

Philips Lighting, leading the LED Lighting transformation

www.lighting.philips.co.in

Professional LED lighting catalogue

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Market Share Leadership of the Year in the Indian LED Lighting Market – 2013

Frost & Sullivan presents the 2013 Market Share Leadership of the Year Award in the LED Lighting Market to Philips Electronics India Limited for demonstrating excellence by capturing the highest market share within the Indian LED Lighting Market by achieving highest sales revenues amongst all competitors.

PHILIPS

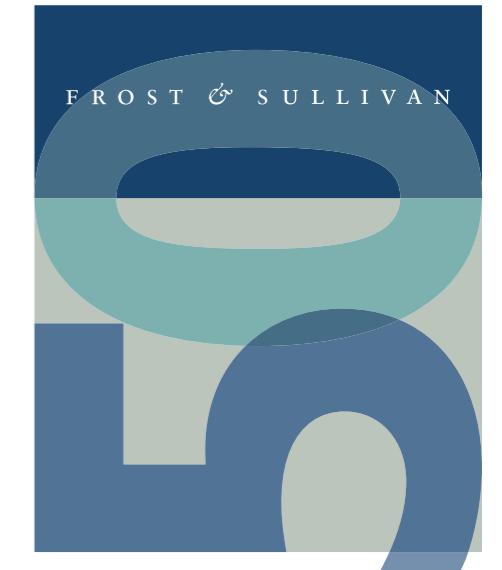
Philips was leading revenue generation in the LED Lighting market with their 2012 sales exceeding 2011 by 83 percent as the company continued its dominant position of the past few years despite the market's exponential growth. With solutions across segments like indoor, outdoor, automotive, railways, and street lighting, the company has strengthened its leadership position by introducing a cost reduction program for LED lamps. For a towering 17 percent market share in the LED lighting market in 2012, Philips Electronics India Ltd. is the winner of the Frost & Sullivan Market Share Leadership award in the Indian LED Lighting market.

Learn more about Philips at
<http://www.lighting.philips.co.in/index.wpd>



Market Share Leadership of the Year
in the LED Lighting Market

Learn more about Frost & Sullivan
at www.awards.frost.com



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Professional LED lighting catalogue

Journey of LEDs at Philips

Luminaire research and design centre

The brightest brains in the country work together on the latest technology platforms to develop the most optimised solution for the customer using cutting edge design software and analysis tools. The design centre is equipped with the state of the art measurement, simulation and validation facility to check the designs, prototypes, safety and protection parameters and finally, the finished products at every step, from conceptualisation to delivery.



Gonio-photometer in the photometric lab

Photometry lab

State of art facility (one of the biggest lab in Asia) for photometric measurements using rotating mirror type Gonio-photometer. It is used to measure the light distribution of luminaires in a 3 dimensional space. The measurements may be used to derive photometric characteristics and is transformed for publication in graphical form such as polar curve. This is the most appropriate type of Gonio-photometer for measuring LED Luminaires with more than 98% accuracy.



Thermal and electrical lab

Thermal and electrical lab

Luminaires are tested here as per IEC and IS standards. Fully equipped to conduct tests for thermal endurance, high voltage and insulation resistance, heat-fire-tracking, electrical performance measurement, switching cycle tests. This lab is instrumental for endorsement of product quality.



PCB ocular inspection



LED drivers and solar charge controller development lab

LED drivers and solar charge controller development lab



Thermal testing

Dust ingress and water ingress facility

IP66 marking on luminaires imply ingress protection from dust and moisture, which is very important to ensure constant quality of light output. All products are rigorously tested for protection against dust and water, followed by electrical safety tests viz. high voltage and insulation resistance. The facility covers entire range of ingress protection and is instrumental for customer acceptance tests.



Dust testing



Rain chamber

Applications of LEDs



Office



Industry



Outdoor



Retail



Hospitality

LEDs in office

We offer a complete portfolio of LED lighting products and solutions for various application areas within an office. From open office areas to meeting rooms and other areas, our range of general lighting, functional lighting and task lighting solutions, meet your need.



The office of the future

Specifically designed to meet the needs of people in offices, our new portfolio makes a serious statement about innovation, design and sustainability. It gives you the opportunity to seize the moment and help shape the office of the future, at the same time creating comfortable office spaces that are a pleasure to work in.

Creative freedom

As the global market leader in lighting, Philips is at the cutting edge of innovation and design. Nowhere is this more apparent than in LED lighting. The very nature of LEDs offers so much more scope for new ideas and their compact size means even more creative freedom in luminaire design. What's more, because they're electronic devices you can control them with great precision to create the right ambience to suit needs, moods or tasks.

