4000K	40	24W	White	ELV	72936400
● Cool White 4000K	15	24W	White	No	72982100
● Cool White 4000K	25	24W	Aluminium	No	72888600
● Cool White 4000K	25	24W	White	No	72856500
● Cool White 4000K	40	24W	White	No	72920300

### BRG530 Compact (3-circuit track)

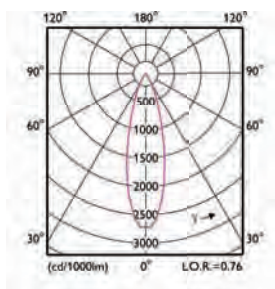


Light Colour	Beam	Power	Housing Colour	Dimming	Order Code
● Warm White 3000K	15	24W	Aluminium	DALI	73037700
● Warm White 3000K	25	24W	Aluminium	DALI	73685000
● Warm White 3000K	15	24W	Aluminium	ELV	73072800
● Warm White 3000K	15	24W	White	ELV	72897800
● Warm White 3000K	25	24W	Aluminium	ELV	72981400
● Warm White 3000K	25	24W	White	ELV	72865700
● Warm White 3000K	40	24W	White	ELV	72929600
● Warm White 3000K	15	24W	White	No	73059900
● Warm White 3000K	25	24W	Aluminium	No	73083400
● Warm White 3000K	25	24W	Black	No	72881700
● Warm White 3000K	25	24W	White	No	73065000
● Warm White 3000K	25	24W	White	No	72849700
● Warm White 3000K	40	24W	White	No	72913500
● Cool White 4000K	25	24W	Black	DALI	73064300
● Cool White 4000K	15	24W	White	ELV	72873200
● Cool White 4000K	25	24W	White	ELV	72905000
● Cool White 4000K	40	24W	White	ELV	72937100
● Cool White 4000K	15	24W	White	No	72857200
● Cool White 4000K	25	24W	White	No	72889300
● Cool White 4000K	25	24W	Aluminium	No	73062900
● Cool White 4000K	40	24W	Aluminium	No	73077300
● Cool White 4000K	40	24W	Black	No	73078000
● Cool White 4000K	40	24W	White	No	72921000



## Polar Intensity Diagram (For further Photometric data please contact our technical department)

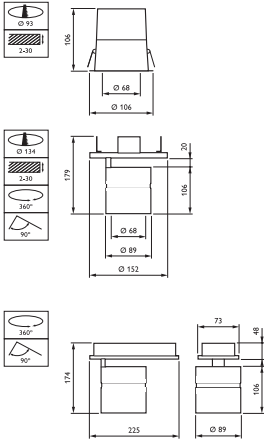
Luminaire : StyliD Compact 1xXPE  
 WW Medium Beam  
 Lampflux : 1 x 1332 lm



For further information call 01483 293 258

## StyliD Compact Power

### Standard features



### Type

**BBG540 ( Recessed, Fixed Round)**  
**BBG541 ( Recessed, Fixed Square)**  
**BBG542 ( Recessed, Adjustable Round)**  
**BBG543 ( Recessed, Adjustable Square)**  
**BBG544 (Semi Recessed, Adjustable Round)**  
**BBG545 ( Semi Recessed, Adjustable Square)**  
**BCG540 ( Surface Mounted)**  
**BRG540 ( 3-Circuit track)**  
**BCS540 (Baseplate Version)**

### Light colour

Warm white, 3000 K  
 Neutral white, 4000 K

### Power Consumption

3000K 38W and 4000K 42W

### Power supply

I X SLED1700

### Driver

PSU - Static, PSR - ELV, PSD - DALI

### Optic

13, 25, 40

### Materials and finishing

Heat Sink, reflectors and housing: Aluminium. Fixation: Steel and Polycarbonate. Driver Box: accessory and optic holder: Plastic lenses: polycarbonate

### Lifetime

50,000hrs, 70% lumen maintenance at T = 25c

## Product Selection

### BBG540

#### (Recessed, Fixed Round)

Light Colour	Beam	Power	Housing Colour	Dimming	Order Code
Warm White (2700 K)	25	38W	White	ELV	8500300
Warm White (2700 K)	40	38W	White	ELV	8501000
Cool White (4000K)	25	42W	White	ELV	8502700
Cool White (4000K)	40	42W	White	ELV	8503400
Warm White (2700 K)	25	38W	White	DALI	8532400
Warm White (2700 K)	25	38W	White	Static	8809700

### BBG541

#### (Recessed, Fixed Square)

Light Colour	Beam	Power	Housing Colour	Dimming	Order Code
Warm White (2700 K)	25	38W	White	ELV	8504100
Warm White (2700 K)	40	38W	White	ELV	8505800
Cool White (4000K)	25	42W	White	ELV	8506500
Cool White (4000K)	40	42W	White	ELV	8507200

### BBG542 (Recessed, Adjustable Round)

Light Colour	Beam	Power	Housing Colour	Dimming	Order Code
Warm White (2700 K)	25	38W	White	ELV	8508900
Warm White (2700 K)	40	38W	White	ELV	8509600
Cool White (4000K)	25	42W	White	ELV	8510200
Cool White (4000K)	40	42W	White	ELV	8511900

### BBG543 (Recessed, Adjustable Square)

Light Colour	Beam	Power	Housing Colour	Dimming	Order Code
Warm White (2700 K)	25	38W	White	ELV	8512600
Warm White (2700 K)	40	38W	White	ELV	8513300
Cool White (4000K)	25	42W	White	ELV	8514000
Cool White (4000K)	40	42W	White	ELV	8515700

## Product Selection

### BBG544 (Semi Recessed, Adjustable Round)

Light Colour	Beam	Power	Housing Colour	Dimming	Order Code
● Warm White (2700 K)	25	38W	White	ELV	8516400
● Warm White (2700 K)	40	38W	White	ELV	8517100
● Cool White (4000K)	25	42W	White	ELV	8518800
● Cool White (4000K)	40	42W	White	ELV	8519500

### BBG545 (Semi Recessed, Adjustable Square)

Light Colour	Beam	Power	Housing Colour	Dimming	Order Code
● Warm White (2700 K)	25	38W	White	ELV	8520100
● Warm White (2700 K)	40	38W	White	ELV	8521800
● Cool White (4000K)	25	42W	White	ELV	8522500
● Cool White (4000K)	40	42W	White	ELV	8523200

### BCG540 (Surface Mounted)

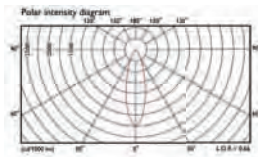
Light Colour	Beam	Power	Housing Colour	Dimming	Order Code
● Warm White (2700 K)	25	38W	White	ELV	8524900
● Warm White (2700 K)	40	38W	White	ELV	8525600
● Cool White (4000K)	25	42W	White	ELV	8526300
● Cool White (4000K)	40	42W	White	ELV	8527000

### BRG540 (3-Circuit track)

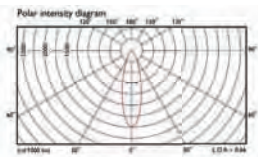
Light Colour	Beam	Power	Housing Colour	Dimming	Order Code
● Warm White (2700 K)	25	38W	White	ELV	8528700
● Warm White (2700 K)	40	38W	White	ELV	8529400
● Cool White (4000K)	25	42W	White	ELV	8530000
● Cool White (4000K)	40	42W	White	ELV	8531700
● Warm White (2700 K)	25	38W	White	DALI	8533100

## Polar Intensity Diagram (For further Photometric data please contact our technical department)

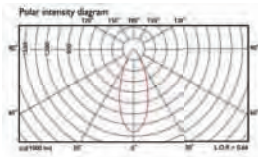
**BBG540 1xSLED1700/830 MB**  
Lampflux : 1 x 2795 lm



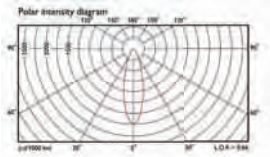
**BBG542 1xSLED1700/840 MB**  
Lampflux : 1 x 3186 lm



**BBG544 1xSLED1700/840 WB**  
Lampflux : 1 x 3186 lm



**BRG540 1xSLED1700/840 MB**  
Lampflux : 1 x 3186 lm



# DaySign Projector

- \_Atmospheric and general lighting suitable in office, retail and hospitality areas
- \_Ultra-slim LED solution with breakthrough design
- \_Unobtrusive and blends in with the decor
- \_Solo or twin LED discs
- \_Available in adjustable spots (360° horizontal, 2x90° vertical), surface-mounted and pendant luminaires
- \_Non-glaring light emitting surface

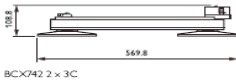
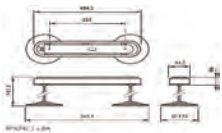
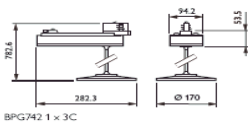
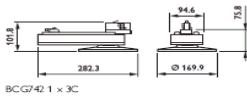
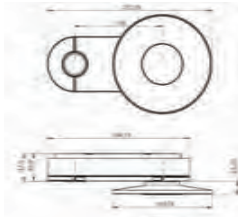






# DaySign Projector

## Standard features



### Type

**BCG742 (Surface Mounted)**  
**BRS741 (Track Mounted)**  
**BCS741 (Surface Mounted)**  
**BPG742 (Pendant Solo Version)**  
**BPX742 (Pendant Twin Version)**  
**BCX742 (Surface Mounted Twin)**

### Light source

1x GLED

### Light colour

Warm White (3000K)  
 Cool White (4000K)

### Power consumption

220-240V

### Optic

Beam angles 36°, 60°

### Material and finishing

Housing: Die-cast aluminium  
 Optic: Aluminium

### Installation

On 3-circuit track. Direct on ceiling baseplate with connection point.

### Colour

White, grey, black, brushed aluminium, chrome, glossy white, glossy black, brass, dark chrome, RAL on request

### Lifetime

35,000 hours, 70% lumen maintenance at Ta = 25degreeC

### Main applications

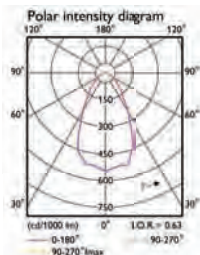
Office, retail, hospitality

### Classification code



## Polar Intensity Diagram (For further Photometric data please contact our technical department)

Polar Intensity Diagram  
 Luminaire : Galaxy DaySign 16xCree XPE Wide beam 60  
 Lampflux : 16 x 80 lm  
 Measurement code :  
 Measurement date : 2009-02-26  
 Measurement status : Development  
 L.O.R. : 0.63



## Product Selection

### BCG742 (Surface Mounted)



Light Colour	Housing	Beam	Controls	Weight	Power	Order code
Cool White 4000K	Chrome / White Gloss	60	FIXED	1.67	20w	93118700
Cool White 4000K	Chrome	60	FIXED	1.67	20w	93119400
Cool White 4000K	White Gloss	60	FIXED	1.67	20w	93120000
Cool White 4000K	White	60	FIXED	1.67	20w	93121700
Cool White 4000K	White Gloss	60	FIXED	1.67	20w	93123100
Warm White 3000K	Black	60	DALI	1.6	20w	93122400

### BRS/BCS741



Light Colour	Housing	Beam	Controls	Weight	Power	Order code
(BRS741 Track) Warm White 3000K	White Gloss	60	FIXED	2.02	20w	93008100
(BRS741 Track) Warm White 3000K	Black Gloss	60	FIXED	2.02	20w	93009800
(BCS741 Surface) Warm White 3000K	Black	60	FIXED	1.95	20w	93011100

### BPG742 (Pendant Solo Version)



Light Colour	Housing	Beam	Controls	Weight	Power	Order code
Warm White 3000K	Chrome / White Gloss	60	FIXED	2.08	20w	93016600
Warm White 3000K	Chrome	60	FIXED	2.08	20w	93017300
Warm White 3000K	White Gloss	60	FIXED	2.08	20w	93018000
Warm White 3000K	White	60	FIXED	2.08	20w	93020300
Warm White 3000K	Grey	60	FIXED	2.08	20w	93021000
Warm White 3000K	White	60	DALI	2.08	20w	93022700

### BPX742 (Pendant Twin Version)



Light Colour	Housing	Beam	Controls	Weight	Power	Order code
Warm White 3000K	Chrome / White Gloss	60	FIXED	3.95	40w	93129300
Warm White 3000K	Chrome	60	FIXED	3.95	40w	93130900
Warm White 3000K	White Gloss	60	FIXED	3.95	40w	93131600
Warm White 3000K	Grey	60	FIXED	3.95	40w	93133000
Cool White 4000K	White	60	FIXED	3.95	40w	93134700

### BCX742 (Surface Mounted Twin)



Light Colour	Housing	Beam	Controls	Weight	Power	Order code
Warm White 3000K	Chrome / White Gloss	60	FIXED	2.84	40w	93138500
Warm White 3000K	Chrome	60	FIXED	2.84	40w	93139200
Warm White 3000K	White Gloss	60	FIXED	2.84	40w	93140800
Warm White 3000K	White	60	DALI	2.84	40w	93142200



For further information call 01483 293 258

# MASTER LEDlamps

MASTER LEDlamps - a complete range of retrofitable LED solutions.

No one knows LED like Philips. Our technology is seen everywhere – lighting up high-profile attractions such as The London Eye and brightening countless shops, offices and hotels.

When you choose a lamp from our extensive Philips MASTER LEDlamp range, you can be sure you're getting a highly energy efficient and cost-effective lighting solution. With some lamps lasting up to 45,000 hours and offering up to an 85% energy saving compared to halogen alternatives, customers will find that by simply changing to LED, it's possible to recoup their investment within a year.\*

Read on to discover how Philips MASTER LEDlamps can help save your customers money, reduce their carbon footprint and improve their quality of light.



\* Payback period depends on burning hours, electricity costs and comparable lamp type.





## MASTER LEDlamps

3 year  
guarantee

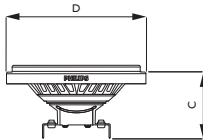
# MASTER LEDspot LV ARI11 G53

Ideal solution for spot lighting in shops

### Technical specification

Product description	Wattage	Comparable	Socket	Bulb	Beam	Beam	Lifetime	Dimmable	Units	Colour	Colour	EOC
MASTER LEDspot LV		Halogen		shape	intensity	angle			per	rendering	temp.	8718291
	(W)	(W)			(cd)	(°)	(hours)		pack	index	K	
AR111 2700K	10	50	G53	AR111	3200	24	45,000	no	6	>80	2700	11935700
AR111 2700K	10	50	G53	AR111	1150	40	45,000	no	6	>80	2700	11939500
AR111 3000K	10	50	G53	AR111	3370	24	45,000	no	6	>80	3000	11937100
AR111 3000K	10	50	G53	AR111	1210	40	45,000	no	6	>80	3000	11941800

new  
new  
new  
new



### Dimensions (mm) / weight (kg)

Product	C	D	Weight
AR111/G53	60.5	111	0.122

3 year  
guarantee

# MASTER LEDspots MV GU10

The perfect replacement for mains voltage halogen spots

### Technical specification

Product description	Wattage	Comparable	Socket	Beam	Lifetime	Dimmable*	Units	Colour	Colour	EOC	EOC
MASTER LEDspot MV		Halogen		intensity			per	rendering	temp.	8727900	8718291
	(W)	(W)		(cd)	(hours)		pack	index	K		
3-35W GU10 2700K 25D	3	35	GU10	850	35,000	no	10	>80	2700	89788300	
D 4-35W GU10 2700K 25D	4	35	GU10	600	25,000	yes	10	>80	2700		12264700
D 4-35W GU10 2700K 40D	4	35	GU10	310	25,000	yes	10	>80	2700		12268500
D 4-35W GU10 3000K 25D	4	35	GU10	630	25,000	yes	10	>80	3000		11899200
D 4-35W GU10 3000K 40D	4	35	GU10	400	25,000	yes	10	>80	3000		11901200
D 7-50W GU10 4000K 25D	7	50	GU10	1400	40,000	yes	6	>80	4000	86043600	
D 7-50W GU10 4000K 40D	7	50	GU10	650	40,000	yes	6	>80	4000	86045000	
D 7-50W GU10 3000K 25D	7	50	GU10	1400	40,000	yes	6	>80	3000	86039900	
D 7-50W GU10 3000K 40D	7	50	GU10	650	40,000	yes	6	>80	3000	86041200	
D 7-50W GU10 2700K 25D	7	50	GU10	1100	40,000	yes	6	>80	2700	86033700	
D 7-50W GU10 2700K 40D	7	50	GU10	430	40,000	yes	6	>80	2700	86035100	

\* We refer to the site [www.philips.com/masterled](http://www.philips.com/masterled) for the latest information about dimming MASTER LED lamps.



7W



3W



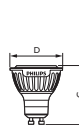
4W



7W



3W



4W

### Dimensions (mm) / weight (kg)

Product	C	D	Weight
7W	81	50	0.116
3W	55.5	50	0.068
4W	55.7	50	0.050



3 year  
guarantee

# MASTER LEDspots LV MRI6 GU5.3

The perfect replacement for low voltage halogen spots

## Technical specification

Product description	Wattage	Comparable	Socket	Bulb	Beam	Beam	Lifetime	Dimmable*	Units	Colour	Colour	EOC	EOC
MASTER LEDspot LV		Halogen		shape	intensity	angle			per	rendering	temp.	8727900	8718291
	(W)	(W)			(cd)	(°)	(hours)		pack	index	K		
4-20W 2700K MRI6 24D TC	4	20	GU5.3	MR16	700	24	45,000	no	10	>80	2700	89822400	
<b>new</b> 4-20W 2700K MRI6 36D TC	4	20	GU5.3	MR16	470	36	45,000	no	10	>80	2700		11903600
4-20W 3000K MRI6 24D TC	4	20	GU5.3	MR16	720	24	45,000	no	10	>80	3000	89824800	
<b>new</b> 4-20W 3000K MRI6 36D TC	4	20	GU5.3	MR16	500	36	45,000	no	10	>80	3000		11905000
D 7-35W 2700K MRI6 15D	7	35	GU5.3	MR16	3210	15	40,000	yes	10	>80	2700		12239500
D 7-35W 2700K MRI6 24D	7	35	GU5.3	MR16	1450	24	40,000	yes	10	>80	2700		12241800
D 7-35W 2700K MRI6 36D	7	35	GU5.3	MR16	763	36	40,000	yes	10	>80	2700		11907400
<b>new</b> D 7-35W 2700K MRI6 60D	7	35	GU5.3	MR16	320	60	40,000	yes	10	>80	3000		11913500
D 7-35W 3000K MRI6 15D	7	35	GU5.3	MR16	3300	15	40,000	yes	10	>80	3000		12243200
D 7-35W 3000K MRI6 24D	7	35	GU5.3	MR16	1550	24	40,000	yes	10	>80	3000		12245600
<b>new</b> D 7-35W 3000K MRI6 36D	7	35	GU5.3	MR16	810	36	40,000	yes	10	>80	3000		11909800
<b>new</b> D 7-35W 3000K MRI6 60D	7	35	GU5.3	MR16	341	60	40,000	yes	10	>80	2700		11911100
D 10-50W 2700K MRI6 15D	10	50	GU5.3	MR16	4000	15	30,000	yes	10	>80	2700		12248700
<b>new</b> D 10-50W 2700K MRI6 24D	10	50	GU5.3	MR16	1900	24	30,000	yes	10	>80	2700		12253100
D 10-50W 2700K MRI6 36D	10	50	GU5.3	MR16	960	36	30,000	yes	10	>80	2700		11915900
D 10-50W 3000K MRI6 15D	10	50	GU5.3	MR16	4200	15	30,000	yes	10	>80	3000		12255500
D 10-50W 3000K MRI6 24D	10	50	GU5.3	MR16	1930	24	30,000	yes	10	>80	3000		12258600
<b>new</b> D 10-50W 3000K MRI6 36D	10	50	GU5.3	MR16	1010	36	30,000	yes	10	>80	3000		11917300

\* We refer to the site [www.philips.com/masterled](http://www.philips.com/masterled) for the latest information about dimming MASTER LED lamps.



## Dimensions (mm) / weight (kg)

Product	C	D	Weight
4W	46	50	0.032
7W 10W	53.7	50	0.044

## MASTER LEDlamps

3 year  
guarantee

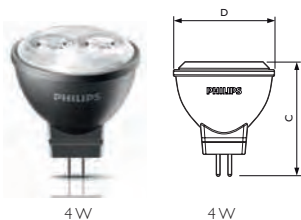
# MASTER LEDspot LV MRI I GU4

Ideal solution for display case / spot lighting in shops

### Technical specification

Product description	Wattage	Comparable	Socket	Bulb	Beam	Beam	Lifetime	Dimmable	Units	Colour	Colour	EOC
MASTER LEDspot LV		Halogen		shape	intensity	angle			per	rendering	temp.	8718291
	(W)	(W)			(cd)	(°)	(hours)		pack	index	K	
4W GU4 2700K MRI I 24D	4	20	GU4	MR11	600	24	25,000	no	12	>80	2700	11923400
4W GU4 4000K MRI I 24D	4	20	GU4	MR11	700	24	25,000	no	12	>80	4000	11925800

new  
new



### Dimensions (mm) / weight (kg)

Product	C	D	Weight
MR11/GU4	40	35	0.027

3 year  
guarantee

# MASTER LEDspots PAR

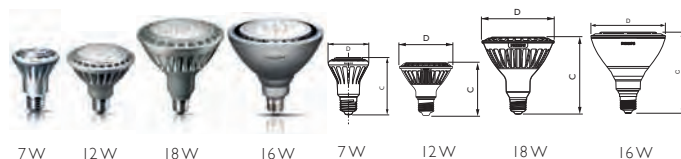
The energy saving alternative for lighting in public areas

### Technical specification

Product description	Wattage	Comparable	Socket	Bulb	Beam	Beam	Lifetime	Dimma-	Units	Colour	Colour	EOC	EOC
MASTER LEDspot		Wattage		shape	intensity	angle		ble*	per	rendering	temp.	8727900	8718291
	(W)	(W)			(cd)	(°)	(hours)		pack	index	K		
D 7-50W 2700K PAR20 25D	7	50	E27	PAR20	1000	25	45,000	yes	6	>80	2700	93398700	
D 7-50W 2700K PAR20 40D	7	50	E27	PAR20	450	40	45,000	yes	6	>80	2700	93406900	
D 7-50W 3000K PAR20 25D	7	50	E27	PAR20	1050	25	45,000	yes	6	>80	3000	93400700	
D 7-50W 3000K PAR20 40D	7	50	E27	PAR20	500	40	45,000	yes	6	>80	3000	93408300	
D 7-50W 4000K PAR20 25D	7	50	E27	PAR20	1200	25	45,000	yes	6	>80	4000	93402100	
D 7-50W 4000K PAR20 40D	7	50	E27	PAR20	550	40	45,000	yes	6	>80	4000	93410600	
12W 2700K 230V PAR30S 25D	12	75	E27	PAR30S	2250	25	45,000	yes	6	>80	2700		11927200
18W 2700K 230V PAR38 25D	18	100	E27	PAR38	3400	25	45,000	yes	6	>80	2700		11929600
16W 2700K 230V PAR38 OD	16	80	E27	PAR38	2800	25	22,000	no	10	>80	2700		85303200

new  
new

\* We refer to the site [www.philips.com/masterled](http://www.philips.com/masterled) for the latest information about dimming MASTER LED lamps.



### Dimensions (mm) / weight (kg)

Product	C	D	Weight
PAR20	90.2	63.7	0.156
PAR30S	91	92	0.290
PAR38	133	121.5	0.525
PAR38 OD	131	121.5	0.686

3 year  
guarantee

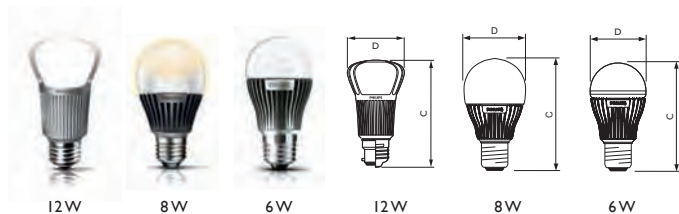
# MASTER LEDbulbs

Dimmable solutions for general lighting

## Technical specification

Product description	Wattage	Comparable	Socket	Bulb shape	Light output	Beam angle	Lifetime	Dimmable*	Units per pack	Colour rendering index	Colour temp.	EOC
MASTER LEDbulb	(W)	incandescent (W)			lm	(°)	(hours)				K	8727900
6W E27 2700K 230V A55	6	25	E27	A55	250	>180	45,000	yes	6	>80	2700	85353700
8-40W E27 2700K 230V A60	8	40	E27	A60	470	>250	25,000	yes	6	>80	2700	90048400
8-40W B22 2700K 230V A60	8	40	B22	A60	470	>250	25,000	yes	6	>80	2700	90050700
D 12-60W E27 2700K A60	12	60	E27	A60	806	>300	25,000	yes	6	>80	2700	93448900
D 12-60W B22 2700K A60	12	60	B22	A60	806	>300	25,000	yes	6	>80	2700	93450200

\* We refer to the site [www.philips.com/masterled](http://www.philips.com/masterled) for the latest information about dimming MASTER LED lamps.



## Dimensions (mm) / weight (kg)

Product	C	D	Weight
8W	108	60	0.120
6W	106	55	0.135
12W E27	108	58	0.182
12W B22	108	58	0.182

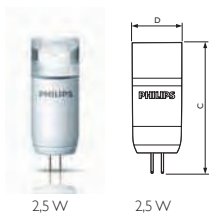
3 year  
guarantee

# MASTER LEDcapsule LV G4

Ideal solution for task lighting and decorative applications

## Technical specification

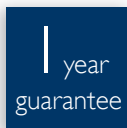
Product description	Wattage	Comparable	Socket	Lumen output	Beam angle	Lifetime	Dimmable	Units per pack	Colour rendering index	Colour temp.	EOC
MASTER LEDcapsule LV	(W)	Halogen (W)		Lm	(°)	(hours)				K	8718291
G4 2700K	2.5	10	G4	100	360	35,000	no	12	>80	2700	11933300



## Dimensions (mm) / weight (kg)

Product	C	D	Weight
Capsule G4	49.8	18.7	0.018

Note: not a perfect fit retrofit size



# Novallure candles and lusters

Eye-catching design for chandeliers

**Technical specification**

Product description	Wattage	Comparable	Socket	Bulb	Lumen	Lifetime	Dimmable*	Units	Colour	Colour	EOC	EOC
Novallure		incandes - cent		shape	output			per pack	rendering index	temp. K	8727900	8719291
	(W)	(W)			(lm)	(hours)						
D 3W E14 2700K 230V B35 CL	3	15	E14	B35	136	20,000	yes	10	>80	2700	93456400	
D 3W E14 2700K 230V B35 FR	3	15	E14	B35	136	20,000	yes	10	>80	2700	93458800	
D 3W E14 2700K 230V P45 CL	3	15	E14	P45	136	20,000	yes	10	>80	2700	93468700	
D 3W E14 2700K 230V P45 FR	3	15	E14	P45	136	20,000	yes	10	>80	2700	93470000	
D 3W E27 2700K 230V P45 CL	3	15	E27	P45	136	20,000	yes	10	>80	2700	93472400	
D 3W E27 2700K 230V P45 FR	3	15	E27	P45	136	20,000	yes	10	>80	2700	93474800	
D 3W B15 2700K 230V B35 CL	3	15	B15	B35	136	20,000	yes	10	>80	2700		12731400
2W E14 2700K 230V B35 CL	2	10	E14	B35	86	20,000	no	10	>80	2700	93452600	
2W E14 2700K 230V B35 FR	2	10	E14	B35	86	20,000	no	10	>80	2700	93454000	
2W E14 2700K 230V P45 CL	2	10	E14	P45	86	20,000	no	10	>80	2700	93460100	
2W E14 2700K 230V P45 FR	2	10	E14	P45	86	20,000	no	10	>80	2700	93462500	

new

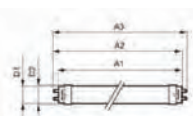
\* We refer to the site [www.philips.com/masterled](http://www.philips.com/masterled) for the latest information about dimming MASTER LED lamps.