Design innovation

Not surprisingly, all this creative freedom has spawned a new wave of office lighting solutions. For example, our DayWave concept, with its graceful curves, adds more than a touch of elegance to any office. New concepts such as DaySign and DayZone extend the possibilities even further, while the range of controls brings ease of use to the workplace.

Green light thinking

Our new complete portfolio has also given the green light to sustainability and an explicit 'GO' to energy saving of up to 85%. Our LED lamps and luminaires set new standards in watts consumed per square meter, especially when combined with our lighting controls. Compliant with all office norms, LEDs also eliminate the need for hazardous substances and because they are designed to last up to three times longer, they create even more savings in terms of reduced spending on maintenance.

The perfect portfolio

Offices require more than just illumination. They need creative lighting solutions that inspire ideas and make a statement, improve well-being and safeguard resources. Our LED portfolio does exactly that with stylish solutions for every workplace application. We provide truly sustainable ways to improve life in the office, without harming the planet.



Reception

Light has the power to set the mood from the moment visitors walk into your reception. Our LED products are beautifully designed to create the most dramatic effects, from undulating waves of light, to crystal clear accents, and soft, colorful ambiances. Whether your office style is funky or functional, we have the right LED products for you.



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LuxSpace HE
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GUI10
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GreenLEDi
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DayWave
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Open plan office

Open plan offices are now far more dynamic. We believe that office lighting should be as well. Create a comfortable ambience that responds to natural light levels, switch lights off automatically when they're not needed. With our smart solutions it's easy to create the most inspiring light effects without compromising on the quality of light. And because they're designed to be highly-efficient, they'll even make your energy bills look good.



Sereno LED
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GreenSqaure
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Cirrus
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Office Cabins

Cell offices and internal rooms that lack natural light require lighting more often and thus incur higher energy costs. Our intelligent solutions reduce energy consumption with luminaires that react to natural light, lighting controls* that glow on approach and sensors* that switch lights off when no one's around. You can now work smarter and save significantly on energy costs.



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*For more information on controls and sensors please visit <http://www.lighting.philips.com>



Meeting rooms

Lighting has a profound effect on the way people feel. Tailor it to the task at hand and you can make your meeting room a far more effective space, enhancing wellbeing, creating excitement or providing an air of quiet calm. Our innovative solutions take LED lighting to new levels of sophistication. Clever features bring out the best in your meeting room and the people who use it.



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Master LED MR16
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Audi
Neckarsulm,
Germany



"The decision to fit out the entire third floor of our office with LED lighting was one of the best of the year. We're also making clear energy savings through the innovative lighting management. In addition, our colleagues feel great in the new atmosphere and are more motivated than ever."

- Property Management, Audi AG Neckarsulm

Customer requirement

Light quality, quantity and controllability similar to conventional fluorescent lighting systems since a good, productive atmosphere in the entire office space was essential.

What Philips offered



PowerBalance



LuxSpace

PowerBalance 2x2 and LuxSpace, LED lighting solutions

Results

- Energy efficient LED lighting.
- Maintenance free operation.
- Good lighting levels.
- Long life.



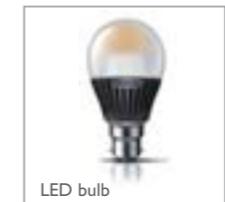
"Practise what you preach. If you are going to promote sustainable business then you really ought to make sure the lighting is an 'illuminating example' as well."

- Thomas Schuurmans, New business developer at Reggs

Customer requirement

Use light to create a cosy, friendly atmosphere and at the same time retain the industrial character of the space.

What Philips offered



Master glow LED bulb

Results

- Creative atmosphere
- Energy saving
- Low maintenance
- Eco friendly

**Eternal Heart
Care Centre (EHCC)**
Jaipur, India



"I wanted our hospital to be perceived more as a hospitality hospital which could provide a very comfortable environment to patients. I was very clear from day 1 that I will go for the best products. When it came to lighting, we chose Philips LED lights"

-Mrs. Manju Sharma, Managing Director, EHCC

Customer requirement

Best LED lighting which could provide a very comfortable environment to patients.

What Philips offered



GreenLED, LED downlights

Results

- Energy efficient LED lighting.
- Maintenance free operation.
- Long life.
- Zero mercury.



Citibank
Gurgaon, India



Customer requirement

Lighting solutions which reduce energy costs without compromising on lighting quality.

What Philips offered



Sereno



LEDO

Sereno 2x2 luminaires and LEDO LED downlighters

Results

- Energy efficient lighting.
- 2'x2' light fittings reduced by 24% and downlighters by 27 nos.
- Overall average illumination level on work-stations improved from 200 lux to 430 lux.
- Long life and maintenance free operation.



"This is the first time HCL has done a green building for office use. Energy consumption for the whole building was an issue, including lighting. We were looking for low density lighting throughout the building, including outdoor areas, so that we are able to save lot of energy for achieving LEED certification. For achieving this, we were looking for a lighting partner and got the answer in Philips."

- Mr. Pranab Nandy, General Manager – Projects, HCL Technologies

Customer requirement

Energy efficient lighting with good lighting levels in order to achieve LEED certification.

What Philips offered

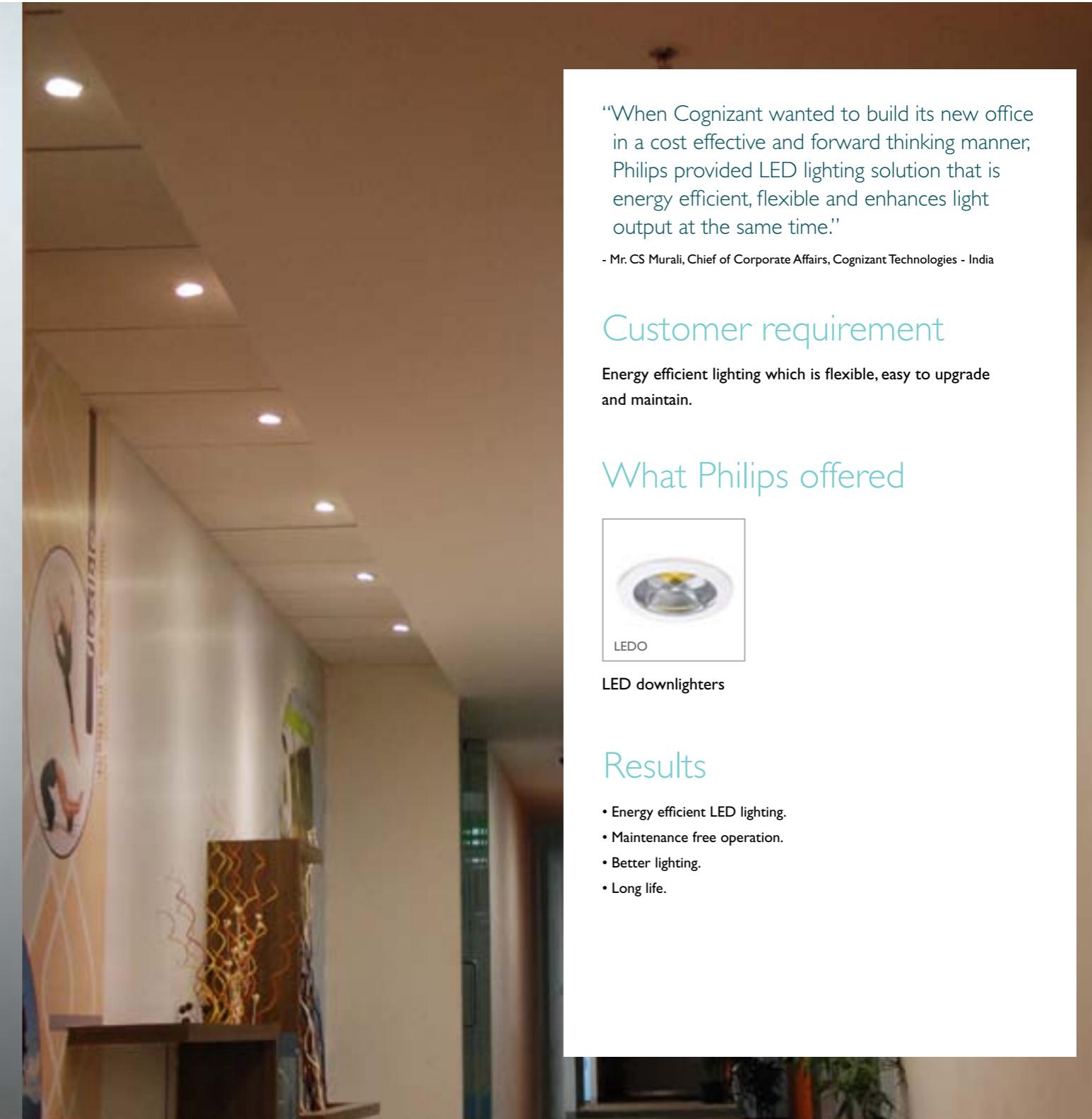


Sereno TL5 luminaires, FBH145 downlighters and RoadStar LED street lights

Results

- Energy efficient lighting.
- Good lighting levels.
- Improved visual comfort.
- Long life.