**Dimensions (mm) / weight (kg)**

Product	C	D	Weight
candle 3-15W	101	35	0.034
luster 3-15W E14	83.5	45	0.032
luster 3-15W E27	92	46	0.032
candle 3-15W B15	98	35	0.041
candle 2-10W	97.5	35	0.035
luster 2-10W	75.5	45	0.033

# MASTER LEDtube GA



Model	A1 (mm)	A2 (mm)	A3 (mm)	Wattage	Color Temp
MASTER LEDtube GA 600mm 11W 840 G13	600	60	16	11	4000
MASTER LEDtube GA 900mm 17W 840 G13	900	60	16	17	4000
MASTER LEDtube GA 1200mm 22W 840 G13	1200	60	16	22	4000
MASTER LEDtube GA 600mm 11W 865 G13	600	60	16	11	6500
MASTER LEDtube GA 900mm 17W 865 G13	900	60	16	17	6500
MASTER LEDtube GA 1200mm 22W 865 G13	1200	60	16	22	6500



Product Description	Wattage	Colour Temperature	Length (mm)	Socket	Lumen output	Lifetime	Colour Rendering	Order Code
MASTER LEDtube GA 600mm 11W 840 G13	11	4000	600	G13	750	30,000	85	92071000
MASTER LEDtube GA 900mm 17W 840 G13	17	4000	900	G13	1150	30,000	85	92075800
MASTER LEDtube GA 1200mm 22W 840 G13	22	4000	1200	G13	1500	30,000	85	92079600
MASTER LEDtube GA 600mm 11W 865 G13	11	6500	600	G13	750	30,000	85	92073400
MASTER LEDtube GA 900mm 17W 865 G13	17	6500	900	G13	1150	30,000	85	92077200
MASTER LEDtube GA 1200mm 22W 865 G13	22	6500	1200	G13	1500	30,000	85	92081900







# Ambient



368

DayZone



372

DayZone  
Round



376

PowerBalance



380

Daywave



384

Smart Form



388

Celino



392

Arano



396

Coreview



400

Pacific LED

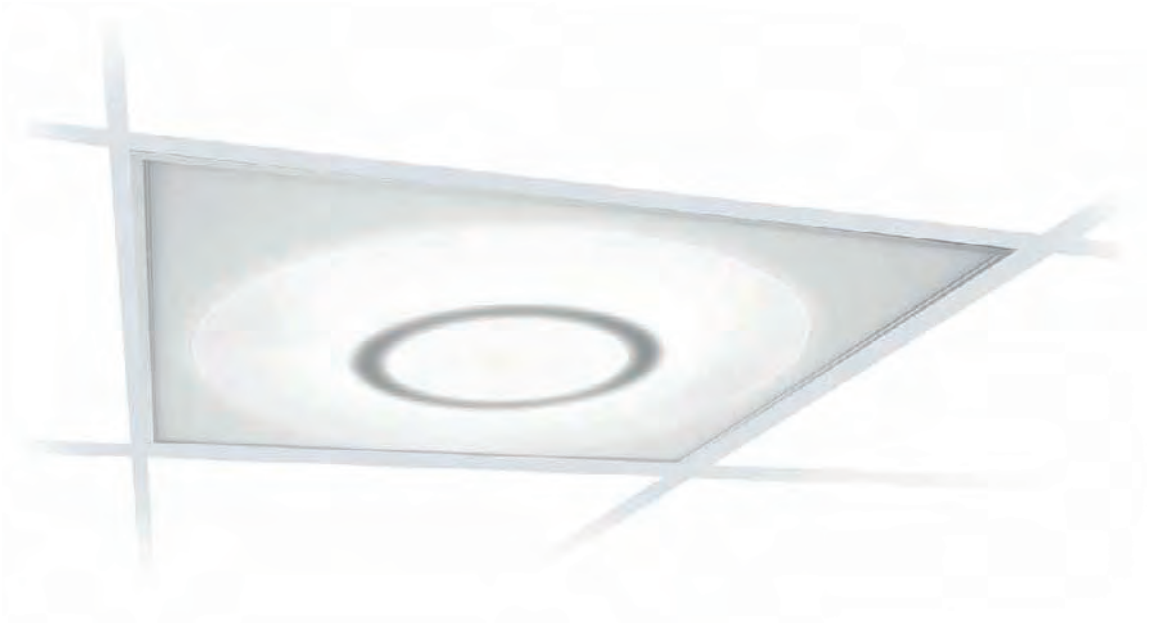


404

Ledino  
(Indoor)

# DayZone

- \_Indoor recessed LED downlight
- \_Suitable for general lighting applications in office or similar environments
- \_Fresh, appealing design, without compromise on visual comfort
- \_Helps meet sustainability criteria
- \_Full dimming capabilities
- \_Glare control and colour consistency designed to comply with current and future office regulations
- \_Energy efficiency comparable with, and even better than, traditional fluorescent systems










## DayZone

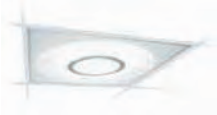
### Standard features

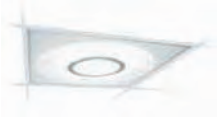


<b>Type</b>	<b>BBS560</b>
<b>Light source</b>	LED 2000 (2000 lumen out of system) LED 3500 (3500 lumen out of system)
<b>Light colour</b>	Warm White (3000K) Neutral White (4000K)
<b>Power consumption</b>	40W-60W (DALI Dimmable)
<b>Optic</b>	OLC micro-lens made of polycarbonate (PC-MLO)
<b>Material and finishing</b>	Zinc-coated steel
<b>Ceiling Type</b>	Exposed and symmetrical concealed T-bar ceiling and plaster (board) ceiling
<b>Ceiling grid</b>	Module size in length: 600 x 600mm
<b>Connection</b>	LED3500: push-in connector 3-pole
<b>Lifetime</b>	50,000 hours, 70% lumen maintenance at Ta = 50degreeC
<b>Main Applications</b>	Office
<b>Classification Codes</b>	    



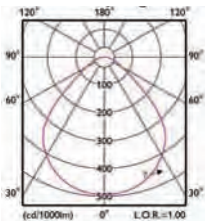
## Product Selection

DayZone Recessed	Light Colour	Weight	Dimma- ble	Connection	Power (W)	Order code
BBS560 LED3500	○ Neutral White (4000K)	8.1	Yes (Dali)	Connection	60	998890 00
	○ Neutral White (4000K)	8.1	Yes	PI	60	997503 00
	○ Neutral White (4000K)	8.1	No	Wieland	60	998913 00
	○ Neutral White (4000K)	7.2	No	PI	60	998937 00
Recessed BBS560 LED2000	○ Neutral White (4000K)	7.8	Yes	Wieland	40	997480 00

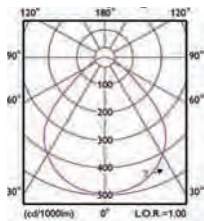


## Polar Intensity Diagram (For further Photometric data please contact our technical department)

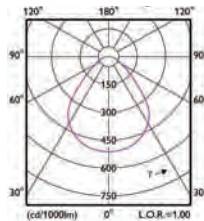
DayZone BBS560 1xLED-  
HB/NW-4000 AC-MLO



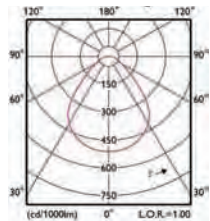
DayZone BBS565 1xLED-  
HB/NW-4000 AC-MLO



DayZone BBS560 1xLED-  
HB/NW-4000 PC-MLO



DayZone BBS565 1xLED-  
HB/NW-4000 PC-MLO



# DayZone Round

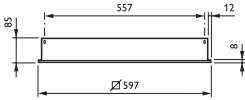
- \_Indoor recessed LED downlight
- \_Suitable for general lighting applications in office or similar environments
- \_Fresh, appealing design, without compromise on visual comfort
- \_Helps meet sustainability criteria
- \_Full dimming capabilities
- \_Glare control and colour consistency designed to comply with current and future office regulations
- \_Energy efficiency comparable with, and even better than, traditional fluorescent systems










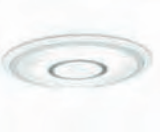
## DayZone Round

### Standard features



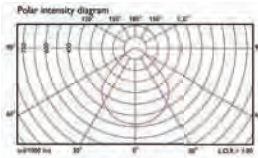
<b>Type</b>	<b>BBS561 DayZone Round Recessed</b>
<b>Light source</b>	LED 2000 (2000 lumen out of system) LED 3500 (3500 lumen out of system)
<b>Light colour</b>	Warm White (3000K) Neutral White (4000K)
<b>Power consumption</b>	40W-60W (DALI Dimmable)
<b>Optic</b>	OLC micro-lens made of polycarbonate (PC-MLO)
<b>Material and finishing</b>	Zinc-coated steel
<b>Ceiling Type</b>	Exposed and symmetrical concealed T-bar ceiling and plaster (board) ceiling
<b>Ceiling grid</b>	Module size in length: 600 x 600mm
<b>Connection</b>	LED3500: push-in connector 3-pole
<b>Lifetime</b>	50,000 hours, 70% lumen maintenance at Ta = 50degreeC
<b>Main Applications</b>	Office
<b>Classification Codes</b>	    

## Product Selection

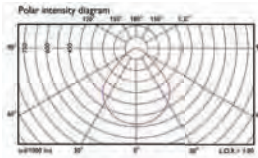
BBS561 Round 602mm	Light Colour	Weight	Connection	Power	Housing Colour	Dimming	Order Code
	○ Neutral White (4000 K)	8.4	Wieland 3	68W	White	No	90515700
	○ Neutral White (4000 K)	8.4	Push in	68W	White	DALI	90516400
	○ Neutral White (4000 K)	8.4	Push in	68W	White	No	90517100
	○ Neutral White (4000 K)	8.4	Wieland 3	40W	White	DALI	90518800
	○ Neutral White (4000 K)	8.4	Wieland 3	40W	White	No	90519500
	○ Neutral White (4000 K)	8.4	Push in	40W	White	DALI	90520100
	○ Neutral White (4000 K)	8.4	Push in	40W	White	No	90521800
	○ Neutral White (4000 K)	8.4	Wieland 3	68W	White	DALI	99936100

## Polar Intensity Diagram (For further Photometric data please contact our technical department)

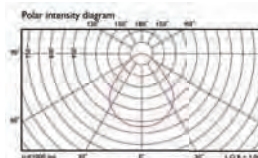
**DayZone BBS561**  
1xLED2000/WW-3000 AC-MLO-C  
Lampflux: 1 x 2000 lm



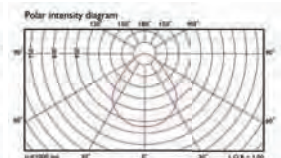
**DayZone BBS561**  
1xLED3500/WW-3000 AC-MLO-C  
Lampflux: 1 x 3500 lm



**DayZone BBS561**  
1xLED2000/WW-3000 PC-MLO-C  
Lampflux: 1 x 2000 lm



**DayZone BBS561**  
1xLED3500/WW-3000 PC-MLO-C  
Lampflux: 1 x 3500 lm





# PowerBalance

- \_Suitable for all indoor Ambient applications.
- \_Offers Substantially Lower energy savings compared to TL-5 luminaires of a similar output.
- \_Available in 3000K and 4000K.
- \_Range includes emergency versions and Actilume DALI control versions.





## PowerBalance

---

### Standard features



<b>Type</b>	<b>RC460B 600mm X 600mm</b> <b>RC460B 1200mm X 600mm</b>
<b>Light colour</b>	3000K and 4000K
<b>Power consumption</b>	2500lm 35W and 3200lm 45W
<b>Light Source</b>	LED28S and LED34S
<b>Driver</b>	PSD - DALI
<b>Material and finishing</b>	Housing Material - Sheet StainlessSteel and Optic Polycarbonate
<b>Lifetime</b>	50,000hrs, 70% lumen maintenance at T = 25c
<b>Housing colour</b>	White

## Product Selection

Light Colour	Weight	Version	Connection	Power	Housing Colour	Dimming	Order Code
<b>RC460B Recessed 600mm x 600mm</b>							
○ Neutral White (4000 K)	6.9	Standard	Wieland 3	45W	White	DALI	91619100
○ Neutral White (4000 K)	6.9	Standard	Push in	45W	White	DALI	91621400
○ Neutral White (4000 K)	7	Actilume	Wieland 3	45W	White	DALI	91623800
○ Neutral White (4000 K)	7.1	Emergency	Wieland 4	45W	White	DALI	91624500
○ Neutral White (4000 K)	6.9	Standard	Push in	35W	White	DALI	91626900
○ Neutral White (4000 K)	7	Actilume	Wieland 3	35W	White	DALI	91628300
○ Neutral White (4000 K)	7.1	Emergency	Wieland 4	35W	White	DALI	91629000
<b>RC460B Recessed 1200mm x 300mm</b>							
○ Neutral White (4000 K)	6.8	Standard	Wieland 3	45W	White	DALI	91630600
○ Neutral White (4000 K)	6.8	Standard	Push in	45W	White	DALI	91632000
○ Neutral White (4000 K)	6.9	Actilume	Wieland 3	45W	White	DALI	91634400
○ Neutral White (4000 K)	7	Emergency	Wieland 4	45W	White	DALI	91635100
○ Neutral White (4000 K)	6.8	Standard	Push in	35W	White	DALI	91637500
○ Neutral White (4000 K)	6.9	Actilume	Wieland 3	35W	White	DALI	91639900
○ Neutral White (4000 K)	7	Emergency	Wieland 4	35W	White	DALI	91640500
<b>RC460B Recessed 600mm x 600mm</b>							
● Warm White 3000K	6.9	Standard	Wieland 3	45W	White	DALI	91620700
● Warm White 3000K	6.9	Standard	Push in	45W	White	DALI	91622100
● Warm White 3000K	7	Actilume	Wieland 3	45W	White	DALI	91755600
● Warm White 3000K	7.1	Emergency	Wieland 4	45W	White	DALI	91756300
● Warm White 3000K	6.9	Standard	Push in	35W	White	DALI	91627600
● Warm White 3000K	7	Actilume	Wieland 3	35W	White	DALI	91757000
● Warm White 3000K	7.1	Emergency	Wieland 4	35W	White	DALI	91758700
<b>RC460B Recessed 1200mm x 300mm</b>							
● Warm White 3000K	6.8	Standard	Wieland 3	45W	White	DALI	91631300
● Warm White 3000K	6.8	Standard	Push in	45W	White	DALI	91633700
● Warm White 3000K	6.9	Actilume	Wieland 3	45W	White	DALI	91759400
● Warm White 3000K	7	Emergency	Wieland 4	45W	White	DALI	91760000
● Warm White 3000K	6.8	Standard	Push in	35W	White	DALI	91638200
● Warm White 3000K	6.9	Actilume	Wieland 3	35W	White	DALI	91762400
● Warm White 3000K	7	Emergency	Wieland 4	35W	White	DALI	91762400

# DayWave

- \_The essence of total LED form freedom
- \_A beautiful sleek design suitable for continuous suspended mounting
- \_Delivering uniform lighting for high visual comfort
- \_Available in dynamic colour temperature changing version
- \_Optional curve up and curve down design

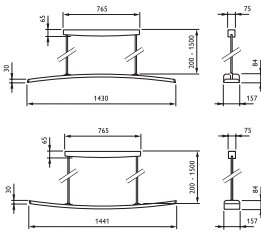






## DayWave

### Standard features



### Light colour

Dynamic: 3000-5500 K (3000-5000)

Mono-colour:

Warm-white, 3000 K (3000)

Neutral-white, 4000 K (4000), on request

Indirect blue light (BLL)

Note: indirect blue light only used when all white light is switched off

### Lighting distribution

White: direct ca 80% / indirect 20%

### Driver current

0 - 400 mA (dimmable)

### Mains voltage

100-240 V

50-60Hz

### Power consumption

Static : 140 W Dynamic : 130 - 145W

### Ballast (integrated)

Electronic, 100 - 240 V / 50 - 60 Hz

### Driver

DALI protocol (interface integrated)

### Optic

Micro-lense-optic (MLO)

### Controls

DALI protocol

### Material

Housing: extruded anodised aluminium, finishing brushed (BRU) and polished chrome on request

End-caps and suspension tubes: extruded anodised aluminium with polished front end (BRU)

Cover: acrylic (AC-MLO) or polycarbonate (PC-MLO), micro-lense-optic

Ceiling unit: aluminium

### Colour

Aluminium brushed and polished chrome on request

### Installation

Suspended: individual or in line; suspended mounting with a set of two suspension tubes 150cm per luminaire (can be sawn to right length on site)

### Lifetime

50,000 hours, 70% lumen maintenance at Ta = 25°C

### Main applications

Office, hospitality, reception desks

### Classification code



## Product Selection

### BPS800 Pendant Dynamic colors warm/cool white



Light Colour	Curve	Material	Weight (kg)	Housing	Order Code
○ 3000-5500	Down	AC-MLO	10.5	Brushed Alumn.	24130900
○ 3000-5500	Down	AC-MLO	10.5	Brushed Alumn.	24132300
○ 3000-5500	Up	PC-MLO	10.5	Brushed Alumn.	24135400
○ 3000-5500	Up	PC-MLO	10.5	Brushed Alumn.	24138500

### BPS800 Pendant Static colour 3000K

Light Colour	Curve	Material	Weight (kg)	Housing	Order Code
● Warm white (3000K)	Down	AC-MLO	10.5	Brushed Alumn.	24141500
● Warm white (3000K)	Down	AC-MLO	10.5	Brushed Alumn.	24144600
● Warm white (3000K)	Up	PC-MLO	10.5	Brushed Alumn.	24147700
● Warm white (3000K)	Up	PC-MLO	10.5	Brushed Alumn.	24150700

Please contact Philips representative for systems advice

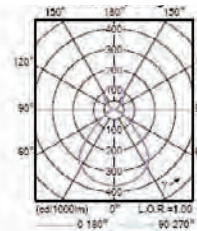
## Polar Intensity Diagram (For further Photometric data please contact our technical department)

Daywave bps800  
4000K PC-MLO  
Lamp: 1 x dynamic  
Luminaire Lumens: 1 x 3800 lm

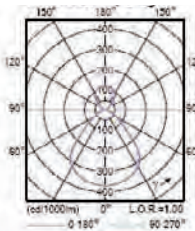
Daywave bps800  
5500k PC- MLO  
Lamp: 1 x dynamic  
Luminaire Lumens: 1 x 3800 lm

Daywave bps800  
3000k PC-MLO  
Lamp: 1 x dynamic  
Luminaire Lumens: 1 x 3800 lm

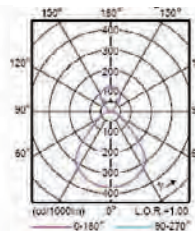
Daywave bps800  
3000k PC-MLO  
Lamp: 1 x single colour  
Luminaire Lumens: 1 x 3800 lm



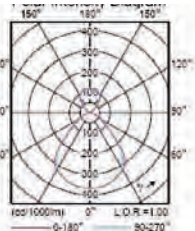
Light output ratio: 1.00  
Service upward: 0.22  
Service downward: 0.78



Light output ratio: 1.00  
Service upward: 0.22  
Service downward: 0.78



Light output ratio: 1.00  
Service upward: 0.22  
Service downward: 0.78



Light output ratio: 1.00  
Service upward: 0.22  
Service downward: 0.78

# SmartForm

- \_ Suitable for all indoor Ambient applications
- \_ Offers comparable light output to TL-5 luminaires of a similar wattage
- \_ Available 4000K
- \_ Range includes Surface and Suspended versions. Fixed Output

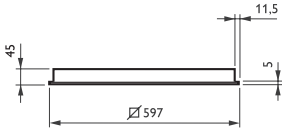






## SmartForm

### Standard features



### Type

**BCS460 Surface Mounted**  
**BPS460 Suspended**

### Light colour

Neutral white, 4000 K

### Power Consumption

29W 1500lm and 58W 3600lm

### Light Source

LED24S and LED48S

### Driver

PSU - Fixed

### Materials and finishing

Zinc Coated Steel housing.

### Lifetime

50,000hrs, 70% lumen maintenance at T = 25c

### Colour resolution

80

## Product Selection

Light Colour	Weight (KG)	Optic	Suspension Bracket	Version	Connection	Power	Housing Colour	Dimming	Order Code
<b>BCS460 W16L120</b>									
○ Neutral White (4000 K)	5	MLO-PC		Surface	Pushin	29W	White	No	90933900
○ Neutral White (4000 K)	5	O-PC		Surface	Pushin	29W	White	No	90934600
○ Neutral White (4000 K)	5	LIN-PC		Surface	Pushin	29W	White	No	90935300
<b>BCS460 W22L120</b>									
○ Neutral White (4000 K)	7.1	MLO-PC		Surface	Pushin	29W	White	No	90936000
○ Neutral White (4000 K)	7.1	O-PC		Surface	Pushin	58W	White	No	90937700
○ Neutral White (4000 K)	7.1	LIN-PC		Surface	Pushin	58W	White	No	90938400
○ Neutral White (4000 K)	7.1	MLO-PC		Surface	Pushin	58W	White	No	90044200
<b>BCS460 W33L120</b>									
○ Neutral White (4000 K)	9.4	AC-MLO		Surface	Pushin	58W	White	No	90939100
<b>BPS460 W160L120</b>									
○ Neutral White (4000 K)	5	MLO-PC	SMT	Suspended	Pushin	29W	White	No	90943800
○ Neutral White (4000 K)	5	O-PC	SMT	Suspended	Pushin	29W	White	No	90944500
○ Neutral White (4000 K)	5	LIN-PC	SMT	Suspended	Pushin	29W	White	No	90945200
<b>BPS460 W22L120</b>									
○ Neutral White (4000 K)	7.1	MLO-PC	SMT	Suspended	Pushin	29W	White	No	90946900
○ Neutral White (4000 K)	7.1	O-PC	SMT	Suspended	Pushin	58W	White	No	90947600
○ Neutral White (4000 K)	7.1	LIN-PC	SMT	Suspended	Pushin	58W	White	No	90948300
<b>BPS460 W33L120</b>									
○ Neutral White (4000 K)	9.4	AC-MLO	SMT	Suspended	Pushin	58W	White	No	90949000

# Celino

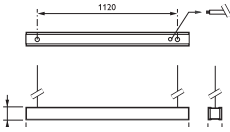
- \_ Suitable for all indoor Ambient applications
- \_ Offers comparable light output to TL-5 luminaires of a similar wattage
- \_ Available 4000K
- \_ Range includes Surface and Suspended versions
- \_ Fixed Output





## Celino

### Standard features



### Type

**BCS680 Surface Mounted**  
**BPS680 Suspended**

### Light source

LED24S  
LED48S

### Light colour

4000K

### Power consumption

29W 1500lm  
58W 3600lm

### Driver

PSU - Fixed

### Material and finishing

Natural anodised Aluminium End Caps, Die Cast Aluminium.

### Lifetime

50,000 hours, 70% lumen maintenance at  $T_a = 25^{\circ}\text{C}$

### Classification code





## Product Selection

### BCS680 W7L120

Light Colour	Weight	Optic	Mounting Bracket	Version	Connection	Power	Housing Colour	Dimming	Order Code
<input type="radio"/> Neutral White (4000 K)	4.7	MLO-PC		Surface	Push In	29W	Grey	No	91026700
<input type="radio"/> Neutral White (4000 K)	4.7	O-PC		Surface	Push In	29W	Grey	No	91027400
<input type="radio"/> Neutral White (4000 K)	4.7	LIN-PC		Surface	Push In	29W	Grey	No	91028100

### BCS680 W17L120

Light Colour	Weight	Optic	Mounting Bracket	Version	Connection	Power	Housing Colour	Dimming	Order Code
<input type="radio"/> Neutral White (4000 K)4000K	9	MLO-PC		Surface	Push In	58W	Grey	No	91029800
<input type="radio"/> Neutral White (4000 K)	9	O-PC		Surface	Push In	58W	Grey	No	91030400
<input type="radio"/> Neutral White (4000 K)	9	LIN-PC		Surface	Push In	58W	Grey	No	91031100

### BPS680 W7L120

Light Colour	Weight	Optic	Mounting Bracket	Version	Connection	Power	Housing Colour	Dimming	Order Code
<input type="radio"/> Neutral White (4000 K)	4.9	MLO-PC	SMT	Suspended	Push In	29W	Grey	No	91033500
<input type="radio"/> Neutral White (4000 K)	4.9	O-PC	SMT	Suspended	Push In	29W	Grey	No	91032800
<input type="radio"/> Neutral White (4000 K)	4.9	LIN-PC	SMT	Suspended	Push In	29W	Grey	No	91034200

### BPS680 W17L120

Light Colour	Weight	Optic	Mounting Bracket	Version	Connection	Power	Housing Colour	Dimming	Order Code
<input type="radio"/> Neutral White (4000 K)	9.2	MLO-PC	SMT	Suspended	Push In	58W	Grey	No	91035900
<input type="radio"/> Neutral White (4000 K)	9.2	O-PC	SMT	Suspended	Push In	58W	Grey	No	91036600
<input type="radio"/> Neutral White (4000 K)	9.2	LIN-PC	SMT	Suspended	Push In	58W	Grey	No	91037300

# Arano

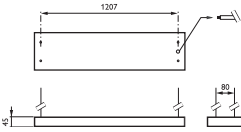
- \_ Suitable for indoor Ambient applications
- \_ Offers Comparable Light Output compared to TL-5 luminaires of a similar output
- \_ Available in 4000K
- \_ Range includes Surface and Suspended versions





# Arano

## Standard features



## Type

**BCS640 Surface Mounted**  
**BPS640 Suspended**

## Light source

LED24S3  
LED48S

## Light colour

4000K

## Power consumption

1500lm 29W  
3600lm 58W

## Material and finishing

Natural anodized Aluminium, End Caps: Die cast Aluminium.

## Lifetime

50,000 hours, 70% lumen maintenance at  $T_a = 25^{\circ}\text{C}$

## Product Selection

### BCS640 W15LI20

Light Colour	Weight	Optic	Mounting Bracket	Version	Connection	Power	Housing Colour	Dimming	Order Code
4000K	5.2	MLO-PC		Surface Mounted	Push In	29W	White	Static	91039700
4000K	5.2	O-PC		Surface Mounted	Push In	29W	White	Static	91038000
4000K	5.2	LIN-PC		Surface Mounted	Push In	29W	White	Static	91040300

### BCS640 W21LI20

Light Colour	Weight	Optic	Mounting Bracket	Version	Connection	Power	Housing Colour	Dimming	Order Code
4000K	6.5	MLO-PC		Surface Mounted	Push In	29W	White	Static	91042700
4000K	6.5	O-PC		Surface Mounted	Push In	29W	White	Static	91041000
4000K	6.5	LIN-PC		Surface Mounted	Push In	29W	White	Static	91043400
4000K	7.2	MLO-PC		Surface Mounted	Push In	58W	White	Static	91045800
4000K	7.2	O-PC		Surface Mounted	Push In	58W	White	Static	91044100
4000K	7.2	LIN-PC		Surface Mounted	Push In	58W	White	Static	91046500

### BPS640 W15LI20

Light Colour	Weight	Optic	Mounting Bracket	Version	Connection	Power	Housing Colour	Dimming	Order Code
4000K	5.4	MLO-PC	SM2	Suspended	Push In	29W	White	Static	91049600
4000K	5.4	MLO-PC	SMS	Suspended	Push In	29W	White	Static	91050200
4000K	5.4	O-PC	SM2	Suspended	Push In	29W	White	Static	91047200
4000K	5.4	O-PC	SMS	Suspended	Push In	29W	White	Static	91048900
4000K	5.4	LIN-PC	SM2	Suspended	Push In	29W	White	Static	91051900
4000K	5.4	LIN-PC	SMS	Suspended	Push In	29W	White	Static	91052600

### BPS640 W21LI20

Light Colour	Weight	Optic	Mounting Bracket	Version	Connection	Power	Housing Colour	Dimming	Order Code
4000K	6.7	MLO-PC	SM2	Suspended	Push In	29W	White	Static	91055700
4000K	6.7	MLO-PC	SMS	Suspended	Push In	29W	White	Static	91056400
4000K	6.7	O-PC	SM2	Suspended	Push In	29W	White	Static	91053300
4000K	6.7	O-PC	SMS	Suspended	Push In	29W	White	Static	91054000
4000K	6.7	LIN-PC	SM2	Suspended	Push In	29W	White	Static	91057100
4000K	6.7	LIN-PC	SMS	Suspended	Push In	29W	White	Static	91058800
4000K	7.4	MLO-PC	SM2	Suspended	Push In	58W	White	Static	91061800
4000K	7.4	MLO-PC	SMS	Suspended	Push In	58W	White	Static	91062500
4000K	7.4	O-PC	SM2	Suspended	Push In	58W	White	Static	91059500
4000K	7.4	O-PC	SMS	Suspended	Push In	58W	White	Static	91060100
4000K	7.4	LIN-PC	SM2	Suspended	Push In	58W	White	Static	91063200
4000K	7.4	LIN-PC	SMS	Suspended	Push In	58W	White	Static	91064900



# Coreview

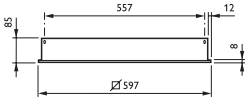
- \_Suitable for all indoor Ambient applications
- \_Offers comparable light output to TL-5 luminaires of a similar wattage
- \_Available 4000K
- \_Range includes Surface and Suspended versions. Fixed Output





## Coreview

### Standard features



### Type

**BCS680 Surface Mounted**  
**BPS680 Suspended**

### Light source

LED24S  
LED48S

### Light colour

4000K

### Power consumption

29W 1500lm  
58W 3600lm

### Driver

PSU - Fixed

### Material and finishing

Natural anodised Aluminium End Caps, Die Cast Aluminium.

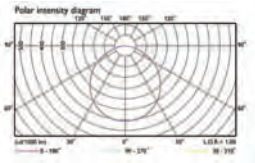
### Lifetime

50,000 hours, 70% lumen maintenance at Ta = 25degreeC

### Polar Intensity Diagram *(For further Photometric data please contact our technical department)*

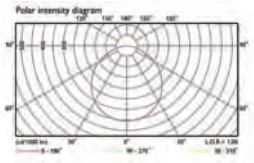
#### CoreView BBS360

1xLED2000/3000 MFP-P  
Lampflux : 1 x 2000 lm



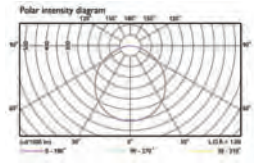
#### CoreView BBS360

1xLED3500/4000 MFP-P  
Lampflux : 1 x 3500 lm



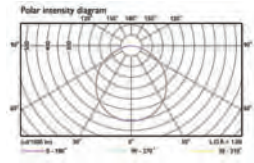
#### CoreView BBS362

1xLED2000/3000 MFP-P  
Lampflux : 1 x 2000 lm



#### CoreView BBS362

1xLED3500/4000 MFP-P  
Lampflux : 1 x 3500 lm



## Product Selection

Light Colour	Weight	Version	Connection	Power	Housing Colour	Dimming	Order Code
<b>BCS680 W7L120 MLO-PC</b>							
○ Neutral White (4000 K)	4.7	Surface	Push In	29W	Grey	No	91026700
<b>BCS680 W7L120 O-PC</b>							
○ Neutral White (4000 K)	4.7	Surface	Push In	29W	Grey	No	91027400
<b>BCS680 W7L120 O-PC</b>							
○ Neutral White (4000 K)	4.7	Surface	Push In	29W	Grey	No	91028100
<b>BCS680 W17L120 MLO-PC</b>							
○ Neutral White (4000 K)	9	Surface	Push In	58W	Grey	No	91029800
<b>BCS680 W17L120 O-PC</b>							
○ Neutral White (4000 K)	9	Surface	Push In	58W	Grey	No	91030400
<b>BCS680 W17L120 LIN-PC</b>							
○ Neutral White (4000 K)	9	Surface	Push In	58W	Grey	No	91031100
<b>BPS680 W7L120 MLO-PC</b>							
○ Neutral White (4000 K)	4.9	Suspended	Push In	29W	Grey	No	91033500
<b>BPS680 W7L120 O-PC</b>							
○ Neutral White (4000 K)	4.9	Suspended	Push In	29W	Grey	No	91032800
<b>BPS680 W7L120 LIN-PC</b>							
○ Neutral White (4000 K)	4.9	Suspended	Push In	29W	Grey	No	91034200
<b>BPS680 W17L120 MLO-PC</b>							
○ Neutral White (4000 K)	9.2	Suspended	Push In	58W	Grey	No	91035900
<b>BPS680 W17L120 O-PC</b>							
○ Neutral White (4000 K)	9.2	Suspended	Push In	58W	Grey	No	91036600
<b>BPS680 W17L120 LIN-PC</b>							
○ Neutral White (4000 K)	9.2	Suspended	Push In	58W	Grey	No	91037300

# Pacific LED

\_Suitable for all water resistant applications, comparable light output to 36W TL solution  
\_IP66 and IK8

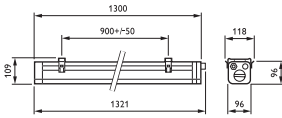






## Pacific LED

### Standard features

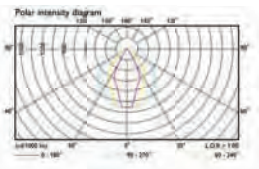


<b>Type</b>	<b>WT460C Surface Mounted</b>
<b>Light colour</b>	Neutral white, 4000 K
<b>Power Consumption</b>	30W
<b>Light Source</b>	LED24S
<b>Driver</b>	PSU - Fixed
<b>Optic</b>	Narrow Beam 2x25° and Wide Beam 2x60°
<b>Materials and finishing</b>	Polycarbonate and Stainless Steel Clips
<b>Lifetime</b>	50,000hrs, 70% lumen maintenance at T = 25c
<b>Colour resolution</b>	80

### Polar Intensity Diagram (For further Photometric data please contact our technical department)

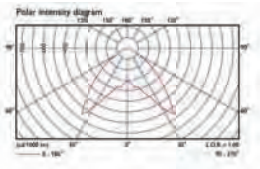
#### WT460C 1xLED24/840 NB

Lampflux : 1 x 2345 lm



#### WT460C 1xLED24/840 WB

Lampflux : 1 x 2000 lm



## Product Selection

### WT-460CLED20-/840



Light Colour	Weight	Version	Optic	Power	Housing Colour	Dimming	Order Code
<input type="radio"/> Neutral White (4000 K)	3.84	Standard	WB	30W	Grey	No	3245800
<input type="radio"/> Neutral White (4000 K)	3.12	Standard	NB	30W	Grey	No	3246500
<input type="radio"/> Neutral White (4000 K)	3.84	TC	WB	30W	Grey	No	3249600
<input type="radio"/> Neutral White (4000 K)	3.12	TC	NB	30W	Grey	No	3250200
<input type="radio"/> Neutral White (4000 K)	3.84	TC5	WB	30W	Grey	No	3251900
<input type="radio"/> Neutral White (4000 K)	3.12	TC5	NB	30W	Grey	No	3252600
<input type="radio"/> Neutral White (4000 K)	4.3	EL3	WB	30W	Grey	No	3247200
<input type="radio"/> Neutral White (4000 K)	3.59	EL3	NB	30W	Grey	No	3248900
<input type="radio"/> Neutral White (4000 K)	3.1	TC	WB	30W	Grey	No	3253300
<input type="radio"/> Neutral White (4000 K)	3.59	TC	NB	30W	Grey	No	3254000

# Ledino Indoor

- \_ The world's first complete range of indoor lighting using advanced LED technology
- \_ Pure light that feels gentle and welcoming
- \_ Stylish and contemporary you'll want to make it the centre piece of your interior
- \_ Energy efficient and long lasting for up to 20 years
















## Ledino

### Standard features

<b>Type</b>	Ledino
<b>Power</b>	220-240V 50-60Hz
<b>Output</b>	SELV
<b>Life Span</b>	20 years
<b>Light colour</b>	3100K Warm White




### Product Selection

#### Ceiling Lights IP20

Colour	Base material	Light Colour	Power (W)	Size	Order Code
white 	aluminium	● Warm white (3100k)	3 x 7.5 W	Length 184 Width 184 Height 62	316033116
white 	aluminium	● Warm white (3100k)	1 x 7.5 W	Length 359 Width 359 Height 61	316013116
white 	aluminium	● Warm white (3100k)	4 x 7.5 W	Length 212 Width 212 Height 54	316023116
grey 	aluminium	● Warm white (3100k)	4 x 7.5 W	Length 212 Width 212 Height 54	316028716
white 	aluminium	● Warm white (3100k)	1 x 7.5 W	Length 127 Width 127 Height 54	316033116
grey 	aluminium	● Warm white (3100k)	1 x 7.5 W	Length 127 Width 127 Height 54	316038716
aluminium 	glass	● Warm white (3100k)	3 x 7.5 W	Length 400 Width 400 Height 42	690514816




## Product Selection

### Spot Lights IP20

Colour	Base material	Light Colour	Power (W)	Size	Order Code
grey 	aluminium	● Warm white (3100k)	1 x 7.5 W	Length 136 Width 132 Height 130	690808716
grey 	aluminium	● Warm white (3100k)	2 x 7.5 W	Length 503 Width 58 Height 190	579028716
grey 	aluminium	● Warm white (3100k)	4 x 7.5 W	Length 903 Width 58 Height 190	579048716
white 	aluminium	● Warm white (3100k)	1 x 7.5 W	Length 168 Width 130 Height 72	690703116
white 	aluminium	● Warm white (3100k)	2 x 7.5 W	Length 315 Width 133 Height 73	690723116
white 	aluminium	● Warm white (3100k)	3 x 7.5 W	Length 497 Width 133 Height 73	579133116
white 	aluminium	● Warm white (3100k)	4 x 7.5 W	Length 284 Width 284 Height 75	690743116




## Product Selection

### Downlights IP23

Colour	Base material	Light Colour	Power (W)	Size	Order Code
white 	aluminium	● Warm white (3100k)	3 x 2.5 W	Length 80 Width 50 Height 34	690773116
white 	aluminium	● Warm white (3100k)	1 x 7.5 W	Length 110 Width 85 Height 49	579253156
aluminium 	aluminium	● Warm white (3100k)	1 x 7.5 W	Length 110 Width 85 Height 49	579254816


## Product Selection

### Suspended Lights IP20

Colour	Base material	Light Colour	Power (W)	Size	Order Code
transparent 	synthetics	● Warm white (3100k)	1 x 7.5 W	Length 200 Width 200 Height max. 1500	416186016
transparent 	synthetics	● Warm white (3100k)	2 x 7.5 W	Length max. 1900 Width 200 Height max. 1500	416196016
aluminium 	synthetics	● Warm white (3100k)	3 x 7.5 W	Length 300 Width 300 Height max. 1500	416214816




## Product Selection

### Suspended Lights IP20

Colour	Base material	Light Colour	Power (W)	Size	Order Code
aluminium 	glass	● Warm white (3100k)	1 x 7.5 W	Length 300 Width 300 Height max. 1500	373404816
white 	aluminium	● Warm white (3100k)	2 x 7.5 W	Length max. 2200 Width 210 Height max. 1500	373503116
grey 	aluminium	● Warm white (3100k)	2 x 7.5 W	Length max. 2200 Width 210 Height max. 1500	373508716
white 	aluminium	● Warm white (3100k)	1 x 7.5 W	Length max. 1800 Width 210 Height max. 1500	373513116
grey 	aluminium	● Warm white (3100k)	1 x 7.5 W	Length max. 1800 Width 210 Height max. 1500	373518716
white 	aluminium	● Warm white (3100k)	1 x 7.5 W	Length 300 Width 300 Height 1900	373533116
grey 	aluminium	● Warm white (3100k)	1 x 7.5 W	Length 300 Width 300 Height 1900	373538716

## Product Selection











### Wall Lights IP20

Colour	Base material	Light Colour	Power (W)	Size	Order Code
white 	aluminium	● Warm white (3100k)	2 x 7.5 W	Length 133 Width 100 Height 96	336033116
grey 	aluminium	● Warm white (3100k)	2 x 7.5 W	Length 133 Width 100 Height 96	336038716
black 	aluminium	● Warm white (3100k)	2 x 2.5 W	Length 95 Width 90 Height 95	336013016



## Product Selection

### Table lights IP20

Colour	Base material	Light Colour	Power (W)	Size	Order Code
aluminium 	glass	● Warm white (3100k)	6 x 2.5 W	Length 300 Width 300 Height 430	690524816
chrome 	metal	● Warm white (3100k)	1 x 7.5 W	Length 246 Width 122 Height 110	449921116
black 	metal	● Warm white (3100k)	1 x 7.5 W	Length 246 Width 122 Height 110	449923016
white 	metal	● Warm white (3100k)	1 x 7.5 W	Length 246 Width 122 Height 110	449923116
black 	aluminium	● Warm white (3100k)	3 x 2.5 W	Length 165 Width 165 Height 848	667013016
grey 	aluminium	● Warm white (3100k)	3 x 2.5 W	Length 165 Width 165 Height 848	667018716
black 	aluminium	● Warm white (3100k)	1 x 7.5 W	Length 165 Width 597 Height 516	667023016
grey 	aluminium	● Warm white (3100k)	1 x 7.5 W	Length 165 Width 597 Height 516	667028716
black 	aluminium	● Warm white (3100k)	1 x 2.5 W	Length 131 Width 131 Height 510	690633016
grey 	aluminium	● Warm white (3100k)	1 x 2.5 W	Length 131 Width 131 Height 510	667038716

# Trade LED Solutions

No one knows LED like Philips. Our technology is seen everywhere – lighting up high-profile attractions such as The London Eye and brightening countless shops, offices and hotels. Now into its second year, we have improved and extended our Trade LED lamps and luminaires range. Our products – featuring the very latest Philips technology – are easy to use and have been selected with you and your customers specifically in mind.

## Advanced

Our LED lighting solutions use the latest state-of-the-art technology. They're tailor-made for a world in which people are looking for cost-effective and environmentally friendly ways of lighting homes and businesses.

## Affordable

Because our technology uses significantly less energy than traditional lighting solutions, your customers will be able to make substantial savings on energy bills and reduce their carbon footprint at the same time.

## Simple

Our Trade LED Solutions are designed to be easy to fit and use, so you won't encounter any problems with installation. It really is a question of 'plug and play'.

## Range includes:

### Indoor lighting: downlighters

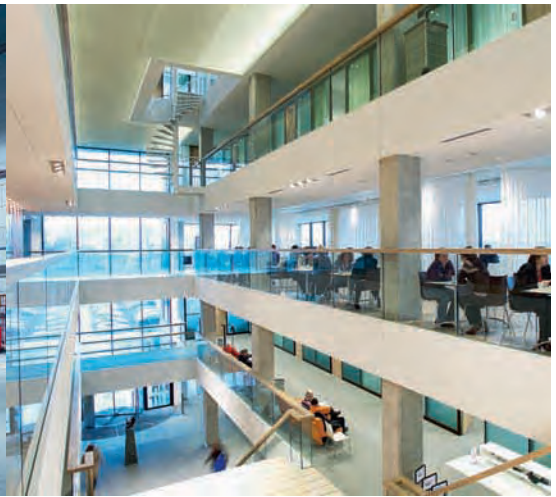
- Zadora MASTER LEDspot Kit
- Latina LED
- TurnRound

### Outdoor lighting

- Vivara LED
- Vaya flood LED

### Indoor and outdoor lighting

- Pacific with LED tube
- SecuriPack LED
- Gondola LED



## Product Selection

### Zadora MASTER LEDspot Fixed

	Type	Lamp included	Finish	Colour Temp	Beam (°)	Local Code	Order Code
	BBG462 LED-25-7W-2700-GU10 WH 50W	MASTER LEDspot	White	2700K	25	TRLEDZAD462001	88719499
	BBG462 LED-40-7W-2700-GU10 WH 50W	MASTER LEDspot	White	2700K	40	TRLEDZAD462002	88720099
	BBG462 LED-25-7W-4200-GU10 WH 50W	MASTER LEDspot	White	4200K	25	TRLEDZAD462003	88721799
	BBG462 LED-40-7W-4200-GU10 WH 50W	MASTER LEDspot	White	4200K	40	TRLEDZAD462004	88722499
	BBG462 LED-25-7W-2700-GU10 ALU 50W	MASTER LEDspot	Brushed Aluminium	2700K	25	TRLEDZAD462005	88723199
	BBG462 LED-40-7W-2700-GU10 ALU 50W	MASTER LEDspot	Brushed Aluminium	2700K	40	TRLEDZAD462007	89203799
	BBG462 LED-25-7W-4200-GU10 ALU 50W	MASTER LEDspot	Brushed Aluminium	4200K	25	TRLEDZAD462006	88724899
	BBG462 LED-40-7W-4200-GU10 ALU 50W	MASTER LEDspot	Brushed Aluminium	4200K	40	TRLEDZAD462008	89204499

### Zadora MASTER LEDspot Adjustable

	Type	Lamp included	Finish	Colour Temp	Beam (°)	Local Code	Order Code
	BBG463 LED-25-7W-2700-GU10 WH 50W	MASTER LEDspot	White	2700K	25	TRLEDZAD463001	88725599
	BBG463 LED-40-7W-2700-GU10 WH 50W	MASTER LEDspot	White	2700K	40	TRLEDZAD463002	88726299
	BBG463 LED-25-7W-4200-GU10 WH 50W	MASTER LEDspot	White	4200K	25	TRLEDZAD463003	88727999
	BBG463 LED-40-7W-4200-GU10 WH 50W	MASTER LEDspot	White	4200K	40	TRLEDZAD463004	88728699
	BBG463 LED-25-7W-2700-GU10 ALU 50W	MASTER LEDspot	Brushed Aluminium	2700K	25	TRLEDZAD463005	88729399
	BBG463 LED-25-7W-4200-GU10 ALU 50W	MASTER LEDspot	Brushed Aluminium	4200K	25	TRLEDZAD463006	88730999
	BBG463 LED-40-7W-2700-GU10 ALU 50W	MASTER LEDspot	Brushed Aluminium	2700K	40	TRLEDZAD463007	89205199
	BBG463 LED-40-7W-4200-GU10 ALU 50W	MASTER LEDspot	Brushed Aluminium	4200K	40	TRLEDZAD463008	89206899

## Product Selection

### Zadora MASTER LEDspot Fixed Fire Rated



Type	Lamp included	Finish	Colour Temp	Beam (°)	Local Code	Order Code
BBG464 LED-25-7W-2700-GU10 WH 50W	MASTER LEDspot	White	2700K	25	TRLEDZAD464001	88827699
BBG464 LED-40-7W-2700-GU10 WH 50W	MASTER LEDspot	White	2700K	40	TRLEDZAD464002	88828399
BBG464 LED-25-7W-4200-GU10 WH 50W	MASTER LEDspot	White	4200K	25	TRLEDZAD464003	88829099
BBG464 LED-40-7W-4200-GU10 WH 50W	MASTER LEDspot	White	4200K	40	TRLEDZAD464004	88830699
BBG464 LED-25-7W-2700-GU10 ALU 50W	MASTER LEDspot	Brushed Aluminium	2700K	25	TRLEDZAD464005	88831399
BBG464 LED-40-7W-2700-GU10 ALU 50W	MASTER LEDspot	Brushed Aluminium	2700K	40	TRLEDZAD464007	89207599
BBG464 LED-25-7W-4200-GU10 ALU 50W	MASTER LEDspot	Brushed Aluminium	4200K	25	TRLEDZAD464006	88832099
BBG464 LED-40-7W-4200-GU10 ALU 50W	MASTER LEDspot	Brushed Aluminium	4200K	40	TRLEDZAD464008	89208299

### Zadora Showerlight White Fixed Firerated 7W IP44




Type	Lamp included	Finish	Colour Temp	Beam (°)	Local Code	Order Code
BBG468 LED25--2700GU10 7W IP44 WH 50W	MASTER LEDspot	White	2700K	25	TRLEDZAD4680001	89066899
BBG468 LED25--2700GU10 7W IP44 ALU 50W	MASTER LEDspot	Brushed Aluminium	2700K	25	TRLEDZAD4680002	89067599



## Product Selection


### Latina LED

	Type	Finish	Colour Temp	Beam (°)	Local Code	Order Code
	BBS160 RDLM1100/830 220-240V WH	White	3000K	1100	TRLEDLAT160001	89002699
	BBS160 RDLM1100/840 220-240V WH	White	4000K	1100	TRLEDLAT160002	89003399
	BBS160 RDLM2000/830 220-240V WH	White	3000K	2000	TRLEDLAT160003	89004099
	BBS160 RDLM2000/840 220-240V WH	White	4000K	2000	TRLEDLAT160004	89005799


### Emergency Stand alone Unit

ZBS480 EL3-LED	TRLEDEMER48001	92615200
BWC S/HJT/LED/20/W/110E3X1/RK STAND ALH	TRLEDEMER48002	55894700

### TurnRound Round Fixed

	Type	Finish	Colour Temp	Beam	Light Intensity (cd)	Local Code	Order Code
	BBG390 6xLED-HB-25-/830 220-240V ALU	Aluminium	3000K	25	3782	TRLEDTUR390001	89010199
	BBG390 6xLED-HB-25-/840 220-240V ALU	Aluminium	4000K	25	4058	TRLEDTUR390002	89011899
	BBG390 6xLED-HB-40-/830 220-240V ALU	Aluminium	3000K	40	3782	TRLEDTUR390003	89012599
	BBG390 6xLED-HB-40-/840 220-240V ALU	Aluminium	4000K	40	4058	TRLEDTUR390004	89013299
	BBG390 6xLED-HB-40-/830 220-240V WH	White	3000K	40		TRLEDTUR390007	89391199
	BBG390 6xLED-HB-40-/840 220-240V WH	White	4000K	40		TRLEDTUR390008	89392899

### TurnRound Round Adjustable

	Type	Finish	Colour Temp	Beam	Light Intensity (cd)	Local Code	Order Code
	BBG391 6xLED-HB-25-/830 220-240V ALU	Aluminium	3000K	25	3782	TRLEDTUR391001	89014999
	BBG391 6xLED-HB-25-/840 220-240V ALU	Aluminium	4000K	25	4058	TRLEDTUR391002	89015699
	BBG391 6xLED-HB-40-/830 220-240V ALU	Aluminium	3000K	40	3782	TRLEDTUR391003	89016399
	BBG391 6xLED-HB-40-/840 220-240V ALU	Aluminium	4000K	40	4058	TRLEDTUR391004	89017099
	BBG391 6xLED-HB-40-/830 220-240V WH	White	3000K	40		TRLEDTUR391005	89393599
	BBG391 6xLED-HB-40-/840 220-240V WH	White	4000K	40		TRLEDTUR391006	89394299

## Product Selection

### TurnRound Square Fixed



Type	Finish	Colour Temp	Beam	Light Intensity (cd)	Local Code	Order Code
BBG392 6xLED-HB-25-/830 220-240V ALU	Aluminium	3000K	25	3782	TRLEDTUR3920001	89092799
BBG392 6xLED-HB-25-/840 220-240V ALU	Aluminium	4000K	25	4058	TRLEDTUR3920002	89093499
BBG392 6xLED-HB-40-/830 220-240V ALU	Aluminium	3000K	40	3782	TRLEDTUR3920003	89094199
BBG392 6xLED-HB-40-/840 220-240V ALU	Aluminium	4000K	40	4058	TRLEDTUR3920004	89095899
BBG392 6xLED-HB-40-/830 220-240V WH	White	3000K	40		TRLEDTUR3920005	89395999
BBG392 6xLED-HB-40-/840 220-240V WH	White	4000K	40		TRLEDTUR3920006	89396699

### TurnRound Square Adjustable



Type	Finish	Colour Temp	Beam	Light Intensity (cd)	Local Code	Order Code
BBG393 6xLED-HB-25-/830 220-240V ALU	Aluminium	3000K	25	3782	TRLEDTUR3930001	89096599
BBG393 6xLED-HB-25-/840 220-240V ALU	Aluminium	4000K	25	4058	TRLEDTUR3930002	89097299
BBG393 6xLED-HB-40-/830 220-240V ALU	Aluminium	3000K	40	3782	TRLEDTUR3930003	89098999
BBG393 6xLED-HB-40-/840 220-240V ALU	Aluminium	4000K	40	4058	TRLEDTUR3930004	89099699
BBG393 6xLED-HB-40-/830 220-240V WH	White	3000K	40		TRLEDTUR3930005	89397399
BBG393 6xLED-HB-40-/840 220-240V WH	White	4000K	40		TRLEDTUR3930006	89398099

### TurnRound IP54 Rated



Type	Finish	Colour Temp	Beam	Light Intensity (cd)	Local Code	Order Code
BBG390 6xLED-HB-25-/830 230V ALU IP54	Aluminium	3000K	25	3782	TRLEDTUR3900005	89049199
BBG390 6xLED-HB-25-/840 230V ALU IP54	Aluminium	4000K	25	4058	TRLEDTUR3900006	89050799
BBG390 6xLED-HB-40-/830 230V ALU IP54	Aluminium	3000K	40	3782	TRLEDTUR3900007	89051499
BBG390 6xLED-HB-40-/840 230V ALU IP54	Aluminium	4000K	40	4058	TRLEDTUR3900008	89052199
BBG390 6xLED-HB-40-/830 230V WH IP54	White	3000K	40		TRLEDTUR3900009	89399799
BBG390 6xLED-HB-40-/840 230V WH IP54	White	4000K	40		TRLEDTUR3900010	89400099

For further information call 01483 293 258

## Product Selection

### TurnRound Grid



Type	Finish	Colour Temp	Beam	Light Intensity (cd)	Local Code	Order Code
BBX395 2x6xLED-HB-25-/830 220-240V WH	White	3000K	25	Double	TRLEDTUR3950005	89112299
BBX395 2x6xLED-HB-25-/830 220-240V ALU	Aluminium	3000K	25	Double	TRLEDTUR3950006	89113999
BBX395 2x6xLED-HB-40-/830 220-240V WH	White	3000K	40	Double	TRLEDTUR3950007	89114699
BBX395 2x6xLED-HB-40-/830 220-240V ALU	Aluminium	3000K	40	Double	TRLEDTUR3950008	89115399
BBX395 3x6xLED-HB-25-/830 220-240V WH	White	3000K	25	Triple	TRLEDTUR3950009	89116099
BBX395 3x6xLED-HB-25-/830 220-240V ALU	Aluminium	3000K	25	Triple	TRLEDTUR3950010	89117799
BBX395 3x6xLED-HB-40-/830 220-240V WH	White	3000K	40	Triple	TRLEDTUR3950011	89118499
BBX395 3x6xLED-HB-40-/830 220-240V ALU	Aluminium	3000K	40	Triple	TRLEDTUR3950012	89119199

### TurnRound Projector



Type	Finish	Colour Temp	Beam	Local Code	Order Code
BRG394 6xLED-HB-25-/830 3C ALU	Aluminium	3000K	25	TRLEDTUR3940001	89156699
BRG394 6xLED-HB-40-/830 3C ALU	Aluminium	3000K	40	TRLEDTUR3940002	89157399
BRG394 6xLED-HB-25-/840 3C ALU	Aluminium	4000K	25	TRLEDTUR3940003	89158099
BRG394 6xLED-HB-40-/840 3C ALU	Aluminium	4000K	40	TRLEDTUR3940004	89159799
BRG394 6xLED-HB-40-/830 3C WH	White	3000K	40	TRLEDTUR3940005	89401799
BRG394 6xLED-HB-40-/840 3C WH	White	4000K	40	TRLEDTUR3940006	89402499