Cognizant
Technologies
Bangalore, India



"When Cognizant wanted to build its new office in a cost effective and forward thinking manner, Philips provided LED lighting solution that is energy efficient, flexible and enhances light output at the same time."

- Mr. CS Murali, Chief of Corporate Affairs, Cognizant Technologies - India

Customer requirement

Energy efficient lighting which is flexible, easy to upgrade and maintain.

What Philips offered



LED downlighters

Results

- Energy efficient LED lighting.
- Maintenance free operation.
- Better lighting.
- Long life.

Akshaya Pvt. Ltd.
Chennai, India



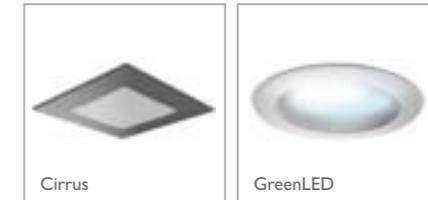
"We strongly believe in proposing green and sustainable solutions to our clients. As a developer, if we don't practice what we preach, there is no meaning. Also, we always go for the best brand while choosing any solution. Hence, we went for Philips LED lighting solutions."

- Mr.T Chitty Babu, Chairman & CEO,Akshaya Pvt. Ltd.

Customer requirement

Energy efficient LED lighting solutions.

What Philips offered



Cirrus 2x2 and GreenLED, LED lighting solutions

Results

- Energy efficient LED lighting.
- Maintenance free operation.
- Long life.
- Good lighting levels.



Orbit Arya
Mumbai, India



"I always think ahead, and wanted to use LED lighting for my dream project. When you look for quality lighting, the first name that comes to mind is Philips. After lot of internal discussions, we chose Philips Color Kinetics Vaya LED lighting system. We are happy that this product has met our requirements."

- Mr. Ravi Kiran Aggarwal - Chairman, Orbit Group of Companies

Customer requirement

LED lighting solution that could enhance the look of the facade of the building.

What Philips offered



Color Kinetics Vaya LED lighting system

Results

- Energy efficient LED lighting.
- Sleek aesthetics.
- Good light output.
- Long life.



General description

GreenLED combines modern product design, latest LED technology and reliable heat management to deliver a long lasting, efficient and cost effective solution for offices and retail spaces.



Available in 1500, 1200, 900 and 600 lumen

Variants

General description

GreenLEDi range is a breakthrough offering which combines modern product design, the latest LED technology and reliable heat management to deliver a long lasting efficient solution for offices and retail spaces. Offering substantial energy savings compared to CFL/halogen, good light quality, complete stylistic freedom and significant maintenance savings, the product is an ideal value for money replacement for conventional solutions.

Features

- 50%* energy saving
- 5 times more life over CFLs
- Long life of 40000* hours

Specifications	
Type	BBS170
Light source	Philips Rebel ES
Lumen output	850lm
Light color	5000K/4000K
Power consumption	15W
Voltage	170-270V AC 50 Hz
Optics	High efficiency optics with high reflective diffuser providing efficient glare free lighting
Driver	Non-integral constant current electronic driver with a gear tray
Color	White
Lifetime	40000 burning hrs. (At L70)

Features

- 50%* energy saving
- 5 times more life over CFLs
- Long life of 40000* hours

Specifications	GreenLEDi600 DN 191B	GreenLEDi900 DN192B	GreenLEDi1200 DN193B	GreenLEDi1500 DN194B
LED engine	DLED Micro	DLED Mini	DLED Compact	DLED Power
Lumen package	6500K - 650 4000K - 600 3000K - 600	6500K - 1000 4000K - 900 3000K - 900	6500K - 1200 4000K - 1100 3000K - 1100	6500K - 1650 4000K - 1500 3000K - 1500
CRI	>70	>70	>70	>70
CCT				
	Warm white: 3000K	Warm white: 3000K	Warm white: 3000K	Warm white: 3000K
	Neutral white: 4000K	Neutral white: 4000K	Neutral white: 4000K	Neutral white: 4000K
	Cool Daylight: 6500K	Cool Daylight: 6500K	Cool Daylight: 6500K	Cool Daylight: 6500K
Power (4000K)	10W	15W	18W	24W
Voltage	220V-240V/50,60Hz	220V-240V/50,60Hz	220V-240V/50,60Hz	220V-240V/50,60Hz
Driver	Constant current integrated driver	Constant current integrated driver	Constant current integrated driver	Constant current integrated driver
Optics	High quality diffuser	High quality diffuser	High quality diffuser	High quality diffuser
Cut-out size	Ø 88mm	Ø 135mm	Ø 135mm	Ø 172mm
Material	heat sink: die-cast	heat sink: die-cast	heat sink: die-cast	heat sink: die-cast
	diffuser: High Efficiency	diffuser: High Efficiency	diffuser: High Efficiency	diffuser: High Efficiency
	reflector: PC	reflector: PC	reflector: PC	reflector: PC
	clip: steel	clip: steel	clip: steel	clip: steel
Installation	Spring Clip	Spring Clip	Spring Clip	Spring Clip