### TurnRound Compact Adjustable




Type	Finish	Colour Temp	Beam	Local Code	Order Code
RS396BLED20--25-/830 PSU-E ALU	Aluminium	3000K	25	TRLEDTUR396001	89435299
RS396BLED20--40-/830 PSU-E ALU	Aluminium	3000K	40	TRLEDTUR396002	89437699
RS396BLED20--25-/840 PSU-E ALU	Aluminium	4000K	25	TRLEDTUR396003	89439099
RS396BLED20--40-/840 PSU-E ALU	Aluminium	4000K	40	TRLEDTUR396004	89441399
RS396BLED20--25-/830 PSU-E WH	White	3000K	25	TRLEDTUR396005	89436999
RS396BLED20--40-/830 PSU-E WH	White	3000K	40	TRLEDTUR396006	89438399
RS396BLED20--25-/840 PSU-E WH	White	4000K	25	TRLEDTUR396007	89440699
RS396BLED20--40-/840 PSU-E WH	White	4000K	40	TRLEDTUR396008	89442099

## Product Selection


### Master Pacific LEDtube

	Type	Lamp included	No. of Lamps	Colour Temp	Wattage	Order Code
	BCW216 1XLT-GA22W/840 KIT	MASTER LEDtube GA 1200mm 22W 840 G13	1	4000K	22	89108599
	BCW216 2XLT-GA22W/840 KIT	MASTER LEDtube GA 1200mm 22W 840 G13	2	4000K	22	89109299
	BCW216 1XLT-GA22W/840 FU KIT	MASTER LEDtube GA 1200mm 22W 840 G13	1	4000K	22	89110899
	BCW216 2XLT-GA22W/840 FU KIT	MASTER LEDtube GA 1200mm 22W 840 G13	2	4000K	22	89111599


### Securipack LED

	Type	No. of Lamps	Wattage	Local Code	Order Code
	BCS200 6xLXML/WW 10W 220-240V IP65 GR	6	60	TRLED-SECBCS007	88818499

### Gondola LED

	Type	Finish	Colour Temp	Local Code	Order Code
	BWG201 1xLED700/830 PSU GR	Grey	3000K	TRLEDGON201001	89247199
	BWG201 1xLED700/840 PSU GR	Grey	4000K	TRLEDGON201002	89248899
	BWG201 1xLED700/830 PSU WH	White	3000K	TRLEDGON201003	89249599
	BWG201 1xLED700/840 PSU WH	White	4000K	TRLEDGON201004	89250199

### Vaya Flood LED

	Type	Colour Temp	Beam	Local Code	Order Code
	BCP410 G 18xLED-HB/3000 100-240V 15 CE	3000K	15D	TRLEDVAY410003	79211599
	BCP410 G 18xLED-HB/3000 100-240V 30 CE	3000K	30D	TRLEDVAY410004	79212299
	BCP410 G 18xLED-HB/4000 100-240V 15 CE	4000K	15D	TRLEDVAY410005	79213999
	BCP410 G 18xLED-HB/4000 100-240V 30 CE	4000K	30D	TRLEDVAY410006	79214699

### Vivara LED

	Type	Finish	Colour Temp	Local Code	Order Code
	BGC136 RDLM2000/830 220-240V GN	Green	3000K	TRLEDVIV136001	89387400
	BGC136 RDLM2000/830 220-240V BK	Black	3000K	TRLEDVIV136002	89388100
	BGC137 RDLM2000/830 220-240V GN	Green	3000K	TRLEDVIV137001	89389800
	BGC137 RDLM2000/830 220-240V BK	Black	3000K	TRLEDVIV137002	89390400





# Guidance



422

Amazon  
LED



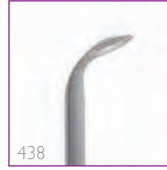
428

Marker  
LED



434

Asymmetric  
Wall Marker  
LED



438

Ledino  
(Outdoor)



442

Wall Marker  
LED



446

DecoScene  
LED



450

Light Tube



454

Multipole

# Amazon LED

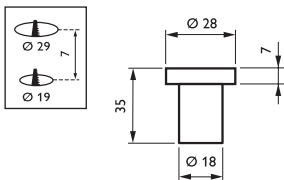
- \_Recessed marker light for outdoor and indoor applications such as decking, terrace or garden environments
- \_Also suitable for wall and ceiling mounting environments
- \_Five options of single colour LEDs: Yellow, blue, green, red, cool white
- \_Available in three sizes and LED configurations





## Amazon LED

### Standard features



### Type

#### Light source

#### Light colour

#### Power supply

#### Power consumption

#### Optic/cover

#### Options

#### Materials and finishing

#### Housing

#### Installation

#### Operating temp.

#### Lifetime

#### Accessories

#### Remarks

#### Main applications

#### Classification code

### BBC21 I (single pack, 10 pack, 10 pack KIT)

1 x SMD LED-HB

Single pack, 10 pack: red (RD), green (GN), blue (BL), amber (AM), white (WH)

10 pack KIT: Single: Blue (BL), white (WH)

Single pack: 9V DC

10 pack KIT: 220-240V / 50-60Hz

Single pack: 0.25W

10 pack KIT: 3W

Frosted polycarbonate

Remote control unit

Housing: die-cast aluminium

Top cover: polycarbonate

Gray

Ceiling, wall and ground recessed

$-20^{\circ}\text{C} < T_a < 35^{\circ}\text{C}$

50,000 hours (70% lumen maintenance at  $T_a = 25^{\circ}\text{C}$ )

230V / 9V transformer + remote control. Must be ordered separately for Single and Set versions

Configuration of kit version: 10 markers, transformer, remote control, battery, 20m cable and 22 quick-fit connectors; for the set version: 10 markers

Office, retail, hospitality

 static load: 1000Kg

## Product Selection

### Amazon LED – BBC211 Mini IP65



Colour	Weight (kg)	Power (w)	Order Code
● Yellow	0.02	0.25	80921299
● Blue	0.02	0.25	80918299
● Green	0.02	0.25	80919999
● Red	0.02	0.25	80920599
● Cool white	0.02	0.25	80917599

### Amazon LED – BBC211 Mini Set of 10



Colour	Weight (kg)	Power (w)	Order Code
● Yellow	0.25	3	80926799
● Blue	0.25	3	80923699
● Green	0.25	3	80924399
● Red	0.25	3	80925099
● Cool white	0.25	3	80922999

### Amazon LED – BBC211 Mini Kit of 10

(All system components included for ease of installation. Marker light, power supply, remote control, battery, 20m cable 22 quick fit connection)

Colour	Power (w)	Order Code
● Blue	3	80048699
● Cool white	3	80047999

## System Components

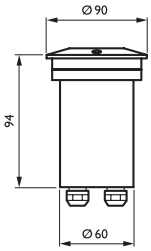
### Power Supply

Product	Order Code
EBC211 ETR RC 9V IP55	80942799



## Amazon LED

### Standard features



### Type

### BBC206 (single pack)

Complete

### Light source

6 x LED-HB (5mm)

### Light colour

Single: red (RD), green (GN), blue (BL), amber (AM), white (WH)

### Power supply

24V DC

### Power consumption

0.5W

### Optic/cover

Frosted glass

### Materials and finishing

Housing: technopolymer (PBT)

Top cover: tempered glass and polycarbonate (patented LED Guard® technology) Top ring: stainless steel

### Housing

Gray

### Installation

Ceiling, wall and ground recessed

Operating temperature  $-20^{\circ}\text{C} < T_a < 35^{\circ}\text{C}$

### Lifetime

50,000 hours (70% lumen maintenance at  $T_a = 25^{\circ}\text{C}$ )

### Accessories

Need to have 230V / 24V transformer; recessed tube, transformer covers. Optional – aluminium decorative ring, recessed tube, ceiling fixation clips. 10 units per driver max.

### Main applications

Office, retail, hospitality

### Classification code

static load: 1000Kg

### Product Selection

#### Amazon LED 6 x LED High Bright 24V – BBC206



### Colour

- Yellow
- Blue
- Green
- Red
- Cool white

### Weight (kg)

0.41  
0.41  
0.41  
0.41  
0.41

### Power (w)

0.25  
0.25  
0.25  
0.25  
0.25

### Order Code

14353800  
14350700  
14351400  
14352100  
14349100

### System Components

### Product

- Aluminium Deco Ring
- Recessing Tube for inground installation
- Ceiling fixation Clips
- Aluminium cover for power supply
- Stainless Steel cover for power supply

### Order Code

14364400  
14365100  
14584600  
14585300  
14586000

### Power Supply

### Product

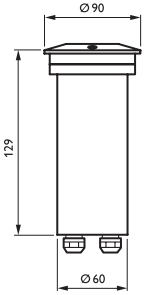
ECB206 ETR 230/24V IP65

### Order Code

14580800

## Amazon LED

### Standard features



### Type

### BBC212 (single pack)

Complete with driver and recessing tube

### Light source

12 x LED-HB (5mm)

### Light colour

Single: red (RD), green (GN), blue (BL), amber (AM), white (WH)

### Power supply

220-240V / 50-60Hz

### Power consumption

0.8W

### Optic/cover

Frosted glass

### Materials and finishing

Housing: technopolymer (PBT)

Top cover: tempered glass and polycarbonate (patented

LED Guard® technology) Top ring: stainless steel

### Housing

Gray

### Installation

Ceiling, wall and ground recessed

Operating temperature  $-20^{\circ}\text{C} < T_a < 35^{\circ}\text{C}$

### Lifetime

50,000 hours (70% lumen maintenance at  $T_a = 25^{\circ}\text{C}$ )

### Accessories

Aluminium decorative ring, ceiling fixation clips

### Main applications

Office, retail, hospitality

### Classification code







 static load: 1000Kg

### Product Selection

#### Amazon LED 12 x LED High Bright 24V – BBC212



### Colour

- Yellow
- Blue
- Green
- Red
- Cool white

### Weight (kg)

0.5  
0.5  
0.5  
0.5  
0.5

### Power (w)

0.8  
0.8  
0.8  
0.8  
0.8

### Order Code

14343900  
14583900  
14341500  
14342200  
14582200

### System Components

#### Product

Aluminium Deco Ring

Ceiling fixation Clips

#### Order Code

14364400

14584600

#### Power Supply

#### Product

Power supply integrated

#### Order Code

80942799

# Marker LED

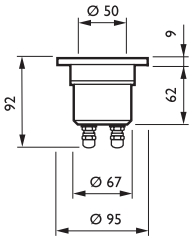
- \_Main applications areas include, urban areas and indoor – ideal for guidance
- \_Single colour and RGB versions available
- \_3 shapes, round rectangular and square
- \_Uniform light output





## Marker LED

### Standard features



### Type

### BBG300 (Round 220-240V)

### Light source

Single: 12 x SMD LED  
RGB: 10 x SMD LED

### Light colour

Single-colour version: cool white (WH), red (RD), green (GN), blue (BL), amber (AM)  
Tri-colour version: red, green, blue (RGB)

### Power supply

220-240V AC / 50-60Hz (PSU)

### Power consumption

Max 4W  
RGB 220 - 240W

### Controls

Compatible with full line of Philips DMX controllers

### Materials and finishing

Top cover: tempered glass (with internal diffuser)  
Top ring: stainless steel  
Gearbox: polycarbonate

### Installation

Ground or wall recessed  
Two M20 cable glands for through-wiring facility

### Operating temp.

-20°C < Ta < 50°C

### Maintenance

No internal cleaning required

### Lifetime

50,000 hrs (70% lumen maintenance)

### Accessories

Recessed and pre-recessed boxes (for outdoor use)

### Main applications

Urban areas, indoor applications

### Classification code





## Product Selection

### Marker LED Round – BBG300



Colour	Power (w)	Weight (kg)	Order Code
● Amber	2.3	0.48	00993399
● Blue	3.1	0.48	00996499
● Green	3.1	0.48	00995799
● Red	2.3	0.48	00994099
● RGB	3.6	0.40	80235099
○ White	3.1	0.48	00992699

## System Components

*(Only applicable to RGB)*

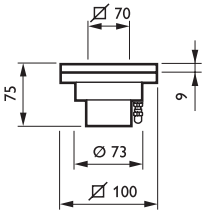
Product	Order Code
Pre Recessed + Mounting Box Single Colour (for concrete)	80200899
Pre Recessed + Mounting Box RGB (for concrete)	80202299

## Controls

*(See page 524 for  
full list of controls)*

## Marker LED

### Standard features



### Type

### BBG310 (Square 220-240V)

### Light source

Single: 16 x SMD LED  
RGB: 20x SMD LED

### Light colour

Single-colour version: white (WH), red (RD), green (GN), blue (BL), amber (AM)  
Tri-colour version: red, green, blue (RGB)

### Power supply

220-240V AC / 50-60Hz (PSU)

### Power consumption

Max 7W (RGB 220-240V)

### Controls

Compatible with full line of Philips DMX controllers

### Materials and finishing

Top cover: tempered glass (with internal diffuser)  
Top ring: stainless steel  
Gearbox: polycarbonate

### Installation

Ground or wall recessed  
Two M20 cable glands for through-wiring facility

### Operating temp.

-20°C < Ta < 50°C

### Maintenance

No internal cleaning required

### Accessories

Recessed and pre-recessed boxes (suitable for concrete)  
Must be ordered separately

### Main applications

Urban areas, indoor applications

### Classification code



## Product Selection

### Marker LED Square – BBG310



### Colour

- Amber
- Blue
- Green
- Red
- RGB
- White

### Power (w)

- 2.3
- 3.8
- 3.8
- 2.3
- 6.6
- 3.8

### Weight (kg)

- 0.54
- 0.54
- 0.54
- 0.54
- 0.54
- 0.54

### Order Code

- 79708399
- 79711399
- 79710699
- 79709099
- 80237499
- 79707699

## System Components

### Mounting Boxes

### Product

- Pre Recessed + Mounting Box Single Colour (for concrete)
- Pre Recessed + Mounting Box RGB (for concrete)

### Order Code

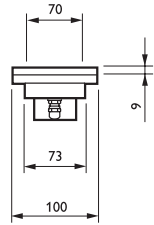
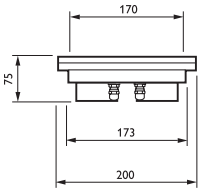
- 80225199
- 80227599

### Controls

(See page 524 for full list of controls)

## Marker LED

### Standard features



### Type

### BBG320 (Rectangular 220-240V)

### Light source

Single: 40 x SMD LED  
 RGB: 40 x SMD LED

### Light colour

Single-colour version: white (WH), red (RD), green (GN), blue (BL), amber (AM)  
 Tri-colour version: red, green, blue (RGB)

### Power supply

220-240V AC / 50-60Hz (PSU)

### Power consumption

Max 13W (RGB 220-240V)

### Controls

Compatible with full line of Philips DMX controllers

### Materials and finishing

Top cover: tempered glass (with internal diffuser)  
 Top ring: stainless steel  
 Gearbox: polycarbonate

### Installation

Ground or wall recessed  
 Two M20 cable glands for through-wiring facility

### Operating temp.

-20°C < T<sub>a</sub> < 50°C

### Maintenance

No internal cleaning required

### Accessories

Recessed and pre-recessed boxes (suitable for concrete)  
 Must be ordered separately

### Main applications

Urban areas, indoor applications

### Classification code



## Product Selection

### Marker LED

### Rectangular – BBG320



### Colour

- Amber
- Blue
- Green
- Red
- RGB
- White

### Power (w)

- 4.6
- 7.6
- 7.6
- 4.6
- 12.7
- 7.6

### Weight (kg)

- 1.08
- 1.08
- 1.08
- 0.89
- 1.08
- 1.06

### Order Code

- 79718299
- 79721299
- 79720599
- 79719999
- 80239899
- 79717599

## System Components

### Mounting Boxes

### Product

- Pre Recessed + Mounting Box Single Colour (for concrete)
- Pre Recessed + Mounting Box RGB (for concrete)

### Order Code

- 80231299
- 80233699

### Controls

(See page 524 for full list of controls)

# Asymmetric Wall Marker LED

- \_Ideal for indoor and outdoor guidance
- \_Cool white Luxeon K2 LEDs
- \_3 choices, different sizes and brightness levels
- \_Rugged die-cast aluminium construction with an enclosed light engine providing IP54 protection










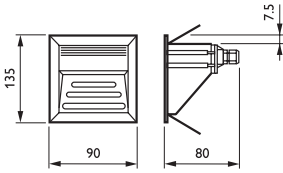
## Asymmetric Wall Marker LED


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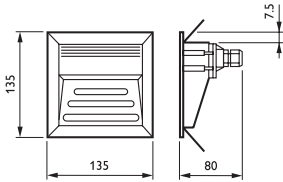
<b>Standard features</b>	<b>Type</b>	<b>BWG331</b> <b>BWG332</b> <b>BWG333</b>
	<b>Light source</b>	BWG331: 1 x LUXEON® K2 BWG332: 2 x LUXEON® K2 BWG333: 3 x LUXEON® K2
	<b>Light colour</b>	Cool white
	<b>Power supply</b>	220-240V / 50-60Hz
	<b>Power consumption</b>	1 x LED-K2: max 3W 2 x LED-K2: max 6W 3 x LED-K2: max 9W
	<b>Optic / cover</b>	Diffuse window
	<b>Operating temp.</b>	-20°C > Ta > 35°C
	<b>Lifetime</b>	50,000 hrs (70% lumen maintenance)
	<b>Option</b>	Lighting controls: switch only
	<b>Materials and finishing</b>	Housing: aluminium Bracket: stainless steel Recessed box: plastic
	<b>Installation</b>	Recessed, vertical via recessed box
	<b>Accessory</b>	Recessed boxes
	<b>Main applications</b>	Guidance lighting indoor and outdoor
	<b>Classification code</b>	   


## Product Selection

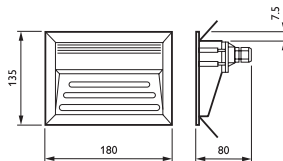
Asymmetric Wall Marker LED 1 x LED – BWG331	Product	Power (w)	Weight (kg)	Order Code
	1 x LED-LXN/CW PSU 220-240V CLII	3	0.30	80849999



Asymmetric Wall Marker LED 2 x LED – BWG332	Product	Power (w)	Weight (kg)	Order Code
	2 x LED-LXN/CW PSU 220-240V CLII	6	0.42	80850599



Asymmetric Wall Marker LED 3 x LED – BWG333	Product	Power (w)	Weight (kg)	Order Code
	3 x LED-LXN/CW PSU 220-240V CLII	9	0.55	80851299



## System Components

Mounting Boxes	Product	Weight (kg)	Order Code
	BWG331 Recessed Mounting Box	1.3	80852999
	BWG332 Recessed Mounting Box	1.7	80853699
	BWG333 Recessed Mounting Box	1.6	80854399

# Ledino Outdoor

- \_ Bold, and minimalist. Elegant and contemporary
- \_ Low cost and easy to maintain
- \_ Typically consumes just a fifth of the power of a standard incandescent garden lamp and has an ultra long lifetime of more than 20 years
- \_ Applications- perfect way to grace gardens, pathways, and outdoor spaces with light









## Ledino

### Standard features

<b>Type</b>	Ledino Outdoor
<b>Power</b>	220-240V 50-60Hz
<b>Base material</b>	Aluminium
<b>Output</b>	SELV
<b>Energy consumption</b>	1 x 7.5W
<b>Life span</b>	20 years
<b>Light colour</b>	3100K Warm White

### Product Selection

Post lantern IP44	Base Material	Light Colour	Power (W)	Size	Order Code
aluminium 	aluminium	● Warm White (3100K)	1 x 7.5 W	Length 127 Width 164 Height 395	168018716
grey 	aluminium	● Warm White (3100K)	1 x 7.5 W	Length 127 Width 164 Height 395	168019316
antracit 	aluminium	● Warm White (3100K)	1 x 7.5 W	Length 127 Width 164 Height 790	168028716
grey 	aluminium	● Warm White (3100K)	1 x 7.5 W	Length 127 Width 164 Height 790	168029316

Ceiling lights IP23	Base Material	Light Colour	Power (W)	Size	Order Code
white 	aluminium	● Warm White (3100K)	1 x 7.5 W	Length 110 Width 85 Height 49	168113116
grey 	aluminium	● Warm White (3100K)	1 x 7.5 W	Length 110 Width 85 Height 49	168118716

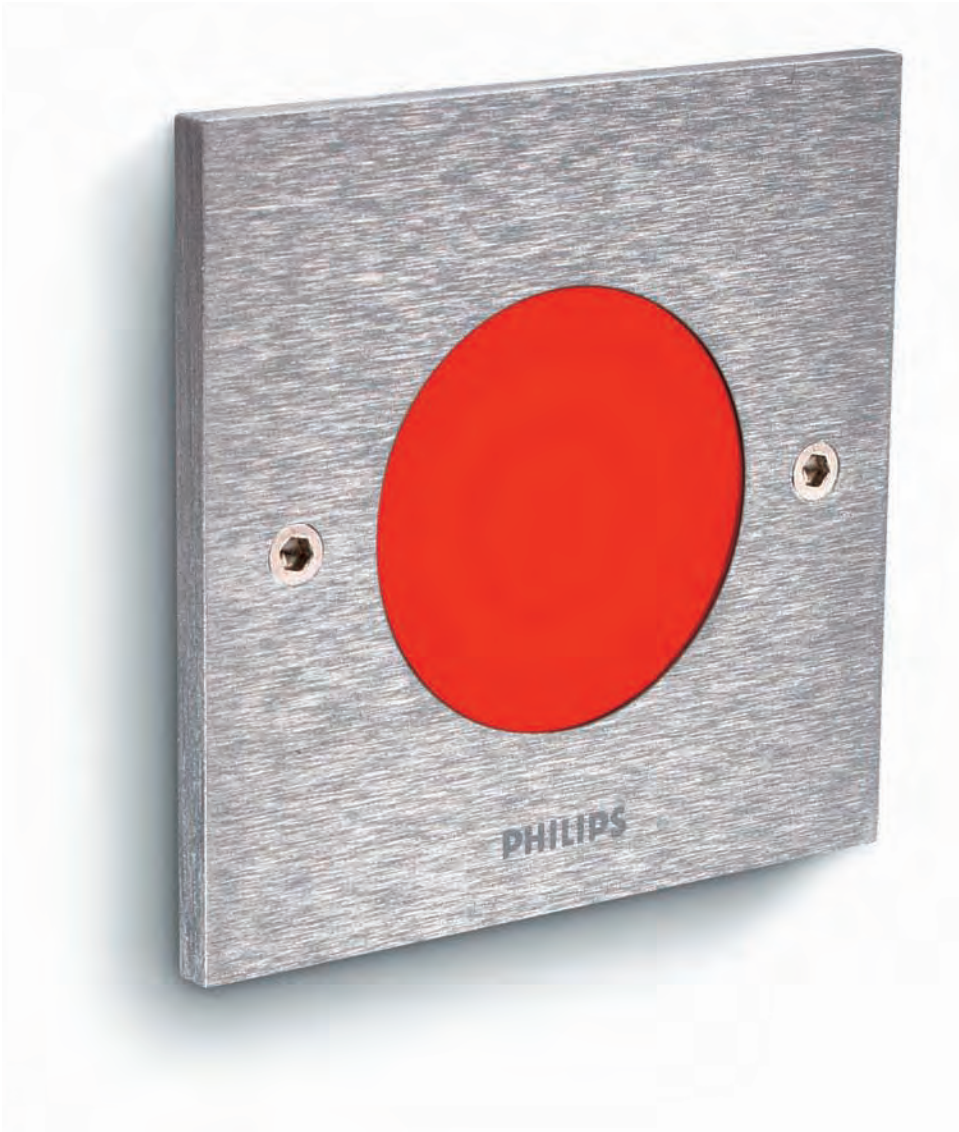


## Product Selection

Wall lights IP44	Base Material	Light Colour	Power (W)	Size	Order Code
inox 	aluminium	● Warm White (3100K)	1 x 7.5 W	Length 345 Width 80 Height 94	168084716
antracit 	aluminium	● Warm White (3100K)	1 x 7.5 W	Length 345 Width 80 Height 94	168089316
inox 	aluminium	● Warm White (3100K)	1 x 7.5 W	Length 283 Width 48 Height 180	168094716
grey 	aluminium	● Warm White (3100K)	1 x 7.5 W	Length 56 Width 165 Height 148	168108716
antracit 	aluminium	● Warm White (3100K)	1 x 7.5 W	Length 56 Width 165 Height 148	168109316
grey 	aluminium	● Warm White (3100K)	1 x 7.5 W	Length 128 Width 178 Height 241	168008716
antracit 	aluminium	● Warm White (3100K)	1 x 7.5 W	Length 128 Width 178 Height 241	168009316
antracit 	aluminium	● Warm White (3100K)	1 x 7.5 W	Length 186 Width 179 Height 99	168068716
grey 	aluminium	● Warm White (3100K)	1 x 7.5 W	Length 248 Width 159 Height 53	168073116
white 	aluminium	● Warm White (3100K)	1 x 7.5 W	Length 248 Width 159 Height 53	168078716

# Wall Marker LED

- \_Interior product for guidance, wall, corridor and stairwells
- \_Round or Square versions
- \_Choice of colours, white, blue and RGB
- \_Uniform light output








Photography:  
\_Michael Graves

## Wall Marker LED

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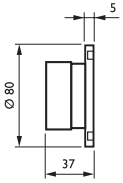
### Standard features

<b>Type</b>	<b>BBW300 (5 LED Round)</b> <b>BBW301 (5 LED Square)</b>
<b>Light source</b>	5 x SMD LED
<b>Light colour</b>	Single: blue, cool white, RGB
<b>Power supply</b>	220-240V / 50-60Hz
<b>Power consumption</b>	Max 5W
<b>Lifetime</b>	30,000 hrs (70% lumen maintenance)
<b>Option</b>	Lighting controls: Single: switch only
<b>Materials and finishing</b>	Cover: brushed aluminium and frosted glass
<b>Installation</b>	Recessed in existing plug housing
<b>Main applications</b>	Guidance lighting indoor (wall, corridor; staircase)
<b>Classification code</b>	  

## Product Selection

### Wall Marker LED Round – BBW300

With separate light and sensor module

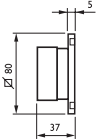


Colour	LEDs	Power (w)	Weight (kg)	Order Code
● Blue	5	5	0.14	80112499
○ White	5	5	0.14	80111799
● RGB	3	5	0.14	80113199

RGB version does not need control but has an automatic colour stop sequence

### Wall Marker LED Square – BBW301

With separate light and sensor module



Colour	LEDs	Power (w)	Weight (kg)	Order Code
● Blue	5	5	0.15	80115599
○ White	5	5	0.15	80114899
● RGB	3	5	0.15	80116299

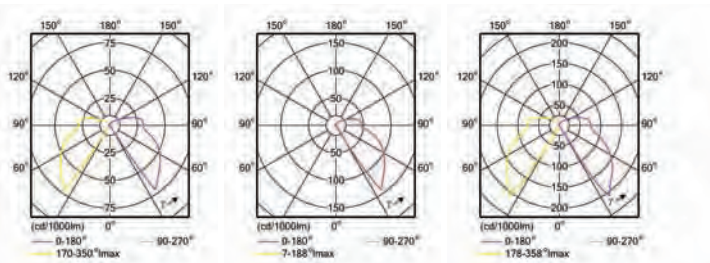
RGB version does not need control but has an automatic colour stop sequence

## Polar Intensity Diagram (For further Photometric data please contact our technical department)

Wall Marker LED  
Cool white BWG331  
Lamp: 1 x 1x LXN/CW  
Luminaire Lumens: 9

Wall Marker LED  
Cool white BWG332  
Lamp: 1 x 2x LXN/CW  
Luminaire Lumens: 34

Wall Marker LED  
Cool white BWG333  
Lamp: 1 x 3x LXN/CW  
Luminaire Lumens: 84



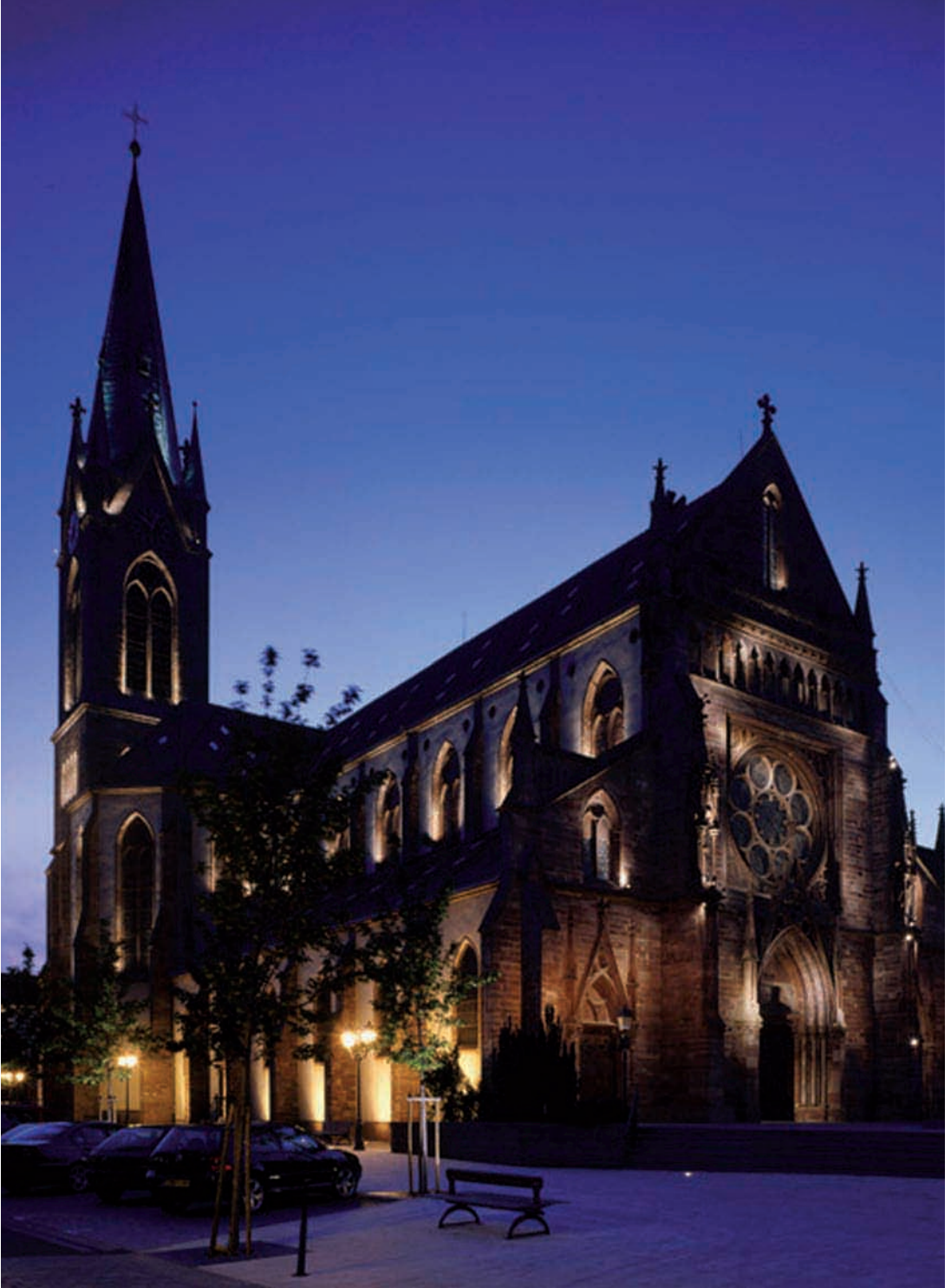
☎ For further information call 01483 293 258









# DecoScene LED

- \_ Used to mark out paths and gardens, enhance a city centre, or highlight parking places
- \_ An unobtrusive presence by day
- \_ A choice of saturated colours for an attractive light affect at night
- \_ Low-power LED modules can be easily exchanged to extend luminaire lifetime



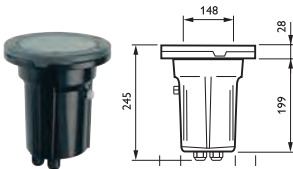


## DecoScene LED

Standard features	Type	BBP521
	<b>Light source</b>	12x SMD LED-LP
	<b>Light colour</b>	Mono-colour: white (WH), blue (BL), amber (AM), red (RD), green (GN) Tri-colour: red, green, blue (RGB)
	<b>Power supply</b>	220-240 V AC / 50-60 Hz
	<b>Power consumption</b>	Max 5 W
	<b>Power/data supply</b>	Integrated
	<b>Materials and finishing</b>	Housing: die-cast aluminium Front glass: tempered glass, 15mm Gasket: silicon Installation tube: PVC Screws: stainless steel
	<b>Optical cover</b>	Clear glass with internal diffuser (GC) Shallow glass bowl with internal diffuser (GB)
	<b>Cable gland</b>	2 x M20 (mono-colour version) 2 x M20 and 2 x M12 (tri-colour version)
	<b>Colour</b>	Philips dark grey 10714 (GR) Other RAL colours available on request
	<b>Remarks</b>	Recessed mounting box Standard delivered with BBP521. Can be ordered separately.
	<b>Controls</b>	The RGB version is compatible with full line of Philips DMX controllers
	<b>Driver</b>	220-240V AC / 50-60 Hz
	<b>Installation</b>	In recessing box (RMR) Operating temperature: $-20^{\circ}\text{C} < T_a < 25^{\circ}\text{C}$
	<b>Lifetime</b>	50,000 hours (70% maintenance at $T_a = 25^{\circ}\text{C}$ )
	<b>Accessories</b>	Square tile (SV), stainless steel decorative ring (DR), anti-vandal screws (SVP), recessing box (RMB), radial shields (GS1, GS4)
	<b>Main application</b>	Guidance in private or urban areas, gardens, footpaths
	<b>Classification code</b>	     

## Product Selection

DecoScene Ground Recessed Luminaire- BBP521 Clear Glass	Light colour	Housing colour	Weight (kg)	Order Code
	White	Grey	4.65	29490300
	Red	Grey	4.65	29494100
	Green	Grey	4.65	29491000
	Amber	Grey	4.65	29493400
	Blue	Grey	4.65	29492700
	RGB	Grey	4.65	29489700

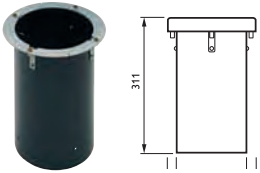


## Product Selection

DecoScene Ground Recessed Luminaire-BBP521 Shallow Glass Bowl	Light colour	Power (w)	Weight (kg)	Order Code
	White	Grey	4.65	29496500
	Red	Grey	4.65	29500900
	Green	Grey	4.65	29497200
	Amber	Grey	4.65	29499600
	Blue	Grey	4.65	29498900
	RGB	Grey	4.65	29495800

## System Components

Accessories	Product	Weight	Order Code
	Recessed Mounting Box ZBP521	1.650kg	72733200



# Light Tube LED

- \_Creates real ambience for city beautification
- \_IK10 impact resistance is ideal for harsh environments.
- \_Range available in RGB or AWB versions.
- \_The same product with multiple light functions and effects.
- \_Transparent tube for a day time high-end, metallic-effect that becomes transparent when lit up at night.

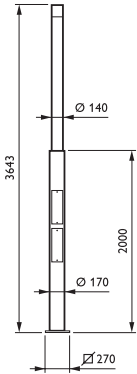






## Light Tube LED

### Standard features



### Type

**HGS445**

### Light source

9xLuxeon

### Light colour

Tri-colour version- red, green, blue (RGB) amber; white, blue(RWB)

### Power consumption

Max 36W (depends on display colour)

### Driver

220-240V / 50-60Hz, integrated

### Material

Die-cast aluminium

### Colour

Phillips Grey 10714, other RAL colours available on request

### Installation

Equipped with a conventional flange plate (270x270mm) for four M18 x 400mm anchor bolts (not supplied) with a grid spacing of 200mm. Column extension for 1000mm embedded foundation is available. The column base can be embedded with a decorative cover.

### Lifetime

50,000 hours, -30% flux depreciation

### Main applications

Urban areas, parks, gardens, car parks, commercial centres, circulation zones

### Main applications

Piazas, commercial centres, parking lots, offices.

### Classification code



## Product Selection

### Light Tube LED HGS445

### Light Colour



### Housing

Grey  
Grey

### Weight (kg)

30  
30

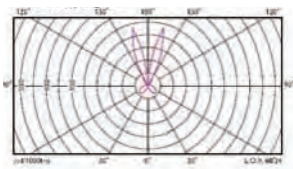
### Order Code

95839900  
96840500

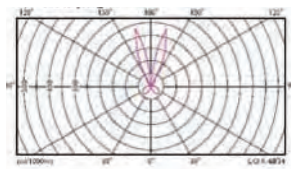


## Polar Intensity Diagram (For further Photometric data please contact our technical department)

LightTube T70W  
Standard IO GR  
Luminaire Lumens: 1x14000



LightTube T70W  
Standard IO GR  
Luminaire Lumens: 1x6600





# Multipole

\_Multipole is a multi-functional lighting concept that integrates state-of-the-art technologies, such as LEDs, and intelligent, dynamic lighting control systems.

\_This modular and fully integrated lighting system offers – within one neutrally designed pole – five different lighting modules:

- Top Light provides dynamic and coloured guidance light
- Road Light provides dimmable and uniform functional light
- Pedestrian Light provides sensor-activated and localised light
- Reading Light provides personal and focused interactive light
- Foot Light provides dynamic and coloured decorative light



**Please contact Philips for your customised configuration**







# Urban & Architectural



458

SpeedStar



462

Mini Iridium



466

TunLite LED



470

Residium  
Fortimo



474

Residium  
Aluminium



478

CitySpirit



482

City Spirit  
Street LED



486

UrbanScene LED



490

CitySoul LEDGINE



494

MileWide  
LEDGINE



498

Koffer² LED



502

Mini300LED



510

Mini 300 Stealth  
LEDGINE



516

OptiFlood  
LEDGINE

# SpeedStar

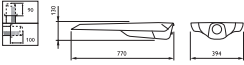
- \_ Slim aesthetical design optimized for LED
- \_ Maximized energy savings – up to 70%
- \_ Easy to maintain – On-site servicing
- \_ Easy to upgrade – To benefit from latest LED technology improvements
- \_ Best lighting quality, uniform and comfortable
- \_ Fit for traditional applications, norms & requirements





# SpeedStar

## Standard features

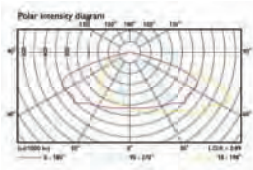


<b>Type</b>	<b>BGP322 SpeedStar Medium</b> <b>BGP323 SpeedStar Large</b>
<b>Light colour</b>	ComfortLine (CFT): 3000 K GreenLine (GRN): 4000 K EconomyLine (ECO): 5600 K
<b>Light Source</b>	Integral LEDGINE module
<b>Driver</b>	Integrated 220-240V / 50-60Hz
<b>Optic</b>	Road Distribution Medium (DM), Road Distribution Wide (DW), Road Distribution Extremely wide (DX), Road Distribution Comfort (DC)
<b>Controls</b>	Lumistep: 6h, 8h Dynadimmer; 5 individual dimlevels can be programmed (connected to 1-10V input) OLC; module to connect luminaire to StarSense2
<b>Materials and finishing</b>	Housing: high-pressure die cast aluminium, coated Gasket: silicone rubber; heat resistant Optics: PMMA Glass thermally hardened
<b>Installation</b>	Integrated spigot, Flexible-fit with moon-shaped baffle, continuously variable Side entry: 42-60 mm, tilt 0° Post top: 60mm & 76 mm, tilt 0° & 5°
<b>Operating temp.</b>	-40°C < Ta < +50°C (with Ta=+25°C as nominal temperature)
<b>Lifetime</b>	60,000 hours
<b>Options</b>	NEMAsocket (P1) for photocell Minicell 30 / 55 / 75lux SDU Fuse and Surge protection 10kV
<b>Main applications</b>	Roads & Residential streets
<b>Classification code</b>	

## Polar Intensity Diagram (For further Photometric data please contact our technical department)

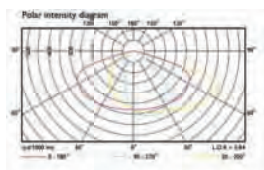
### SpeedStar BGP322

16xCFT-1S/830 DC  
Lampflux : 16 x 87 lm



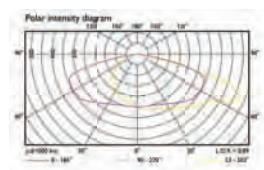
### SpeedStar BGP322

80xECO-1S/756 DC  
Lampflux : 80 x 148 lm



### SpeedStar BGP323

160xGRN-1S/740 DW  
Lampflux : 160 x 105 lm





## Product Selection

### BGP322 SpeedStar Medium

Number of LED's	Light Colour	Power (W)	Weight KG	Optic	Minicell	Order code
48	○ Neutral White (4000 K)	60	13	Road Distribution Medium	No	83892900
48	○ Neutral White (4000 K)	60	13	Road Distribution Wide	Yes	83908700
48	○ Neutral White (4000 K)	60	13	Road Distribution Medium	No	83903200
48	○ Neutral White (4000 K)	60	13	Road Distribution Wide	Yes	83918600
56	○ Neutral White (4000 K)	70	13	Road Distribution Medium	No	83893600
56	○ Neutral White (4000 K)	70	13	Road Distribution Wide	Yes	83909400
56	○ Neutral White (4000 K)	70	13	Road Distribution Medium	No	83904900
56	○ Neutral White (4000 K)	70	13	Road Distribution Wide	Yes	83919300
64	○ Neutral White (4000 K)	80	13	Road Distribution Medium	No	83894300
64	○ Neutral White (4000 K)	80	13	Road Distribution Wide	Yes	83910000
64	○ Neutral White (4000 K)	80	13	Road Distribution Medium	No	83905600
64	○ Neutral White (4000 K)	80	13	Road Distribution Wide	Yes	83920900
72	○ Neutral White (4000 K)	90	13	Road Distribution Medium	No	83895000
72	○ Neutral White (4000 K)	90	13	Road Distribution Wide	Yes	83911700
72	○ Neutral White (4000 K)	90	13	Road Distribution Medium	No	83906300
72	○ Neutral White (4000 K)	90	13	Road Distribution Wide	Yes	83921600
80	○ Neutral White (4000 K)	100	13	Road Distribution Medium	No	83896700
80	○ Neutral White (4000 K)	100	13	Road Distribution Wide	Yes	83912400
80	○ Neutral White (4000 K)	100	13	Road Distribution Medium	No	83907000
80	○ Neutral White (4000 K)	100	13	Road Distribution Wide	Yes	83922300

### BGP323 SpeedStar Large

Number of LED's	Light Colour	Power (W)	Weight KG	Optic	Minicell	Order code
112	○ Neutral White (4000 K)	140	17.5	Road Distribution Medium	No	83923000
112	○ Neutral White (4000 K)	140	17.5	Road Distribution Wide	Yes	83933900
112	○ Neutral White (4000 K)	140	17.5	Road Distribution Medium	No	83928500
112	○ Neutral White (4000 K)	140	17.5	Road Distribution Wide	Yes	83938400
120	○ Neutral White (4000 K)	150	17.5	Road Distribution Medium	No	83924700
120	○ Neutral White (4000 K)	150	17.5	Road Distribution Wide	Yes	83934600
120	○ Neutral White (4000 K)	150	17.5	Road Distribution Medium	No	83929200
120	○ Neutral White (4000 K)	150	17.5	Road Distribution Wide	Yes	83939100
128	○ Neutral White (4000 K)	159	17.5	Road Distribution Medium	No	83925400
128	○ Neutral White (4000 K)	159	17.5	Road Distribution Wide	Yes	83935300
128	○ Neutral White (4000 K)	159	17.5	Road Distribution Medium	No	83930800
128	○ Neutral White (4000 K)	159	17.5	Road Distribution Wide	Yes	83940700
152	○ Neutral White (4000 K)	169	17.5	Road Distribution Medium	No	83926100
152	○ Neutral White (4000 K)	169	17.5	Road Distribution Wide	Yes	83936000
152	○ Neutral White (4000 K)	169	17.5	Road Distribution Medium	No	83931500
152	○ Neutral White (4000 K)	169	17.5	Road Distribution Wide	Yes	83941400
160	○ Neutral White (4000 K)	179	17.5	Road Distribution Medium	No	83927800
152	○ Neutral White (4000 K)	179	17.5	Road Distribution Wide	Yes	83937700
152	○ Neutral White (4000 K)	179	17.5	Road Distribution Medium	No	83932200
152	○ Neutral White (4000 K)	179	17.5	Road Distribution Wide	Yes	83942100

☎ For further information call 01483 293 258

# Mini Iridium LED

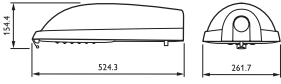
- \_ Design to adapt to changing demands of road lighting
- \_ Low cost of ownership
- \_ Superior optics
- \_ Dimming and telemanagement capability
- \_ Ease of installation and maintenance
- \_ Main applications: residential, minor roads, major roads, and motorways





## Mini Iridium LED

### Standard features



### Type

#### Light source

#### Light colour

#### Driver (integrated)

#### Optic

#### Housing colour

#### Materials and finishing

#### Installation

#### Accessory

#### Main applications

#### Operating temperature

#### Classification code

### BGS45 I

16, 24 x LED-HP

Warm White (3000K)

Driver 350 mA with Constant Light Output function (CLO)

Narrow Street (NSO) Medium Street (MSO)

Brilliant grey, approx RAL7043 (GR)

Housing: high pressure die-cast aluminium, non-corrosive

Gasket: silicone rubber, heat-resistant

Cover: polycarbonate, frosted with clear lenses

Heat sink (internal): high pressure die-cast aluminium, non-corrosive

Flexifit spigot for post top mounting: axial entry  $\varnothing$  60 - 76 mm at  $10^\circ$  tilt or side entry mounting: lateral entry  $\varnothing$  34 - 48 mm

Recommended mounting height: 3.5 to 6 m and 6 to 9 m

Standard tilt angle post top:  $10^\circ$  standard

Max SCx value by side:  $0.032 \text{ m}^2$  (GB/GBD versions),  $0.032 \text{ m}^2$  (FG/FGD versions)

Wall mounting bracket

Dedicated mast and wall brackets available for different mounting possibilities

Side entry reducer from 60 to 48 mm

Residential streets, pedestrian and cycle paths and minor roads

$(- )20^\circ\text{C} < T_a < 35^\circ\text{C}$  (version 90 W max  $25^\circ\text{C}$ )



## Product Selection

### BGS451 Mini Iridium LED



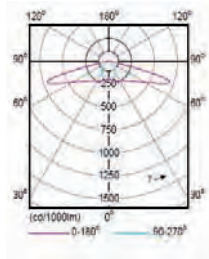
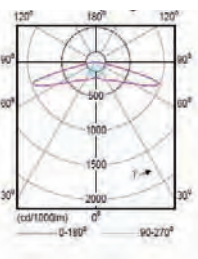
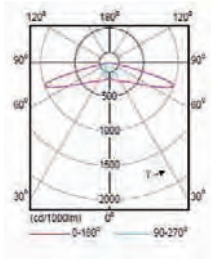
Module	Power (w)	Weight (kg)	MiniCell	Order Code
Narrow Street Optic (NSO)	22	4.41	No	96138200
Narrow Street Optic (NSO)	22	4.51	Yes	96135100
Narrow Street Optic (NSO)	31	4.41	No	96137500
Narrow Street Optic (NSO)	31	4.51	Yes	96134400
Medium Street Optic (MSO)	31	4.41	No	96139900
Medium Street Optic (MSO)	31	4.51	Yes	96136800

## Polar Intensity Diagram (For further Photometric data please contact our technical department)

Mini Iridium  
BGS451 Narrow Beam  
Lamp: 16 x LED  
Total LED Lumens: 1040 lm

Mini Iridium  
BGS451 Narrow Beam  
Lamp: 24 x LED  
Total LED Lumens: 1560 lm

Mini Iridium  
BGS451 Medium Beam  
Lamp: 24 x LED  
Total LED Lumens: 1560 lm





# TunLite LED

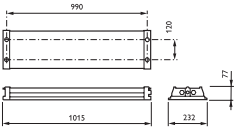
- \_Offers customised light distribution for tunnel lighting installation
- \_Higher road luminance with the same illuminance
- \_Increased S/H (Spacing/Height) compared to TL lamps









# TunLite LED

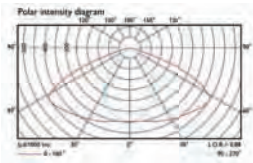
## Standard features



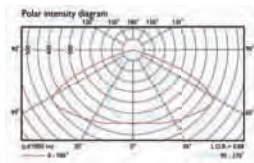
<b>Type</b>	<b>BCP560</b>
<b>Light colour</b>	Neutral White 4000 K
<b>Light Source</b>	Integral LEDGINE module
<b>Driver</b>	Integrated 220-240V / 50-60Hz
<b>Optic</b>	Distribution Symmetrical Narrow
<b>Controls</b>	Static or Dynamic; 1-10V
<b>Materials and finishing</b>	Aluminium body + glass cover
<b>Operating temp.</b>	-20°C to +40°C
<b>Lifetime</b>	60,000 hours
<b>Main applications</b>	Tunnel lighting
<b>Classification code</b>	   

## Polar Intensity Diagram (For further Photometric data please contact our technical department)

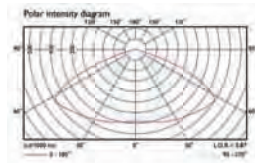
**BCP560 1xECO71-1S/740 DSN**  
Lampflux: 1 x 7106 lm



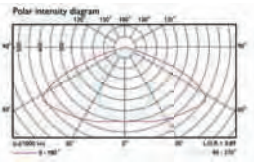
**BCP560 1xECO83-1S/740 DSN**  
Lampflux: 1 x 8291 lm




**BCP560 1xECO95-1S/740 DSN**  
Lampflux: 1 x 9475 lm




**BCP560 1xPRO58-1S/740 DSN**  
Lampflux: 1 x 5846 lm



## Product Selection

<b>TunLite LED BCP560</b>	<b>Number of LED's</b>	<b>Light Colour</b>	<b>Power (W)</b>	<b>Weight KG</b>	<b>Optic</b>	<b>Dimming</b>	<b>Lumen Output</b>	<b>Order code</b>
<b>Performance Line</b> 	48	○ Neutral White (4000 K)	66	9.5	Symmetrical Narrow	No	5846	84386200
	56	○ Neutral White (4000 K)	75	9.5	Symmetrical Narrow	No	6821	84387900
	64	○ Neutral White (4000 K)	85	9.5	Symmetrical Narrow	No	7795	84388600
	48	○ Neutral White (4000 K)	66	9.5	Symmetrical Narrow	I-10V	5846	84398500
	56	○ Neutral White (4000 K)	75	9.5	Symmetrical Narrow	I-10V	6821	84399200
	64	○ Neutral White (4000 K)	85	9.5	Symmetrical Narrow	I-10V	7795	84400500

<b>TunLite LED BCP560</b>	<b>Number of LED's</b>	<b>Light Colour</b>	<b>Power (W)</b>	<b>Weight KG</b>	<b>Optic</b>	<b>Dimming</b>	<b>Lumen Output</b>	<b>Order code</b>
<b>Economy Line</b> 	48	○ Neutral White (4000 K)	86	9.5	Symmetrical Narrow	No	7106	84760000
	56	○ Neutral White (4000 K)	99	9.5	Symmetrical Narrow	No	8291	84761700
	64	○ Neutral White (4000 K)	113	9.5	Symmetrical Narrow	No	9475	84762400

# Residium Fortimo

- \_LED retrofit solution for road lighting
- \_Module fits into existing residium housing
- \_Lower energy consumption compared to conventional street lighting
- \_Soft warm lighting

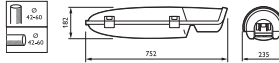






## Residium Fortimo

### Standard features



### Type

#### Light source

#### Driver

#### Optic

#### Optical cover

#### Cable gland

#### Options

### Materials and finishes

### Colour

### Installation

### Operating temperature

### Recommended mounting height

### Standard tilt angle

### post top

### Adjustable tilt angle

### Maintenance

### Main applications

### Classification code

### BGS224

Fortimo LLM 1100, 20W; Fortimo LLM 1800, 30W  
200-700mA weith constant Light Output function (CLO)

Residential street optic

Polycarbonate bowl

PG 13.5 mm

Light regulation: Philips Fortimo Lumistep 8h-66%  
light output. On request: LS6, LS10

Housing: Plastic

Gasket: silicone rubber; heat resistant

Reflectors: anodised aluminium

Philips Grey (RAL 7035)

Side entry: 42-60mm

Post top: 60mm or 76mm

Options: NEMA socket

-20°C < Ta < 35°C

4-6m

5° or 15° standard

None

From below by opening the housing

Residential streets, parking lots, minor roads



Class I

## Product Selection

Residium Fortimo	Module	Light Colour	Weight(Kg)	NEMA socket	Order Code
	14W	○ Neutral White	3.50	No	29700300
	14W	○ Neutral White	3.55	Yes	29963200
	14W	● Warm White	3.50	No	29708900
	14W	● Warm White	3.55	Yes	29964900
	24W	● Warm White	3.50	No	29702700
	24W	● Warm White	3.55	Yes	29710200
	24W	● Warm White	3.50	No	29704100
	24W	● Warm White	3.55	Yes	29968700
	21W	○ Cool White	3.50	No	29965600
	21W	○ Cool White	3.55	Yes	29967000
	21W	○ Cool White	3.55	Yes	29706500
	21W	○ Cool White	3.50	No	29966300

# Residium Aluminium

- \_LED retrofit solution for road lighting
- \_Module fits into existing residium housing
- \_Lower energy consumption compared to conventional street lighting



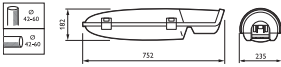






## Residium Aluminium

### Standard features



### Type

### BGS425 (Fortimo)

### Light colour

Warm White 3000 K, Neutral White 4000 K

### Power consumption

Fortimo LLM 1100: 12-14W, 1800: 21-23W, 3000: 33-34W, 4500: 50-53W

### Light Source

Fortimo LLM 1100, 1800, 3000 and 4500lm

### Driver

200-700mA with Constant Light Output function (CLO)

### Optic

Residential Street Optic

### Optical Cover

Polycarbonate Bowl

### Colour

Phillips Grey (RAL 7035)

### Materials and finishing

Housing: Aluminium

Gasket: Silicone rubber; heat resistant

Reflectors: anodised aluminium

### Installation

Integrated flex-fit spigot adaptor for 34-60mm side entry brackets or 60-76mm post top mounting adaptor

### Standard Tilt Angle

5° or 15° standard

### Accessories

NEMA, Minicell


### Main applications

Residential streets, parking lots, minor roads

### Classification code



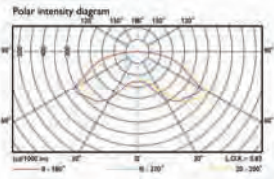
## Product Selection

Residium Aluminium BGS425	Lumen Package (lm)	Light Colour	Power	Weight KG	NEMA Socket/ Minicell	Order code
	1100	○ Neutral White (4000 K)	12W	8.35	No	87590000
	1100	○ Neutral White (4000 K)	12W	8.35	NEMA	87591700
	1100	○ Neutral White (4000 K)	12W	8.35	Minicell	87592400
	1100	● Warm White (3000 K)	14W	8.35	No	87593100
	1100	● Warm White (3000 K)	14W	8.35	NEMA	87594800
	1100	● Warm White (3000 K)	14W	8.35	Minicell	87595500
	1800	○ Neutral White (4000 K)	21W	8.35	No	87596200
	1800	○ Neutral White (4000 K)	21W	8.35	NEMA	87597900
	1800	○ Neutral White (4000 K)	21W	8.35	Minicell	87598600
	1800	● Warm White (3000 K)	23W	8.35	No	87599300
	1800	● Warm White (3000 K)	23W	8.35	NEMA	87600600
	1800	● Warm White (3000 K)	23W	8.35	Minicell	87601300
	3000	○ Neutral White (4000 K)	33W	8.35	No	87785000
	3000	○ Neutral White (4000 K)	33W	8.35	NEMA	87786700
	3000	○ Neutral White (4000 K)	33W	8.35	Minicell	87787400
	3000	● Warm White (3000 K)	34W	8.35	No	87788100
	3000	● Warm White (3000 K)	34W	8.35	NEMA	87789800
	3000	● Warm White (3000 K)	34W	8.35	Minicell	87790400
	4500	○ Neutral White (4000 K)	50W	8.35	No	87791100
	4500	○ Neutral White (4000 K)	50W	8.35	NEMA	87792800
4500	○ Neutral White (4000 K)	50W	8.35	Minicell	87793500	
4500	● Warm White (3000 K)	53W	8.35	No	87794200	
4500	● Warm White (3000 K)	53W	8.35	NEMA	87795900	
4500	● Warm White (3000 K)	53W	8.35	Minicell	87796600	

## Polar Intensity Diagram (For further Photometric data please contact our technical department)

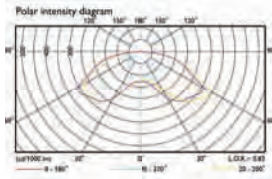
### Residium LED BGS224

1xLLM1100/730  
Lampflux : 1 x 1320 lm



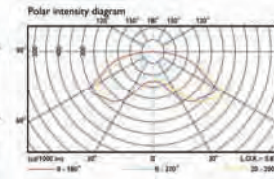
### Residium LED BGS224

1xLLM1100/740  
Lampflux : 1 x 1320 lm



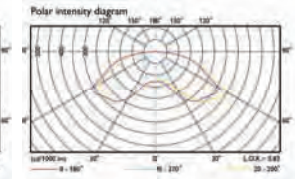
### Residium LED BGS224

1xLLM1800/730  
Lampflux : 1 x 2160 lm



### Residium LED BGS224

1xLLM1800/740  
Lampflux : 1 x 2160 lm








# City Spirit LED

- \_ Street lighting designed to provide environmentally friendly lighting without compromising architectural appearance
- \_ The range provides an elegant and complete project solution
- \_ Addresses topics such as spacing, night preservation, comfort and light performance





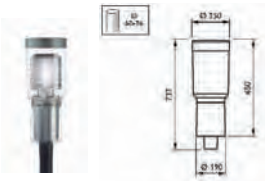
## City Spirit LED

<b>Standard features</b>	<b>Light source</b>	22 x SMD LED-HP
	<b>Light colour</b>	Warm white 3,000 K (WW) Neutral white 4,000 K (NW)
	<b>Lighting distribution</b>	White: direct 80% / indirect 20%
	<b>Power consumption</b>	System 30 W (typical)
	<b>Power supply</b>	220-240 V / 50-60 Hz z
	<b>Optic</b>	Optical element Top reflector; indirect (T-IO) Top reflector; indirect asymmetrical (TA-IO) Top reflector; indirect bi-directional (TB-IO LED) Top reflector; indirect symmetrical (TS-IO) Optical cover Transparent bowl/cover (TB)
	<b>Lifetime</b>	50,000 hours (70% lumen maintenance)
	<b>Housing</b>	Ultra dark grey, approx RAL7043 (GR) Other RAL colours available on request
	<b>Installation</b>	Post top mounting: axial entry Ø 60mm (60P) or 76mm (76P) Recommended mounting height: 3.5 to 5m
	<b>Materials and finishing</b>	Housing: high pressure, die-cast aluminium, non-corrosive Pole mount: die-cast aluminium Bowl and skirt: polycarbonate, translucent UV stabilised Top cover: ABS with heat shield Reflectors: anodised aluminium, brightened 99.99%
	<b>Main applications</b>	Urban, residential and pedestrian areas, promenades
	<b>Operating temperature</b>	-20°C < Ta < 35°C
	<b>Remarks</b>	CRI 80 Constant Light Output
<b>Classification code</b>	    	

## Product Selection

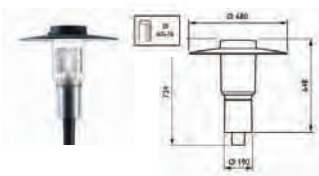
### CitySpirit Torch BDS450

Light colour	Housing colour	LEDs	Weight (kg)	Order Code
○ Warm white	Dark grey	22	7.00	87516000



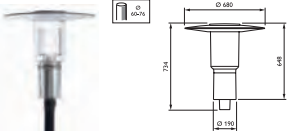
### CitySpirit Classic lantern BDS460

Light colour	Housing colour	LEDs	Weight (kg)	Order Code
○ Warm white	Dark grey	22	8.11	87514600



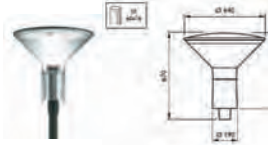


### CitySpirit Modern Lantern BDS462



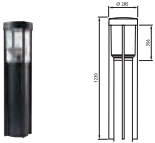
Light colour	Housing colour	LEDs	Weight (kg)	Order Code
○ Warm white	Dark grey	22	8.11	87512200

### CitySpirit Cone BDS470



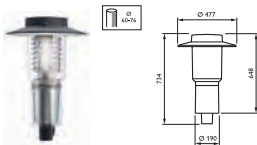
Light colour	Housing colour	LEDs	Weight (kg)	Order Code
○ Warm white	Dark grey	22	10.05	87510800

### CitySpirit Bollard BGP450



Light colour	Housing colour	LEDs	Weight (kg)	Order Code
○ Warm white	Dark grey	22	25	29560300

### CitySpirit Wall Mounted BWS464



Light colour	Housing colour	LEDs	Weight (kg)	Order Code
○ Warm white	Dark grey	22	6.85	87518400

## System Components

### Accessories

### Product

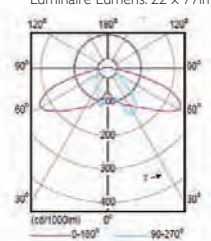
Light trespass accessory

### Order Code

72706600

## Polar Intensity Diagram (For further Photometric data please contact our technical department)

CitySpirit Cone  
BDS470  
Lamps: 22 x LED  
Luminaire Lumens: 22 x 77lm



☎ For further information call 01483 293 258

# CitySpirit Street LED

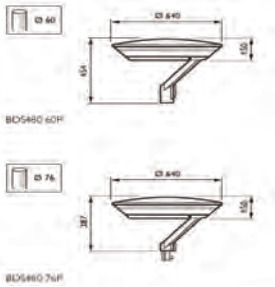
- \_ Urban or architectural street lighting lantern
- \_ Blends clean, simple design and high importance
- \_ Available in 3000K, 4000K or 5000K white light colour temperatures
- \_ Multi-layer optics provide uniform distribution and reduces glare
- \_ Direct replacement to HID solutions without compromising space, mounting height or light quality





## City Spirit Street LED

### Standard features



### Type

### BDS480

### Light source

LEDGINE ComfortLine, GreenLine and EconomyLine

### Number of LED's

16 - 64 LED's

### Light colour

Warm white, 3000 K ; Neutral white, 4000 K ; Cool white, 5600 K

### Inrush current

105 A / 250  $\mu$ s

### Optic

Dedicated LED optic for road lighting; giving a smooth and uniform light distribution:

Medium (DM)

Wide (DW)

Extra wide (DX)

Comfort (DC)

Glass

### Optical cover

### Material

Frame, housing and spigot: die-cast aluminium

Clips, screws, clamps: stainless steel

Internal optic: PMMA

Internal heat sink: high pressure, die-cast aluminium, non-corrosive

### Colour

Philips ultra dark grey

Other RAL or AKZO Futura colours available on request

### Lifetime

60,000 hours (86% lumen maintenance at  $T_a = 25^\circ\text{C}$ )

### Classification code



## Product Selection

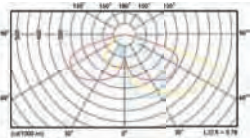
### CitySpirit Street LEDGINE - BDS480



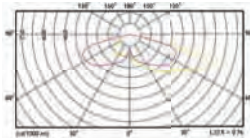
Light colour	Housing colour	Number of LEDs	Optic	Weight (kg)	Power (w)	Order Code
● Cool White (4000K)	Dark Grey	32	Medium	13.21	40	87757700
● Cool White (4000K)	Dark Grey	32	Wide	13.21	40	87758400
● Cool White (4000K)	Dark Grey	48	Medium	13.21	60	87755300
● Cool White (4000K)	Dark Grey	48	Wide	13.21	60	87756000
● Cool White (4000K)	Dark Grey	64	Medium	13.21	80	87753900
● Cool White (4000K)	Dark Grey	64	Wide	13.21	80	87754600

### Polar Intensity Diagram (For further Photometric data please contact our technical department)

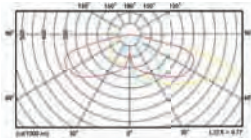
**CitySpirit LED BDS480**  
**32xGRN-1S/740. DC**  
**Lampflux:** 32 x 105 lm



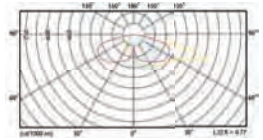
**CitySpirit LED BDS480**  
**32xGRN-1S/740. DM**  
**Lampflux:** 32 x 105 lm



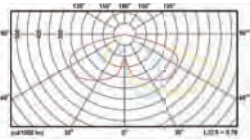
**CitySpirit LED BDS480**  
**32xGRN-1S/740. DW**  
**Lampflux:** 32 x 105 lm



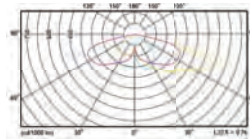
**CitySpirit LED BDS480**  
**32xGRN-1S/740. DX**  
**Lampflux:** 32 x 105 lm



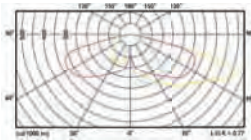
**CitySpirit LED BDS480**  
**64xGRN-1S/740. DC**  
**Lampflux :** 64 x 105 lm



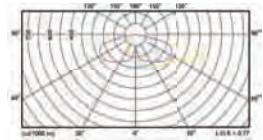
**CitySpirit LED BDS480**  
**64xGRN-1S/740. DM**  
**Lampflux:** 64 x 105 lm



**CitySpirit LED BDS480**  
**64xGRN-1S/740. DW**  
**Lampflux:** 64 x 105 lm



**CitySpirit LED BDS480**  
**64xGRN-1S/740. DX**  
**Lampflux:** 64 x 105 lm





# UrbanScene LED

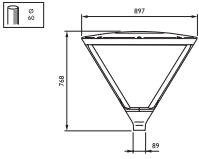
- \_ Complete lighting solution comprising 5 highly distinctive luminaires
- \_ Flexible, coherent design and outstanding optical performance
- \_ Main applications: street lighting, area lighting, illumination and image projection





## UrbanScene LED

### Standard features



### Type

**BDP704**

### Light source

40 x LED-HB

### Light colour

Mono colour: warm white (WW), neutral white (NW)

### Power consumption

220-240 V / 50-60 Hz

### Power supply

95 W

### Materials and finishes

Housing: high-pressure, die-cast aluminium  
Cover: polycarbonate

### Housing colour

Philips Dark Grey Finish

### Installation

Post-top mounting: axial entry  $\varnothing$  60mm (60P) 76mm available on request

Operating temperature:  $-20^{\circ}\text{C} < T_a < 35^{\circ}\text{C}$

Recommended mounting height: 4 to 6 m

Max SCx value by side: 0,136 m<sup>2</sup>

### Maintenance

Access to drive by unscrewing the round driver cover at the top of the reflector disc

### Main applications

City centres, piazzas, urban areas, shopping malls

### Remarks

Read-to-install versions available; with lamp and choice of 4.5 or 6m cable

### Classification code



## Product Selection

### UrbanScene LED BDP704



### Light Colour

- Neutral White
- Neutral White
- Warm White
- Warm White

### Housing colour

Dark Grey  
Dark Grey  
Dark Grey  
Dark Grey

### Spigot (mm)

60  
60  
60  
60

### MiniCell

No  
Yes  
No  
Yes

### Order Code

96240200  
96241900  
96242600  
96243300

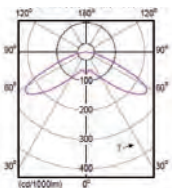
## Polar Intensity Diagram (For further Photometric data please contact our technical department)

### UrbanScene BDP704

Beam angle: 25°

Luminaire lumens: 1111 lm

Lamp: 40 x LED



For further information call 01483 293 258

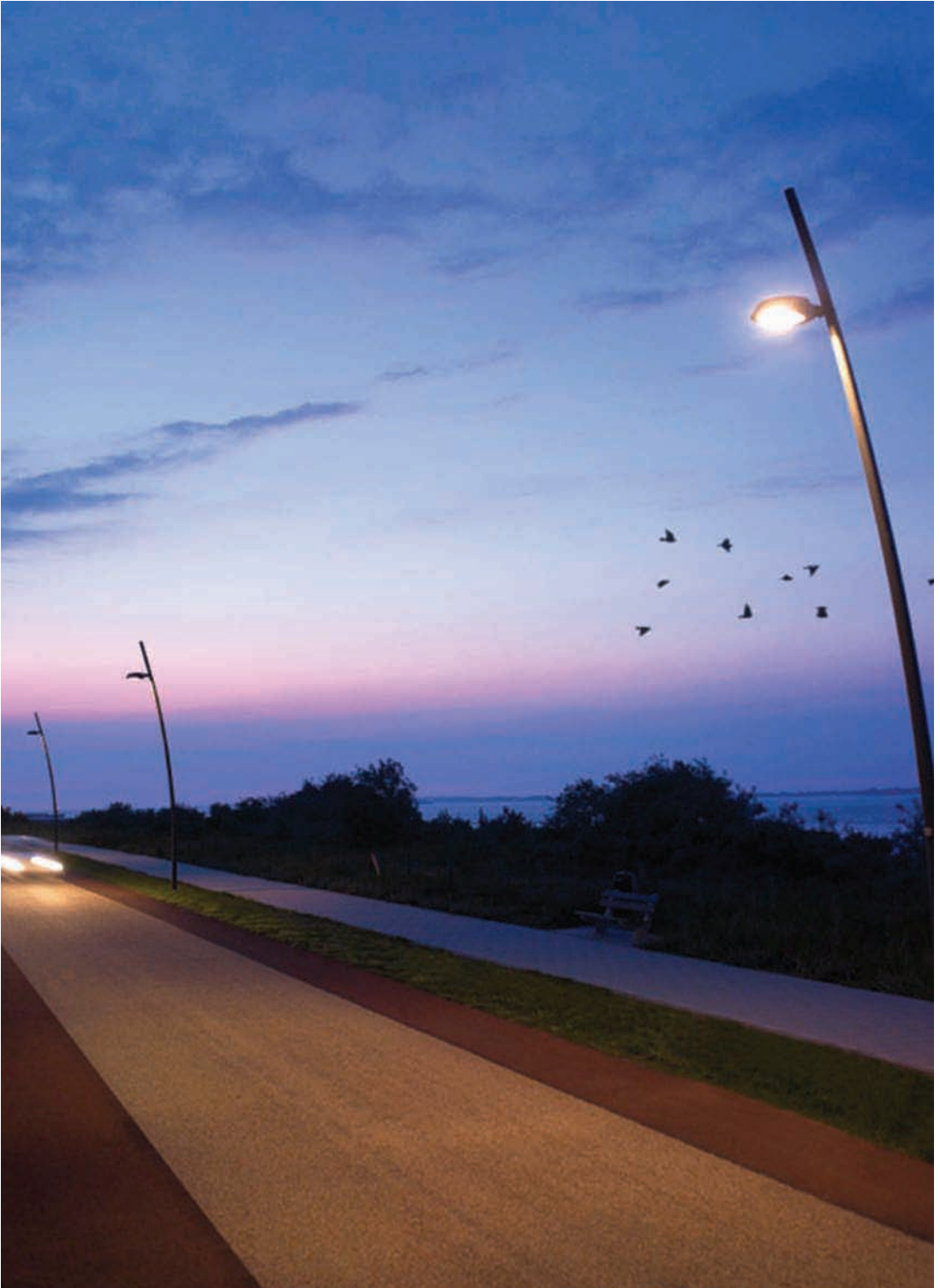


# CitySoul LEDGINE

- \_Urban or architectural street lighting lantern
- \_Classic design with modular capabilities
- \_Available in 3000k, 4000k or 5600k white light colour temperature
- \_Dedicated masts and brackets
- \_Two sizes available
- \_Multi-layer optics provide uniform distribution and reduced glare
- \_Straightforward, easy maintenance

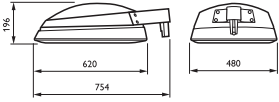






## CitySoul LEDGINE

### Standard features



### Type

**BGP430**  
**BGP43 I**  
**BSP43 I**

### Light source

LEDGINE GreenLine, ComfortLine and EconomyLine

### Number of LED's

BGP430: 16 - 64 LED's  
BGP43 I and BSP43 I: 16 - 112 LED's

### Light colour

Warm white, 3000 K  
Neutral white, 4000 K  
Cool white, 5600 K

### Power consumption

70 x LED version: 88 W  
84 x LED version: 106 W

### Driver (integrated)

220-240 V / 50-60 Hz

### Optic

Dedicated for road lighting; giving a smooth and uniform light distribution:

Medium (DM)  
Wide (DW)  
Extra wide (DX)  
Comfort (DC)

### Optical cover

Flat Glass

### Material

Housing: die-cast aluminium  
Spigots and top entry: aluminium  
Frame: aluminium  
Optic: PMMA  
Other inner components: glass reinforced polypropylene  
Internal heat sink: high-pressure, die-cast aluminium, non-corrosive

### Colour

Frame: Silver grey  
Other RAL or AKZO Futura colours available on request

### Lifetime

60,000 hours (86% lumen maintenance at  $T_a = 25^\circ\text{C}$ )

## Product Selection

### CitySoul Mini LEDGINE - BGP430



Light Colour	Housing	No. of LEDs	Optic	Mounting	Weight (kg)	Power (W)	Order code
● Cool White (4000K)	Ultra Dark Grey	32	Medium	60mm / 76mm post top	11.02	40	83180700
● Cool White (4000K)	Ultra Dark Grey	32	Wide	60mm / 76mm post top	11.02	40	83181400
● Cool White (4000K)	Ultra Dark Grey	48	Medium	60mm / 76mm post top	11.43	60	83178400
● Cool White (4000K)	Ultra Dark Grey	48	Wide	60mm / 76mm post top	11.43	60	83179100
● Cool White (4000K)	Ultra Dark Grey	64	Medium	60mm / 76mm post top	11.53	80	83176000
● Cool White (4000K)	Ultra Dark Grey	64	Wide	60mm / 76mm post top	11.53	80	83177700

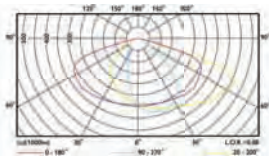
### CitySoul LEDGINE - BGP431



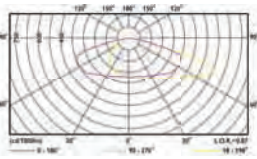
● Cool White (4000K)	Ultra Dark Grey	80	Medium	60mm / 76mm post top	15.70	100	87493400
● Cool White (4000K)	Ultra Dark Grey	80	Wide	60mm / 76mm post top	15.70	100	87494100
● Cool White (4000K)	Ultra Dark Grey	96	Medium	60mm / 76mm post top	15.80	120	87491000
● Cool White (4000K)	Ultra Dark Grey	96	Wide	60mm / 76mm post top	15.80	120	87492700
● Cool White (4000K)	Ultra Dark Grey	112	Medium	60mm / 76mm post top	15.85	140	87489700
● Cool White (4000K)	Ultra Dark Grey	112	Wide	60mm / 76mm post top	15.85	140	87490300

### BRS430 Polar Intensity Diagram (For further Photometric data please contact our technical department)

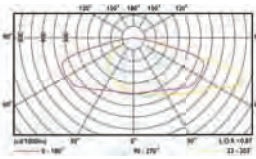
**CitySoul LED BGP430  
48xGRN. DC  
Lampflux : 48 x 105 lm**



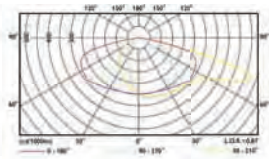
**CitySoul LED BGP430  
48xGRN. DM  
Lampflux : 48 x 105 lm**



**CitySoul LED BGP430  
48xGRN. DW  
Lampflux : 48 x 105 lm**

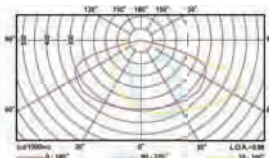


**CitySoul LED BGP430  
48xGRN. DX  
Lampflux : 48 x 105 lm**

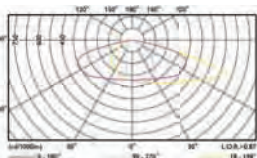


### BRS431 Polar Intensity Diagram (For further Photometric data please contact our technical department)

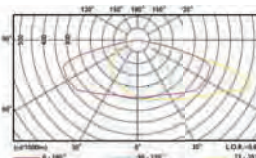
**CitySoul LED BGP431  
112xGRN. DC  
Lampflux : 112 x 105 lm**



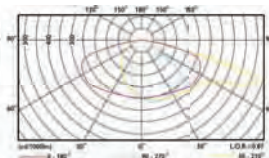
**CitySoul LED BGP431  
112xGRN. DM  
Lampflux : 112 x 105 lm**



**CitySoul LED BGP431  
112xGRN. DW  
Lampflux : 112 x 105 lm**



**CitySoul LED BGP431  
112xGRN. DX  
Lampflux : 112 x 105 lm**

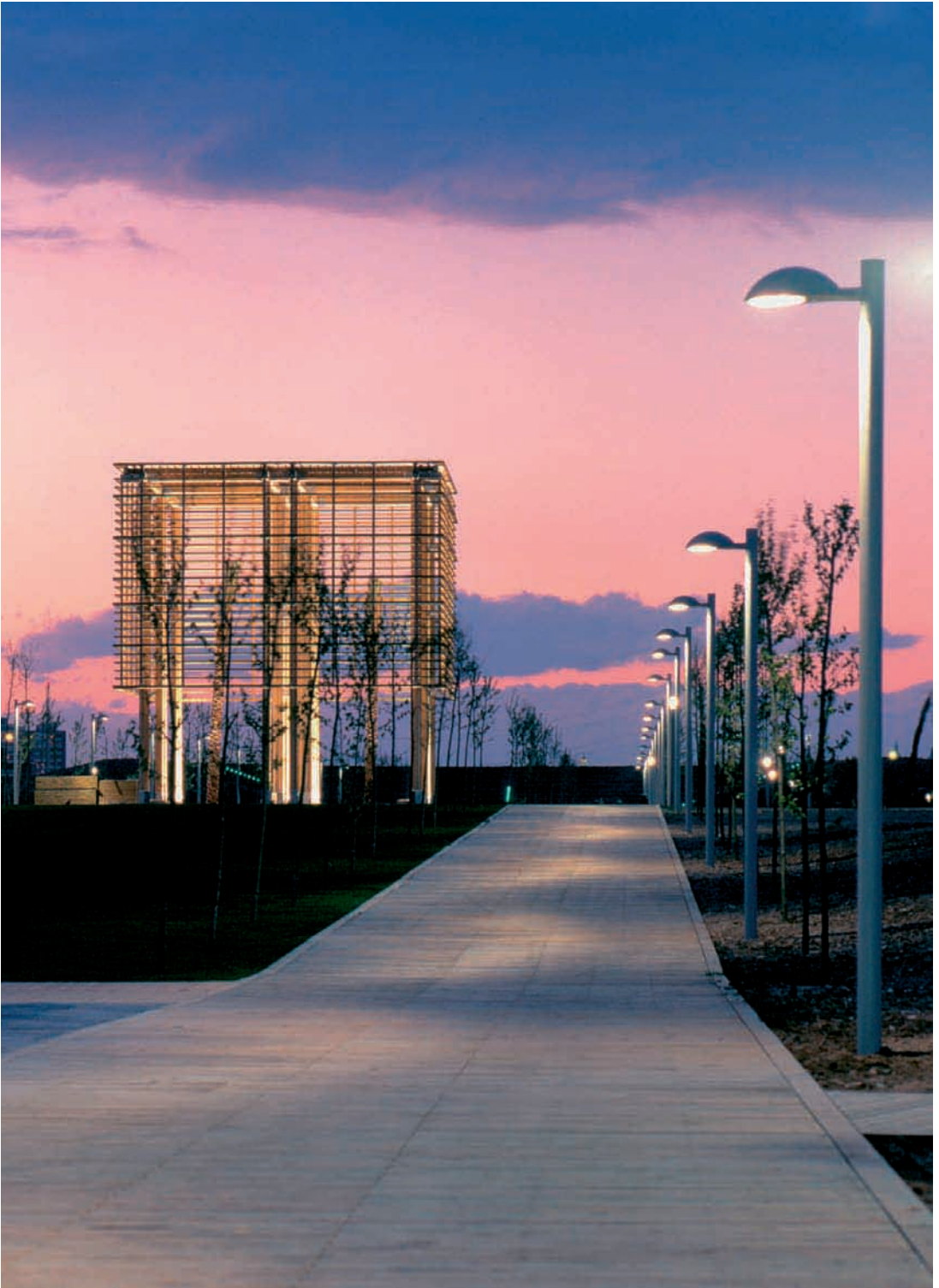


☎ For further information call 01483 293 258

# MileWide LEDGINE

- \_Outdoor street lighting solution
- \_Blends clean, simple design and high importance
- \_Knud Holscher design form plus dedicated masts and brackets integrated
- \_Available in 3000K, 4000K, or 5600K white light colour temperatures
- \_Dedicated LED optic for road lighting; giving a smooth and uniform light distribution
- \_Suitable for major traffic roads to city centres
- \_Long lifetime – 60,000hrs
- \_Multi-layer optics provide uniform distribution and reduces glare
- \_Direct replacement to HID solutions without compromising space, mounting height or light quality.

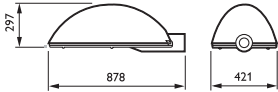
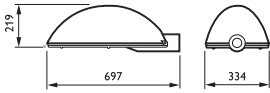






## MileWide LEDGINE

### Standard features



### Type

**BRS421 (MileWide LEDGINE)**  
**BRS427 (Mega MileWide LEDGINE)**

### Light source

LEDGINE GreenLine, ComfortLine and EconomyLine

### Number of LED's

BRS421 : 16 - 64 LED's  
 BRS427 : 16 - 112 LED's

### Light colour

Warm white, 3000 K  
 Neutral white, 4000 K  
 Cool white, 5600 K

### Driver (integrated)

220-240 V / 50-60 Hz

### Optic

Dedicated LED optic for road lighting; giving a smooth and uniform light distribution:  
 Medium (DM)  
 Wide (DW)  
 Extra wide (DX)  
 Comfort (DC)

### Optical cover

Glass, flat

### Material

Frame and housing: die-cast aluminium Clips, screws, clamps: stainless steel Internal optic: PMMA Internal heat sink: high pressure, die-cast aluminium, non-corrosive

### Colour

Silver grey  
 Philips ultra dark grey  
 Other RAL or AKZO Futura colours available on request

### Lifetime

60,000 hours (86% lumen maintenance at  $T_a = 25^\circ\text{C}$ )

### Classification codes



## Product Selection

### MileWide LEDGINE - BRS421



Light Colour	Housing	No. of LEDs	Optic	Weight (kg)	Power (W)	Order code
● Cool White (4000K)	Light Grey	32	Medium	8.30	40	87713300
● Cool White (4000K)	Light Grey	32	Wide	8.30	40	87714000
● Cool White (4000K)	Light Grey	48	Medium	8.30	60	87711900
● Cool White (4000K)	Light Grey	48	Wide	8.30	60	87712600
● Cool White (4000K)	Light Grey	64	Medium	8.30	80	87709600
● Cool White (4000K)	Light Grey	64	Wide	8.30	80	87710200

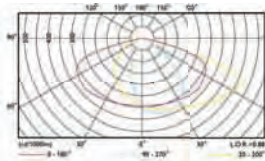
### Mega MileWide LEDGINE - BRS427



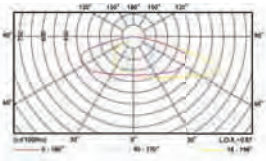
● Cool White (4000K)	Light Grey	80	Medium	22.00	100	87732400
● Cool White (4000K)	Light Grey	80	Wide	22.00	100	87733100
● Cool White (4000K)	Light Grey	96	Medium	22.00	120	87730000
● Cool White (4000K)	Light Grey	96	Wide	22.00	120	87731700

### BRS421 Polar Intensity Diagram (For further Photometric data please contact our technical department)

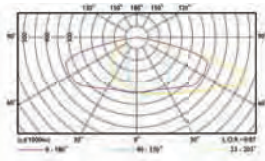
**Milewide LED BRS421  
48xGRN. DC**  
Lampflux : 48 x 105 lm



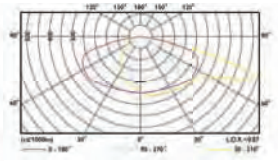
**Milewide LED BRS421  
48xGRN. DM**  
Lampflux : 48 x 105 lm



**Milewide LED BRS421  
48xGRN. DW**  
Lampflux : 48 x 105 lm

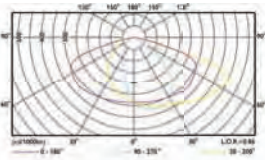


**Milewide LED BRS421  
48xGRN. DX**  
Lampflux : 48 x 105 lm

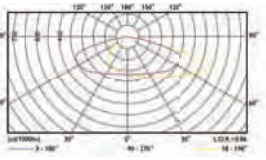


### BRS427 Polar Intensity Diagram (For further Photometric data please contact our technical department)

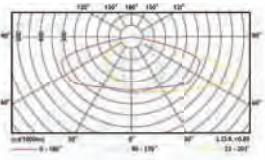
**Milewide LED BRS427  
96xGRN. DC**  
Lampflux : 96 x 105 lm



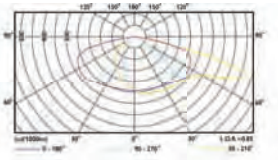
**Milewide LED BRS427  
96xGRN. DM**  
Lampflux : 96 x 105 lm



**Milewide LED BRS427  
96xGRN. DW**  
Lampflux : 96 x 105 lm



**Milewide LED BRS427  
96xGRN. DX**  
Lampflux : 96 x 105 lm



☎ For further information call 01483 293 258

# Koffer<sup>2</sup> LED

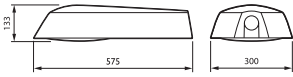
- \_Urban or architectural street lighting lantern
- \_Stylish with minimalist design
- \_Choice of 3,000K & 4000K colour temperatures
- \_Housing in high pressure die cast aluminium coating
- \_Energy efficiency and very low maintenance
- \_Easy to upgrade LED modules





## Koffer<sup>2</sup> LED

### Standard features



### Type

**BGP070**

### Light source

Fortimo LLM

### Lumen package

1100, 1800, 3000, 4500 Lm

### Light colour

Warm white, 3000 K  
Neutral white, 4000 K

### Optic

Road lighting reflector

### Optical cover

Flat glass or bowl

### Material

Housing: high pressure die-cast aluminium, coated  
Gasket: silicone rubber; heat resistant  
Reflectors: anodised aluminium  
Glass thermally hardened, 133 x 300 x 575 mm

### Colour

RAL 9006 (SI)  
Other RAL colours available on request

### Lifetime

Min 60,000 hours (83% lumen maintenance at Ta = 25°C)

### Classification codes





## Product Selection

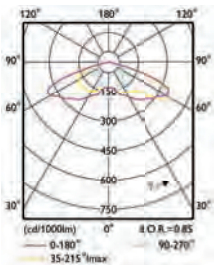
### Koffer<sup>2</sup> LED



Module	Lighting Colour	Housing Colour	NEMA socket	Weight (kg)	Order code
1800 lumen	● Warm White (3000K)	Silver	No	8.24	24597000
1800 lumen	● Warm White (3000K)	Silver	Yes	8.24	24598700
1800 lumen	● Cool White (4000K)	Silver	No	8.24	24595600
1800 lumen	● Cool White (4000K)	Silver	Yes	8.24	24596300
3000 lumen	● Warm White (3000K)	Silver	No	8.24	25123000
3000 lumen	● Warm White (3000K)	Silver	Yes	8.24	25125400
3000 lumen	● Cool White (4000K)	Silver	No	8.24	25120900
3000 lumen	● Cool White (4000K)	Silver	Yes	8.24	25122300

## Polar Intensity Diagram (For further Photometric data please contact our technical department)

**Luminaire : BGP070**  
**Lampflux : 1 x 1800 lm 3000K**



☎ For further information call 01483 293 258

# Mini300 LED

- \_Outdoor recessed lighting solution suitable under canopy lighting solutions, ie. Petrol stations
- \_Motion-sensing lighting for maximum energy saving
- \_Full dimming capabilities when full lighting power is not needed
- \_Available with symmetrical or asymmetrical optics
- \_Choice of 3 different beam angles – 32°, 42° or 55° degree
- \_Also available in surface and pole mounted versions





## Mini300 LED

### Standard features



### Type

#### Light source

### BBP300 (recessed version)

High Power  
112 x LED-HB  
84 x LED-HB  
Low Power:  
88 x LED-HB  
66 x LED-HB

#### Light colour

Cool white, 5500 K

#### Power consumption

High Power: 145 or 109 W, dimmable with integral motion detection sensor  
Low Power: 88 or 66 W, dimmable with integral motion detection sensor

#### Driver

110 - 277 V / 50 - 60 Hz, integrated

#### Optic

Symmetrical 32, 42 or 55°  
Asymmetrical 32, 42 or 55°  
Combination of collimator and reflector

#### Optical cover

Glass, flat

#### Options

Class II

#### Material

Heat sink: aluminium extrusion, without paint  
Lens: clear acrylic  
Glass: thermally hardened, 4 mm thick  
Gasket: silicon rubber; heat-resistant  
Mounting frame: galvanised steel

#### Colour

Mounting frame, white (RAL 9003)

#### Classification codes



## Product Selection

### BBP300 - Mini 300 recessed version (Housing colour - white)

Light Source	Number of LEDs	Optic	Beam Angle	Control	Weight (kg)	Power (w)	Order Code
High Power LED	112	Symmetrical	32	Static (non dimming)	15.40	137	63104300
High Power LED	112	Symmetrical	32	Integral Motion Detector (dimming)	15.50	137	63103600
High Power LED	112	Symmetrical	42	Static (non dimming)	15.40	137	63116600
High Power LED	112	Symmetrical	42	Integral Motion Detector (dimming)	15.50	137	63115900
High Power LED	112	Symmetrical	55	Static (non dimming)	15.40	137	63128900
High Power LED	112	Symmetrical	55	Integral Motion Detector (dimming)	15.50	137	63127200
High Power LED	112	Asymmetrical	32	Static (non dimming)	15.40	137	63106700
High Power LED	112	Asymmetrical	32	Integral Motion Detector (dimming)	15.50	137	63105000
High Power LED	112	Asymmetrical	42	Static (non dimming)	15.40	137	63118000
High Power LED	112	Asymmetrical	42	Integral Motion Detector (dimming)	15.50	137	63117300
High Power LED	112	Asymmetrical	55	Static (non dimming)	15.40	137	63130200
High Power LED	112	Asymmetrical	55	Integral Motion Detector (dimming)	15.50	137	63129600
High Power LED	84	Asymmetrical	32	Static (non dimming)	15.40	107	63108100
High Power LED	84	Asymmetrical	32	Integral Motion Detector (dimming)	15.50	107	63107400
High Power LED	84	Asymmetrical	42	Static (non dimming)	15.40	107	63120300
High Power LED	84	Asymmetrical	42	Integral Motion Detector (dimming)	15.50	107	63119700
High Power LED	84	Asymmetrical	55	Static (non dimming)	15.40	107	63132600
High Power LED	84	Asymmetrical	55	Integral Motion Detector (dimming)	15.50	107	63131900
Low Power LED	96	Symmetrical	32	Static (non dimming)	15.40	122	63579900
Low Power LED	96	Symmetrical	32	Integral Motion Detector (dimming)	15.50	122	63578200
Low Power LED	96	Symmetrical	42	Static (non dimming)	15.40	122	63587400
Low Power LED	96	Symmetrical	42	Integral Motion Detector (dimming)	15.50	122	63586700
Low Power LED	96	Symmetrical	55	Static (non dimming)	15.40	122	63595900
Low Power LED	96	Symmetrical	55	Integral Motion Detector (dimming)	15.50	122	63594200
Low Power LED	72	Asymmetrical	32	Static (non dimming)	15.40	94	63581200
Low Power LED	72	Asymmetrical	32	Integral Motion Detector (dimming)	15.50	94	63580500
Low Power LED	72	Asymmetrical	42	Static (non dimming)	15.40	94	63589800
Low Power LED	72	Asymmetrical	42	Integral Motion Detector (dimming)	15.50	94	63588100
Low Power LED	72	Asymmetrical	55	Static (non dimming)	15.40	94	63597300
Low Power LED	72	Asymmetrical	55	Integral Motion Detector (dimming)	15.50	94	63596600

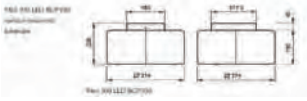


For further information call 01483 293 258



## Mini300 LED

### Standard features



### Type

### BCP300 (surface-mounted version)

### Light source

High Power  
112 x LED-HB  
84 x LED-HB  
Low Power:  
88 x LED-HB  
66 x LED-HB

### Light colour

Cool white, 5500 K

### Power consumption

High Power: 145 or 109 W, dimmable with integral motion detection sensor  
Low Power: 88 or 66 W, dimmable with integral motion detection sensor

### Driver

110 - 277 V / 50 - 60 Hz, integrated

### Optic

Symmetrical 32, 42 or 55°  
Asymmetrical 32, 42 or 55°  
Combination of collimator and reflector

### Optical cover

Glass, flat

### Options

Class II

### Material

Housing: aluminium die cast, white painted (RAL 9003)  
Lens: clear acrylic  
Glass: thermally hardened, 4 mm thick  
Gasket: silicon rubber; heat-resistant

### Colour

White (RAL 9003)

### Classification codes



## Product Selection

### BCP300 - Mini 300 surface mounted version (Housing colour - white)

Light Source	Number of LEDs	Optic	Beam Angle	Control	Weight (kg)	Power (w)	Order Code
High Power LED	112	Symmetrical	32	Static (non dimming)	18.30	137	63140100
High Power LED	112	Symmetrical	32	Integral Motion Detector (dimming)	18.40	137	63139500
High Power LED	112	Symmetrical	42	Static (non dimming)	18.30	137	63152400
High Power LED	112	Symmetrical	42	Integral Motion Detector (dimming)	18.40	137	63151700
High Power LED	112	Symmetrical	55	Static (non dimming)	18.30	137	63164700
High Power LED	112	Symmetrical	55	Integral Motion Detector (dimming)	18.40	137	63163000
High Power LED	112	Asymmetrical	32	Static (non dimming)	18.30	137	63142500
High Power LED	112	Asymmetrical	32	Integral Motion Detector (dimming)	18.40	137	63141800
High Power LED	112	Asymmetrical	42	Static (non dimming)	18.30	137	63154800
High Power LED	112	Asymmetrical	42	Integral Motion Detector (dimming)	18.40	137	63153100
High Power LED	112	Asymmetrical	55	Static (non dimming)	18.30	137	63166100
High Power LED	112	Asymmetrical	55	Integral Motion Detector (dimming)	18.40	137	63165400
High Power LED	84	Asymmetrical	32	Static (non dimming)	18.30	107	63144900
High Power LED	84	Asymmetrical	32	Integral Motion Detector (dimming)	18.40	107	63143200
High Power LED	84	Asymmetrical	42	Static (non dimming)	18.30	107	63156200
High Power LED	84	Asymmetrical	42	Integral Motion Detector (dimming)	18.40	107	63155500
High Power LED	84	Asymmetrical	55	Static (non dimming)	18.30	107	63168500
High Power LED	84	Asymmetrical	55	Integral Motion Detector (dimming)	18.40	107	63167800
Low Power LED	96	Symmetrical	32	Static (non dimming)	18.30	122	63603100
Low Power LED	96	Symmetrical	32	Integral Motion Detector (dimming)	18.40	122	63602400
Low Power LED	96	Symmetrical	42	Static (non dimming)	18.30	122	63611600
Low Power LED	96	Symmetrical	42	Integral Motion Detector (dimming)	18.40	122	63610900
Low Power LED	96	Symmetrical	55	Static (non dimming)	18.30	122	63619200
Low Power LED	96	Symmetrical	55	Integral Motion Detector (dimming)	18.40	122	63618500
Low Power LED	72	Asymmetrical	32	Static (non dimming)	18.30	94	63605500
Low Power LED	72	Asymmetrical	32	Integral Motion Detector (dimming)	18.40	94	63604800
Low Power LED	72	Asymmetrical	42	Static (non dimming)	18.30	94	63613000
Low Power LED	72	Asymmetrical	42	Integral Motion Detector (dimming)	18.40	94	63612300
Low Power LED	72	Asymmetrical	55	Static (non dimming)	18.30	94	63621500
Low Power LED	72	Asymmetrical	55	Integral Motion Detector (dimming)	18.40	94	63620800



For further information call 01483 293 258

## Mini300 LED

### Standard features



### Type

### BPP300 (pole-mounted version)

### Light source

High Power  
112 x LED-HB  
84 x LED-HB

### Light colour

Cool white, 5500 K

### Power consumption

High Power: 145 or 109 W, dimmable  
with integral motion detection sensor

### Driver

110 - 277 V / 50 - 60 Hz, integrated

### Optic

Asymmetrical 32, 42 or 55°  
Combination of collimator and reflector

### Optical cover

Glass, flat

### Options

Class II

### Material

Housing: aluminium die cast, white  
painted (RAL 9003)  
Lens: clear acrylic  
Glass: thermally hardened, 4 mm thick  
Gasket: silicon rubber, heat-resistant

### Colour

White (RAL 9003)

### Classification codes



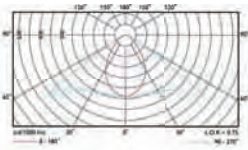
## Product Selection

### BPP300 - Mini 300 pole mounted version (Housing colour - white)

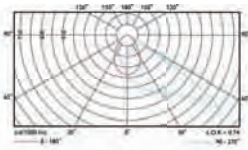
Light Source	Number of LEDs	Optic	Beam Angle	Control	Weight (kg)	Power (w)	Order Code
High Power LED	112	Asymmetrical	32	Static (non dimming)	21.10	137	63178400
High Power LED	112	Asymmetrical	32	Integral Motion Detector (dimming)	21.10	137	63177700
High Power LED	112	Asymmetrical	42	Static (non dimming)	21.10	137	63186900
High Power LED	112	Asymmetrical	42	Integral Motion Detector (dimming)	21.10	137	63185200
High Power LED	112	Asymmetrical	55	Static (non dimming)	21.10	137	63194400
High Power LED	112	Asymmetrical	55	Integral Motion Detector (dimming)	21.10	137	63193700
High Power LED	84	Asymmetrical	32	Static (non dimming)	21.10	107	63176000
High Power LED	84	Asymmetrical	32	Integral Motion Detector (dimming)	21.10	107	63175300
High Power LED	84	Asymmetrical	42	Static (non dimming)	21.10	107	63184500
High Power LED	84	Asymmetrical	42	Integral Motion Detector (dimming)	21.10	107	63183800
High Power LED	84	Asymmetrical	55	Static (non dimming)	21.10	107	63192000
High Power LED	84	Asymmetrical	55	Integral Motion Detector (dimming)	21.10	107	63191300

## Polar Intensity Diagram

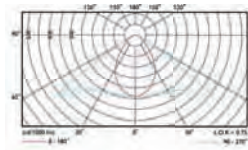
**Luminaire : Mini 300 LED**  
**BBP300 1x112-LED-**  
**REBEL-100-350/CW S55**  
**Lampflux : 1 x 12320 lm**



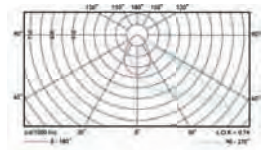
**Luminaire : Mini 300 LED**  
**BBP300 1x112-LED-**  
**REBEL-100-350/CW A55**  
**Lampflux : 1 x 12320 lm**



**Luminaire : Mini 300 LED**  
**BBP300 1x96-LED-**  
**REBEL-100-350/CW S55**  
**Lampflux : 1 x 10560 lm**



**Luminaire : Mini 300 LED**  
**BBP300 1x84-LED-**  
**REBEL-100-350/CW A55**  
**Lampflux : 1 x 9240 lm**



# Mini 300 Stealth LEDGINE

- \_A future proof area lighting solution, which offers significant energy saving without compromising lighting standards
- \_Best in class LEDGINE area optics for maximum flexibility
- \_Maximized energy saving vs. HID power equivalent solutions
- \_Integrated available controls enables additional energy savings

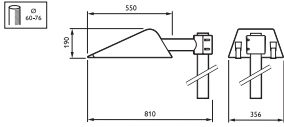






# Mini 300 Stealth LEDGINE

## Standard features



### Type

**BGP333 (Pole mounted Floodlight luminaire)**  
**BWP333 (Wall Mounted Floodlight luminaire)**  
**BVP333 (Floodlighting luminaire)**

### Light colour

GreenLine (GRN): 4000 K  
 EconomyLine (ECO): 5600 K

### Power consumption

GreenLine (GRN): 48, 57, 65, 74, 85, 96W  
 EconomyLine (ECO): 72, 86, 99, 113, 129, 146W

### Light Source

Integral LEDGINE module

### Driver

Integrated 220-240V / 50-60Hz

### Optic

Asymmetrical area (A) or symmetrical area (S)  
 Distribution Medium (DM), Distribution Wide (DW), Distribution Extremely wide (DX), Distribution Comfort (DC)

### Controls

I-10V

### Colours

Silver (SI), black (BK), white (WH) or grey (GR)  
 Other RAL colours available on request

### Materials and finishing

Housing and front frame: high pressure, die-cast aluminium.  
 Glass: thermally toughened, 3mm thick (held by the front frame)  
 Lens: Clear acrylic  
 Mounting Bracket: high pressure, die-cast aluminium (BGP333, BWP333)  
 Mounting Bracket: bended aluminium, 10mm thick (BVP333)  
 Clips: stainless steel

### Installation

Pole mounting: axial entry 60/76mm (BGP333)  
 Recommended mounting height: 4 - 8m  
 Ceiling, wall or floor mounting (BVP333, BWP333)  
 Suitable for direct and indirect (up-) lighting  
 Cable entry via PG13.5 cable glands  
 Ambient temperature outdoor: 45°C (35°C indoor), except versions ECO107-1S/756 and ECO118-1S/756 where ambient temperature is outdoor 35°C (25°C indoor)  
 Drag factor (Cx): 1.20  
 Projected area in horizontal position: 0.20m<sup>2</sup>  
 Max adjustment from the horizontal: 0° (BGP333, BWP333)  
 Max adjustment from the horizontal: -90° TO +90° (BVP333)

### Operating temp.

Outdoor: -30 to +45°C (except version ECO107-1S/756 and ECO118-1S/756 where operating temperature range is -30 to +35°)  
 Indoor: -30 to +35°C (except version ECO107-1S/756 and ECO118-1S/756 where operating temperature range is -30 to +25°)

### Connection

Screw connection block

### Lifetime

GreenLine (GRN): 100,000 hours, 70% lumen maintenance at Ta 25°C  
 EconomyLine (ECO): 85,000 hours, 70% lumen maintenance at Ta 25°C

### Classification code



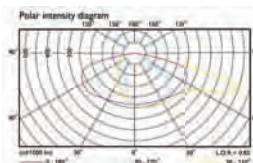
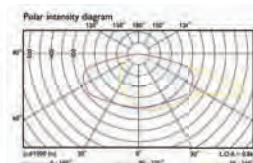
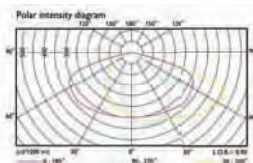
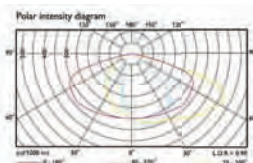
## Polar Intensity Diagram (For further Photometric data please contact our technical department)

**BGP333 1xGRN50-1S/740 DC**  
 Lampflux: 1 x 5040 lm

**BVP333 1xGRN50-1S/740 DC**  
 Lampflux: 1 x 5040 lm

**BVP333 1xGRN84-1S/740 DX**  
 Lampflux: 1 x 8400 lm

**BWP333 1xECO118-1S/756 DX**  
 Lampflux: 1 x 11844 lm



## Product Selection

### BGP333 GreenLine

Housing Colour	Light Colour	Number of LED's	Weight KG	Optic	Power	Dimming	Order code
Silver	○ Neutral White (4000 K)	40	12.6	Asymmetrical	48	No	04305800
Silver	○ Neutral White (4000 K)	64	12.6	Asymmetrical	74	No	04701800
Silver	○ Neutral White (4000 K)	80	12.6	Asymmetrical	96	No	04702500
Silver	○ Neutral White (4000 K)	40	12.6	Symmetrical	48	No	04706300
Silver	○ Neutral White (4000 K)	64	12.6	Symmetrical	74	No	04707000
Silver	○ Neutral White (4000 K)	80	12.6	Symmetrical	96	No	04708700
Silver	○ Neutral White (4000 K)	40	12.6	Medium Distribution	48	No	04712400
Silver	○ Neutral White (4000 K)	64	12.6	Medium Distribution	74	No	04713100
Silver	○ Neutral White (4000 K)	80	12.6	Medium Distribution	96	No	04714800
Silver	○ Neutral White (4000 K)	40	12.6	Asymmetrical	48	I-10V	04718600
Silver	○ Neutral White (4000 K)	64	12.6	Asymmetrical	74	I-10V	04719300
Silver	○ Neutral White (4000 K)	80	12.6	Asymmetrical	96	I-10V	04720900
Silver	○ Neutral White (4000 K)	40	12.6	Symmetrical	48	I-10V	04724700
Silver	○ Neutral White (4000 K)	64	12.6	Symmetrical	74	I-10V	04725400
Silver	○ Neutral White (4000 K)	80	12.6	Symmetrical	96	I-10V	04726100
Silver	○ Neutral White (4000 K)	40	12.6	Medium Distribution	48	I-10V	04730800
Silver	○ Neutral White (4000 K)	64	12.6	Medium Distribution	74	I-10V	04731500
Silver	○ Neutral White (4000 K)	80	12.6	Medium Distribution	96	I-10V	04732200

### BGP333 EconomyLine

Housing Colour	Light Colour	Number of LED's	Weight KG	Optic	Power	Dimming	Order code
Silver	● Cool White (5600K)	40	12.6	Asymmetrical	72	No	04736000
Silver	● Cool White (5600K)	64	12.6	Asymmetrical	113	No	04737700
Silver	● Cool White (5600K)	80	12.6	Asymmetrical	146	No	04738400
Silver	● Cool White (5600K)	40	12.6	Symmetrical	72	No	04742100
Silver	● Cool White (5600K)	64	12.6	Symmetrical	113	No	04743800
Silver	● Cool White (5600K)	80	12.6	Symmetrical	146	No	04744500
Silver	● Cool White (5600K)	40	12.6	Medium Distribution	72	No	04748300
Silver	● Cool White (5600K)	64	12.6	Medium Distribution	113	No	04749000
Silver	● Cool White (5600K)	80	12.6	Medium Distribution	146	No	04750600
Silver	● Cool White (5600K)	40	12.6	Asymmetrical	72	I-10V	04754400
Silver	● Cool White (5600K)	64	12.6	Asymmetrical	113	I-10V	04755100
Silver	● Cool White (5600K)	80	12.6	Asymmetrical	146	I-10V	04756800
Silver	● Cool White (5600K)	40	12.6	Symmetrical	72	I-10V	04760500
Silver	● Cool White (5600K)	64	12.6	Symmetrical	113	I-10V	04761200
Silver	● Cool White (5600K)	80	12.6	Symmetrical	146	I-10V	04762900
Silver	● Cool White (5600K)	40	12.6	Medium Distribution	72	I-10V	04766700
Silver	● Cool White (5600K)	64	12.6	Medium Distribution	113	I-10V	04767400
Silver	● Cool White (5600K)	80	12.6	Medium Distribution	146	I-10V	04768100

☎ For further information call 01483 293 258

## Product Selection

### BWP333 GreenLine

Housing Colour	Light Colour	Number of LED's	Weight KG	Optic	Power	Dimming	Order code
Silver	○ Neutral White (4000 K)	40	12.6	Asymmetrical	48	No	04772800
Silver	○ Neutral White (4000 K)	64	12.6	Asymmetrical	74	No	04773500
Silver	○ Neutral White (4000 K)	80	12.6	Asymmetrical	96	No	04774200
Silver	○ Neutral White (4000 K)	40	12.6	Symmetrical	48	No	04778000
Silver	○ Neutral White (4000 K)	64	12.6	Symmetrical	74	No	04779700
Silver	○ Neutral White (4000 K)	80	12.6	Symmetrical	96	No	04780300
Silver	○ Neutral White (4000 K)	40	12.6	Medium Distribution	48	No	04784100
Silver	○ Neutral White (4000 K)	64	12.6	Medium Distribution	74	No	04785800
Silver	○ Neutral White (4000 K)	80	12.6	Medium Distribution	96	No	04786500
Silver	○ Neutral White (4000 K)	40	12.6	Asymmetrical	48	I-10V	04790200
Silver	○ Neutral White (4000 K)	64	12.6	Asymmetrical	74	I-10V	04791900
Silver	○ Neutral White (4000 K)	80	12.6	Asymmetrical	96	I-10V	04792600
Silver	○ Neutral White (4000 K)	40	12.6	Symmetrical	48	I-10V	04796400
Silver	○ Neutral White (4000 K)	64	12.6	Symmetrical	74	I-10V	04797100
Silver	○ Neutral White (4000 K)	80	12.6	Symmetrical	96	I-10V	04798800
Silver	○ Neutral White (4000 K)	40	12.6	Medium Distribution	48	I-10V	04802200
Silver	○ Neutral White (4000 K)	64	12.6	Medium Distribution	74	I-10V	04803900
Silver	○ Neutral White (4000 K)	80	12.6	Medium Distribution	96	I-10V	04804600

### BWP333 EconomyLine

Housing Colour	Light Colour	Number of LED's	Weight KG	Optic	Power	Dimming	Order code
Silver	● Cool White (5600K)	40	12.6	Asymmetrical	72	No	04808400
Silver	● Cool White (5600K)	64	12.6	Asymmetrical	113	No	04809100
Silver	● Cool White (5600K)	80	12.6	Asymmetrical	146	No	04810700
Silver	● Cool White (5600K)	40	12.6	Symmetrical	72	No	04814500
Silver	● Cool White (5600K)	64	12.6	Symmetrical	113	No	04815200
Silver	● Cool White (5600K)	80	12.6	Symmetrical	146	No	04816900
Silver	● Cool White (5600K)	40	12.6	Medium Distribution	72	No	04820600
Silver	● Cool White (5600K)	64	12.6	Medium Distribution	113	No	04821300
Silver	● Cool White (5600K)	80	12.6	Medium Distribution	146	No	04822000
Silver	● Cool White (5600K)	40	12.6	Asymmetrical	72	I-10V	04826800
Silver	● Cool White (5600K)	64	12.6	Asymmetrical	113	I-10V	04827500
Silver	● Cool White (5600K)	80	12.6	Asymmetrical	146	I-10V	04828200
Silver	● Cool White (5600K)	40	12.6	Symmetrical	72	I-10V	04832900
Silver	● Cool White (5600K)	64	12.6	Symmetrical	113	I-10V	04833600
Silver	● Cool White (5600K)	80	12.6	Symmetrical	146	I-10V	04834300
Silver	● Cool White (5600K)	40	12.6	Medium Distribution	72	I-10V	04838100
Silver	● Cool White (5600K)	64	12.6	Medium Distribution	113	I-10V	04839800
Silver	● Cool White (5600K)	80	12.6	Medium Distribution	146	I-10V	04840400

## Product Selection

### BVP333 GreenLine

Housing Colour	Light Colour	Number of LED's	Weight KG	Optic	Power	Dimming	Order code
Silver	○ Neutral White (4000 K)	40	12.6	Asymmetrical	48	No	04844200
Silver	○ Neutral White (4000 K)	64	12.6	Asymmetrical	74	No	04845900
Silver	○ Neutral White (4000 K)	80	12.6	Asymmetrical	96	No	04846600
Silver	○ Neutral White (4000 K)	40	12.6	Symmetrical	48	No	04850300
Silver	○ Neutral White (4000 K)	64	12.6	Symmetrical	74	No	04851000
Silver	○ Neutral White (4000 K)	80	12.6	Symmetrical	96	No	04852700
Silver	○ Neutral White (4000 K)	40	12.6	Medium Distribution	48	No	04856500
Silver	○ Neutral White (4000 K)	64	12.6	Medium Distribution	74	No	04857200
Silver	○ Neutral White (4000 K)	80	12.6	Medium Distribution	96	No	04858900
Silver	○ Neutral White (4000 K)	40	12.6	Asymmetrical	48	I-10V	04862600
Silver	○ Neutral White (4000 K)	64	12.6	Asymmetrical	74	I-10V	04863300
Silver	○ Neutral White (4000 K)	80	12.6	Asymmetrical	96	I-10V	04864000
Silver	○ Neutral White (4000 K)	40	12.6	Symmetrical	48	I-10V	04868800
Silver	○ Neutral White (4000 K)	64	12.6	Symmetrical	74	I-10V	04869500
Silver	○ Neutral White (4000 K)	80	12.6	Symmetrical	96	I-10V	04870100
Silver	○ Neutral White (4000 K)	40	12.6	Medium Distribution	48	I-10V	04874900
Silver	○ Neutral White (4000 K)	64	12.6	Medium Distribution	74	I-10V	04875600
Silver	○ Neutral White (4000 K)	80	12.6	Medium Distribution	96	I-10V	04876300

### BVP333 EconomyLine

Housing Colour	Light Colour	Number of LED's	Weight KG	Optic	Power	Dimming	Order code
Silver	● Cool White (5600K)	40	12.6	Asymmetrical	72	No	04880000
Silver	● Cool White (5600K)	64	12.6	Asymmetrical	113	No	04881700
Silver	● Cool White (5600K)	80	12.6	Asymmetrical	146	No	04882400
Silver	● Cool White (5600K)	40	12.6	Symmetrical	72	No	04886200
Silver	● Cool White (5600K)	64	12.6	Symmetrical	113	No	04887900
Silver	● Cool White (5600K)	80	12.6	Symmetrical	146	No	04888600
Silver	● Cool White (5600K)	40	12.6	Medium Distribution	72	No	04892300
Silver	● Cool White (5600K)	64	12.6	Medium Distribution	113	No	04893000
Silver	● Cool White (5600K)	80	12.6	Medium Distribution	146	No	04894700
Silver	● Cool White (5600K)	40	12.6	Asymmetrical	72	I-10V	04898500
Silver	● Cool White (5600K)	64	12.6	Asymmetrical	113	I-10V	04899200
Silver	● Cool White (5600K)	80	12.6	Asymmetrical	146	I-10V	04900500
Silver	● Cool White (5600K)	40	12.6	Symmetrical	72	I-10V	04904300
Silver	● Cool White (5600K)	64	12.6	Symmetrical	113	I-10V	04905000
Silver	● Cool White (5600K)	80	12.6	Symmetrical	146	I-10V	04906700
Silver	● Cool White (5600K)	40	12.6	Medium Distribution	72	I-10V	04910400
Silver	● Cool White (5600K)	64	12.6	Medium Distribution	113	I-10V	04911100
Silver	● Cool White (5600K)	80	12.6	Medium Distribution	146	I-10V	04912800

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# OptiFlood LEDGINE

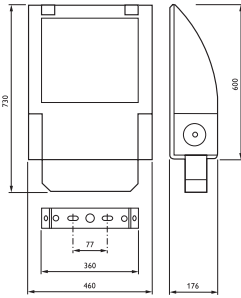
- \_A future proof area lighting solution, which offers significant energy saving without compromising lighting standards
- \_Best in class LEDGINE area optics for maximum flexibility
- \_Maximized energy saving vs. HID power equivalent solutions
- \_Integrated available controls enables additional energy savings





# OptiFlood LEDGINE

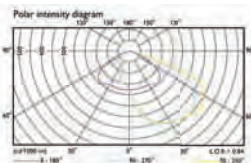
## Standard features



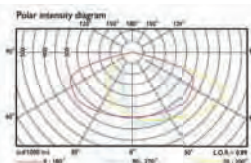
<b>Type</b>	<b>BVP506</b>
<b>Light colour</b>	GreenLine (GRN): 4000 K EconomyLine (ECO): 5600 K
<b>Power consumption</b>	GreenLine (GRN): 65, 74, 85 ,96, 104 or 113W EconomyLine (ECO): 99, 113, 129, 146, 158 or 172W
<b>Light Source</b>	Integral LEDGINE module
<b>Driver</b>	Integrated 220-240V / 50-60Hz
<b>Optic</b>	Asymmetrical area (A) or symmetrical area (S) Distribution Medium (DM), Distribution Wide (DW), Distribution Extremely wide (DX), Distribution Comfort (DC)
<b>Controls</b>	I-IOV
<b>Materials and finishing</b>	Housing: high pressure, die-cast aluminium, non corrosive Glass: Thermally hardened, 4mm thick Clips: stainless steel Lens: Acrylic
<b>Installation</b>	On mast head frame, ceiling, wall and floor mounting Front cover hinges for easy access Aiming indicator ring is integrated on housing and bracket Ambient temperature outdoor: 40°C (30°C indoor) Recommended mounting height: 6 - 10m Adjustable tilt angle: 15° Max SCx value by side: 0.10m <sup>2</sup> Max adjustment from the horizontal: -180 to +180° Max vertical aiming: 90 to +90° Uplighting for indoor only
<b>Operating temp.</b>	-30° to +40°C (outdoor)
<b>Connection</b>	Screw connection block
<b>Lifetime</b>	GreenLine (GRN): 100,000 hours, 70% lumen maintenance at Ta 25°C EconomyLine (ECO): 85,000 hours, 70% lumen maintenance at Ta 25°C
<b>Accessories</b>	Wire guard Styled pole mounting brackets (single, double, triple and quadruple) available on request
<b>Classification code</b>	

## Polar Intensity Diagram (For further Photometric data please contact our technical department)

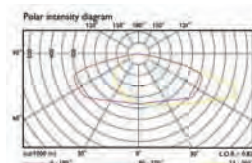
**BVP506 GC 1xECO107-1S/756 A**  
Lampflux: 1 x 10660 lm



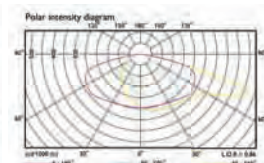
**BVP506 GC 1xGRN59-1S/740 DC**  
Lampflux: 1 x 5880 lm



**BVP506 GC 1xECO142-1S/756 DW**  
Lampflux: 1 x 14213 lm



**BVP506 GC 1xGRN92-1S/740 DX**  
Lampflux: 1 x 9240 lm



## Product Selection

### BVP506 GreenLine

Housing Colour	Light Colour	Number of LED's	Weight KG	Optic	Power	Order code
Raw Aluminium	○ Neutral White (4000 K)	80	19.5	Asymmetrical	96	30105900
Ultra Dark Grey	○ Neutral White (4000 K)	80	19.5	Asymmetrical	96	30111000
Raw Aluminium	○ Neutral White (4000 K)	80	19.5	Symmetrical	96	30129500
Ultra Dark Grey	○ Neutral White (4000 K)	80	19.5	Symmetrical	96	30135600
Raw Aluminium	○ Neutral White (4000 K)	80	19.5	Medium Distribution	96	30153000
Ultra Dark Grey	○ Neutral White (4000 K)	80	19.5	Medium Distribution	96	30159200
Raw Aluminium	○ Neutral White (4000 K)	88	19.5	Asymmetrical	104	30106600
Ultra Dark Grey	○ Neutral White (4000 K)	88	19.5	Asymmetrical	104	30112700
Raw Aluminium	○ Neutral White (4000 K)	88	19.5	Symmetrical	104	30130100
Ultra Dark Grey	○ Neutral White (4000 K)	88	19.5	Symmetrical	104	30136300
Raw Aluminium	○ Neutral White (4000 K)	88	19.5	Medium Distribution	104	30154700
Ultra Dark Grey	○ Neutral White (4000 K)	88	19.5	Medium Distribution	104	30160800
Raw Aluminium	○ Neutral White (4000 K)	96	19.5	Asymmetrical	113	30107300
Ultra Dark Grey	○ Neutral White (4000 K)	96	19.5	Asymmetrical	113	30113400
Raw Aluminium	○ Neutral White (4000 K)	96	19.5	Symmetrical	113	30131800
Ultra Dark Grey	○ Neutral White (4000 K)	96	19.5	Symmetrical	113	30137000
Raw Aluminium	○ Neutral White (4000 K)	96	19.5	Medium Distribution	113	30155400
Ultra Dark Grey	○ Neutral White (4000 K)	96	19.5	Medium Distribution	113	30161500

### BVP506 EconomyLine

Housing Colour	Light Colour	Number of LED's	Weight KG	Optic	Power	Order code
Raw Aluminium	● Cool White (5600K)	80	19.5	Asymmetrical	146	30108000
Ultra Dark Grey	● Cool White (5600K)	80	19.5	Asymmetrical	146	30114100
Raw Aluminium	● Cool White (5600K)	80	19.5	Symmetrical	146	30132500
Ultra Dark Grey	● Cool White (5600K)	80	19.5	Symmetrical	146	30138700
Raw Aluminium	● Cool White (5600K)	80	19.5	Medium Distribution	146	30156100
Ultra Dark Grey	● Cool White (5600K)	80	19.5	Medium Distribution	146	30162200
Raw Aluminium	● Cool White (5600K)	88	19.5	Asymmetrical	158	30109700
Ultra Dark Grey	● Cool White (5600K)	88	19.5	Asymmetrical	158	30115800
Raw Aluminium	● Cool White (5600K)	88	19.5	Symmetrical	158	30133200
Ultra Dark Grey	● Cool White (5600K)	88	19.5	Symmetrical	158	30139400
Raw Aluminium	● Cool White (5600K)	88	19.5	Medium Distribution	158	30157800
Ultra Dark Grey	● Cool White (5600K)	88	19.5	Medium Distribution	158	30163900
Raw Aluminium	● Cool White (5600K)	96	19.5	Asymmetrical	172	30110300
Ultra Dark Grey	● Cool White (5600K)	96	19.5	Asymmetrical	172	30116500
Raw Aluminium	● Cool White (5600K)	96	19.5	Symmetrical	172	30134900
Ultra Dark Grey	● Cool White (5600K)	96	19.5	Symmetrical	172	30140000
Raw Aluminium	● Cool White (5600K)	96	19.5	Medium Distribution	172	30158500
Ultra Dark Grey	● Cool White (5600K)	96	19.5	Medium Distribution	172	30164600

☎ For further information call 01483 293 258





# Controls



# Lighting Controls

Philips is synonymous with the creation of sophisticated, productive, reliable and energy-efficient lighting control solutions for a wide range of segments that include residential, custom installation, offices, retail, hospitality, industrial, highway and public spaces.

The Philips portfolio offers controls ranging from simple 'plug and play' solutions to fully scalable, integrated networked solutions for both indoor and outdoor applications.

The following table provides a cross reference between luminaire and control range selection.

For further information, assistance with applications and budgets, please call our UK Sales Support Team on 01483 298950, email at [lcuk.sales@philips.com](mailto:lcuk.sales@philips.com) or click on [www.dynalite.eu](http://www.dynalite.eu)

**PHILIPS**



ToBeTouched Colour



ToBeTouched CT



ToBeTouched DALI



Project:  
\_Plaza del Sol, Móstoles, Spain  
Lighting design:  
\_Enriqueta Diaz

## Controls

	<b>Generic Type</b>	<b>Dimmable</b>	<b>Control Protocol</b>
ColorReach Powercore	RGB	YES	DMX
iW Reach Powercore	White	YES	DMX
eW Reach Powercore	White	YES	DMX
ColorBlast 12 Powercore	RGB	YES	DMX
ColorBlast	RGB	YES	DMX
eColor Blast Powercore	Amber; Blue, Green or Red	NO	-
eW Blast Powercore	White	NO	-
iw Blast Powercore	White	YES	DMX
ColorBurst Powercore	RGB	YES	DMX
ColorBurst Compact Powercore	RGB	YES	DMX
eColor Burst Powercore	Amber; Blue, Green and Red	NO	-
eW Burst Powercore	White	NO	-
ColorBurst 6	RGB	YES	DMX
LEDflood K2	Amber; Blue, Green ,Red and White	YES	DMX/ RDM
	Amber; Blue, Green ,Red and White	NO	-
	Blue & Green, White & Amber and Blue & white	YES	DMX/ RDM
	AWB, RGB	YES	DMX/ RDM
C-Splash 2	RGB	YES	DMX
Underwater LED	White, and Blue	NO	-
	RGB	YES	DMX
BeamerLED	White, Red, Green, Blue, Amber; Cyan and Light Blue	NO	-
iColorGraze Powercore	RGB	YES	DMX
eColorGraze Powercore	Amber; Blue, Green and Red	YES	Phase cut
iW Graze Powercore	White	YES	DMX
eW Graze Powercore	White	YES	Phase cut
LEDline	Warm white, Neutral White, RGB and AWB	YES	DMX
	Amber; Blue, Green and Red	YES	DALI
	Amber; Blue, Green and Red	YES	1-10V DC
iColor Accent MX Powercore	RGB	YES	DMX
iColorFlex LMX	RGB	YES	DMX
iColorFlex MX	RGB	YES	DMX
eW Flex SLX	White	YES	DMX
VidiWall	RGB	YES	DMX
iColorTile MX 2.2	RGB	YES	DMX
iColor Cove MX Powercore	RGB	YES	DMX
iColor Cove QLX	RGB	YES	DMX
iColor Cove EC	RGB	YES	DMX
eW Profile Powercore	White	YES	Phase cut
eW Cove MX Powercore	White	NO	-
eW Cove EC Powercore	White, Amber; Blue	NO	-
eW Cove QLX Powercore	White	NO	-
eW Fuse Powercore	White	NO	-
iW Cove MX Powercore Gen 2	White	NO	-
LuxSpace	White	YES	DALI
LuxSpace Mini Square	White	YES	DALI
EssentialLED Downlight	White	NO	-
EssentialLED Downlight Fire Rated	White	NO	-
EssentialLED Downlight Adjustable	White	NO	-
EssentialLED Inground	White	NO	-

<b>Occurance</b>	<b>ToBeTouched</b>	<b>CK/ Philips LED</b>	<b>Dynalite</b>	<b>StarSense</b>	<b>Dynadimmer</b>	<b>LumiMotion</b>
N	Y	Y	Y	N	N	N
N	Y	Y	Y	N	N	N
N	Y	Y	Y	N	N	N
N	Y	Y	Y	N	N	N
N	Y	Y	Y	N	N	N
Y	N	N	Y	N	N	N
Y	N	N	Y	N	N	N
N	Y	Y	Y	N	N	N
N	Y	Y	Y	N	N	N
Y	N	N	Y	N	N	N
Y	N	N	Y	N	N	N
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N	N	N	Y	N	N	N
N	N	N	Y	N	N	N
Y	Y	N	Y	N	N	N
Y	Y	N	Y	N	N	N
Y	N	N	Y	N	N	N
Y	N	N	Y	N	N	N
Y	N	N	Y	N	N	N
Y	N	N	Y	N	N	N



## Controls

	<b>Generic Type</b>	<b>Dimmable</b>	<b>Control Protocol</b>
Spot LED I & II Recessed	White	NO	-
Spot LED I & II Surface	White	NO	-
Spot LED Gen 3	White	YES	Phase cut
Arctone Micro	White	YES	DALI
UnicOne LED	White	NO	-
UnicOne Pendant Compact	White	NO	-
eW Downlight Powercore	White	YES	Phase cut
Magneos LED	White	NO	-
StylID	White	NO	-
	White	YES	Phase cut
	White	YES	DALI
DaySign Projector	White	NO	-
	White	YES	DALI
Master LED	White	NO	-
	White	YES	Phase cut
DayWave	White	YES	DALI
DayZone	White	YES	DALI
Arano	White	NO	-
Celino	White	NO	-
Coreview	White	NO	-
SmartForm	White	NO	-
Ledino (Indoor)	White	YES	Phase cut
Pacific LED	White	NO	-
	White	YES	DALI
SmartBollard LED	White	NO	-
Amazon LED	Yellow, Blue, Green, Red, White	NO	-
Marker LED	Amber, Blue, Green, Red, White and RGB	YES	DMX
Asymmetric Wall Marker LED	White	NO	-
Ledino (outdoor)	White	YES	Phase cut
Wall Marker LED	Blue, White and RGB	NO	-
DecoScene LED	White, Red, Green, Amber and Blue	NO	-
	RGB	YES	DMX
Light Tube	RGB and AWB	NO	-
Speedstar	White	YES	1-10V DC
Mini Iridium	White	YES	1-10V DC
TunLite LED	White	YES	1-10V DC
Residium Fortimo	White	NO	-
Residium Aluminium	White	NO	-
Residium Aluminium	White	YES	1-10V DC
CitySpirt LED	White	YES	1-10V DC
CitySpirt Street LED	White	YES	1-10V DC
UrbanScene LED	White	YES	1-10V DC
CitySoul LEDGINE	White	YES	1-10V DC
MileWide LEDGINE	White	YES	1-10V DC
Koffer2 LED	White	YES	1-10V DC
Mini300 LED	White	YES	1-10V DC
Mini300 Stealth LEDGINE	White	YES	1-10V DC
OptiFlood LEDGINE	White	YES	1-10V DC








# Key & Index

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## Approvals and standards

-  A condition for the free circulation on the entire European market of products that are safe
-  The UL Mark is widely recognised by consumers, retailers and authorities in America who trust UL's integrity and commitment to consumer safety ensuring that products can be used by the consumer with confidence.




## Ambient temperature

-  Passes the 650°C glow wire test in accordance with IEC 695-2-1
-  Passes the 850°C glow wire test in accordance with IEC 695-2-1

## Luminaire marking for flammability

-  F mark (200°) – fittings comply with installation requirements for mounting on flammable surfaces

## Electrical safety classes

-  Class I – Luminaires in this class have basic insulation and are fitted with an earthing point (identified) for the connection of all those exposed metal parts that could conceivably become live in the presence of a fault. Where the Class I luminaire is provided with a flexible power lead, it must include an earth wire.
-  Class II – Luminaires in this class are designed and constructed in such a way that exposed metal parts cannot become live. This can be achieved by means of either reinforced or double insulation, but without a provision for protective earthing.
-  Class III – The luminaires in this class are those in which protection against electric shock relies on supply at Safety Extra-Low Voltage (SELV), typically 12V or 24V, and in which voltages higher than those of SELV (50V a.c. r.m.s.) are not generated. A Class III luminaire should not be fitted with a facility for protective earthing.

## Protection against mechanical shock

IK 08

IK No.	Shock (joules)	Description	Example
IK00	–		
IK01	0.15		
IK02	0.2	Standard	Standard open luminaire, closed luminaire with acrylic cover
IK03	0.3		
IK04	0.5	Standard plus	Open luminaire with reinforced optical system
IK05	0.7		
IK06	1		
IK07	2	Reinforced	
IK08	5	Vandal-protected	Closed luminaire with polycarbonate or hardened glass cover
IK09	10		
IK10	20	Vandal-resistant	Closed luminaire



**The Ingress Protection system**

IP 66

**First Number****Degree of protection against accidental contact/contact with external elements**

No.	Description	Explanation
0	Non-protected	Not protected
1	Hand-protected	Protected against solid objects exceeding 50mm in diameter
2	Finger-protected	Protected against finger contact with live parts; and against solid objects exceeding 12mm in diameter
3	Tool-protected	Protected against contact with live parts by tools, wire or similar objects over 2.5mm thick; and protection against penetration of solid objects exceeding 2.5mm in diameter
4	Wire-protected	Protected against contact with live parts by tools, wire or similar objects over 1mm thick; protection against penetration of solid objects exceeding 1mm in diameter
5	Dust-accumulation protected	Complete protection against contact with live parts and against harmful accumulation of dust; some dust may penetrate but not to the extent that operation is impaired
6	Dust-penetration protected	Complete protection against contact with live parts and against penetration of dust

**Second Number****Degree of protection against ingress of moisture**

No.	Description	Explanation
0	Non-protected	Not protected against moisture
1	Drip-proof against vertical water drops	Water drips falling vertically shall have no harmful effect
2	Drip-proof when tilted at angles of up to 15°	Water drips shall have no harmful effect
3	Rain/spray-proof	Water falling at an angle of up to 60° shall have no harmful effect
4	Splash-proof	Splashing water from any direction shall have no harmful effect
5	Jet-proof	Water projected by a nozzle from any direction shall have no harmful effect. (Nozzle diameter 6.3mm, pressure 30 kPa)
6	Jet-proof	Water projected by a nozzle from any direction shall have no harmful effect. (Nozzle diameter 12.5mm, pressure 100 kPa)
7	Watertight	Watertight; temporary immersion in water under specified conditions of pressure and time possible without ingress of water in harmful quantities
8	Pressure watertight	Pressure watertight; continuous submersion in water under specified conditions of pressure and time without ingress of water in harmful quantities

# Safety and protection of luminaires

## Approvals and standards

Luminaires sold in the market are expected to comply with the appropriate safety requirements as laid down in the European series of standards EN 60598 prepared by CENELEC, the European Committee for Electrotechnical Standardisation, and which are almost fully harmonised with the worldwide series of standards IEC 60598. European standards are accepted as the national standards and published as such.

Since the issuing of the Low Voltage Directive the availability of the appropriate safety standards has improved the overall quality of our luminaires. The European testing institutes, in cooperation with the European Luminaire Industry, introduced the ENEC mark in January 1993.

All luminaires supplied by Philips comply with the ENEC criteria and many indeed carry the ENEC mark to show the involvement of objective third parties. The CE mark, which is a condition for the free circulation on the entire European market of products that are safe, for example, is the way our organisation demonstrates its compliance with the relevant European legislation. For more information on the European platform of Testing agencies, please consult their website [www.EEPCA.org](http://www.EEPCA.org)

## Ambient temperature

Philips luminaires are designed to meet the (environmental) conditions under which they are most likely to be used. The maximum ambient temperature  $T_a$  under which a luminaire can be operated safely, is indicated on the type label on the product; if no indication is given the product is intended for a maximum ambient temperature of 25°C. The ambient temperature always refers to the typical use of the luminaire: indoors or outdoors.

The majority of luminaires developed for office, shop and general indoor applications show no  $T_a$ , thus indicating 25°C. Luminaires designed for industrial high-bay applications are designed for ambient temperatures as high as 40 to 45°C. The use of luminaires above their specified maximum ambient temperature may reduce safety margins and will mostly lead to a reduction of the lifetime of the various components. Electronic

equipment, ballasts and lighting controls are particularly sensitive to overheating. Although (extremely) low temperatures do not normally affect the safety of luminaires, this may affect operation during the starting-up phase of the lamp. Fluorescent lamps should not be used below -5°C to -10°C.

Upon request special solutions are often possible for higher or lower ambient temperatures. High-intensity discharge lamps function well below -20°C and are the most suitable lamps for outdoor use.

## Flammability

From the point of view of flammability of mounting materials, luminaires can always be mounted on non-flammable building materials like concrete and stone. If luminaires are to be mounted on flammable materials special measures should be taken. Luminaires for discharge lamps with no warning sign to indicate that they are unsuitable for mounting on normally flammable surfaces, are suitable for mounting on building surfaces that do not ignite below 200°C.

## Electrical supply

An important step has been taken to harmonise the European mains supply voltage. From 2003 onwards the voltage delivered for use in buildings is 230V/400V with a tolerance of  $\pm 10\%$ . Philips luminaires are designed for the future and will operate well on the supply of today and tomorrow. An example is the electronic ballast designed for a rated mains voltage of 220-240V, with tolerance for safety of  $\pm 10\%$  and tolerances for performance of -8% and +6%, covering the full range between 202V and 254V.

## Electrical safety classes

Electrical equipment is classified according to the protection level against electrical shock. In normal operation as well as during service and maintenance, luminaires should be protected against electrical shock. The safety of a luminaire depends on electrical, mechanical and thermal aspects, both under normal and fault conditions. The electrical safety classification drawn up by the IEC embraces 3 luminaire classes: Class I, II and III. Low voltage luminaires designed to meet the Safety Extra-Low Voltage (SELV) limits can be categorised as Class III.

The key (p294) gives a brief description of each electrical safety class. The official definitions are too long to be reproduced in full here, but can be summarised as printed below. If a protective earth connection is available, Class I luminaires are applied. However, if there is no earth connection or if eddy currents are present, Class II luminaires shall be applied. Class II water-protected luminaires are applied in wet and outdoor locations. Local electricity boards can provide the appropriate advice.

### **Protection against mechanical shock**

The impact resistance of a luminaire defines the protection of the luminaire against mechanical shock. The European standard EN 50102 defines the degrees of protection against external mechanical impact (IK code) and the method of testing. The luminaire housing should withstand the defined energy of the mechanical shock without losing its electrical and mechanical safety, or the basic luminaire function. Translated into a more practical implementation, this means that after withstanding the shock, deformation of the mirror and housing is allowed, although broken lamps, an unsafe electrical situation and failure to meet the specified IP classifications are not permitted. The impact resistance is expressed as a group numeral, for instance IK06, which is related to the impact energy. All types of Philips luminaires have a minimum impact resistance of 0.2 J. The table (p294) shows the ten IK classifications and the defined shock energy expressed in joules. Notice that fully vandal-proof luminaires are not available; vandal-protected (IK09) and vandal-resistant (IK10) are the best achievable classifications.

### **Protection against ingress of solid objects, dust and moisture**

The Ingress Protection system (IP) EN 60529, 1991 defines various degrees of protection against the ingress of foreign bodies, dust and moisture. The term 'foreign bodies' includes things like fingers and tools coming into contact with the electrical live parts of the product. Both safety aspects (contact with live parts) and harmful effects on the function of the luminaire are defined.

The designation to indicate the degree of protection consists of the characteristic letters IP followed by 2 digits indicating conformity with the conditions

stated in the table (p295). All Philips luminaires fulfil the minimum classification: IP20 (protected against finger contact with live parts), however a selection of luminaires, especially those for industrial and outdoor (road) applications, meet a higher IP classification. It is important to realise that the specification and safety of luminaires are only secured if the necessary maintenance is carried out according to the instructions of the manufacturer within the time schedules indicated.

### **Ball impact resistance**

For indoor sports halls ball-impact-resistant luminaires are essential. As no European standards have been developed for this purpose, Philips has classified the relevant luminaires according to the German DIN 18032. After the impact test according to this standard (36 handballs targeted at a speed of 60Km/h) no damage of the luminaire should have occurred and no loose particles should drop down from the luminaire. Luminaires protected by a wire guard with a grid width exceeding 60mm are not to be used in tennis sports halls.

### **Safety distance**

In the application of reflector lamps and luminaires with narrow beam distributions of a high intensity, a minimum distance between light source and illuminated surface has to be ensured. This is to prevent too high temperatures of the illuminated surface. Minimum values for safety distances are specified on the luminaire packing. The specified values must be considered as the shortest distances permitted between light source and illuminated object or surface to ensure long-lasting safe operation.

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eW Reach Powercore®	72				