Variant

General description

Philips Sereno, a range of office luminaires with a wide range of optics specially designed to meet the highest standard of work place lighting. Sereno luminaires offer the latest technology for high comfort and optical efficiency in a miniature profile. Sereno is available in surface/suspended and wall mounted versions in a variety of dedicated optics such as D8 Mirrors, Opal Diffuser and indirect optics. Sereno offers the best combination of performance, energy efficiency, aesthetics and flexibility of designing.

Features

- Consistent light output
- Energy efficient
- Low maintenance
- Ultra flat light with only 47mm in height

Specifications	
Type	RC869 / SP824
Light source	Non- Replaceable LED boards (33x8) LED's
Lumen output	3275 lm
Light color	White
Power consumption	42W
Voltage	220-240V
Optics	High Efficiency OPAL Diffuser (OD) Transitivity > 87%
Gear	Constant Current Electronic Gear PF > .9 Efficiency > 85% THD < 25%
Material	• Extruded Aluminum Housing • CRCA Front frame with High efficiency Opal Diffuser
Color	White
Installation	• Directly Onto RCC Ceiling with the help of special accessories. • Suspended Through ZPS524 SMS

General description

PowerBalance is a premium LED luminaire which offers a comfortable working environment and at the same time complies with office lighting norms. It consumes significantly less energy while offering longer life, resulting in lower operational cost compared to traditional luminaires.

Features

- Consistent light output
- Long life of 50000* hours
- CRI >85

Specifications	
Type	PowerBalance
Light source	LED 31S , LED 40S
Lumen output	3100lm 4000lm
Light color	Neutral white: 4000K
Power consumption	38W/50W
Voltage	220V-240V AC 50Hz
Driver	Philips - Xitanium high voltage driver
Optics	Smart pyramid optics made out of anti-static plastic reflector with diffuser
Material	CRCA housing with metal rim with anti-static plastic reflector (extreme high reflectivity)
Color	White
Lifetime	50000 burning hrs. (At L70)
CRI	>85



General description

FullGlow is a beautifully designed luminaire which is bound to delight the occupants with refreshing and comfortable experience through its pure form and glare-free light. It comes in two versions - standard and high efficiency version. With upto 30%* energy savings and maintenance free operation, this product is an owner's delight. This luminaire conforms to key quality demands of office lighting (UGR< 19, L65 <1000 cd/m², Ra= 80 at CCT 4000°K and 6500°K).

Features

- >30%* energy saving
- Maintenance free
- Long life of 50000* hours
- CRI = 80/70

Specifications		
Type	FullGlow Standard	FullGlow High efficiency
Light Source	MIDFLUX LED	MIDFLUX LED
Lumen OP	2600	3100
Light Color	4000K/6500K	4000K/6500K
Power Consumption	40W	40W
Voltage	220-240V AC, 50/60 Hz	220-240V AC, 50/60 Hz
Driver	Electronic In-Built PF > .9 , THD < 33% , IEC Compliant for Safety , Performance & EMI	Electronic In-Built PF > .9 , THD < 33% , IEC Compliant for Safety , Performance & EMI
Material	Housing : Metallic CRCA powder coated body Diffuser : high efficiency opal diffuser	Housing : Metallic CRCA powder coated body Diffuser : high efficiency Lumio Diffuser
Installation	Recessed	Recessed
Color	White	White
CRI	80/ 70	80/ 70

General description

Cirrus is an office general lighting solution which offers excellent energy saving and maintenance-free operation. This luminaire has a slim design which is suitable for recessed mounted application for office spaces. Powered by a long lasting LED light source and high efficiency optical system, this luminaire offers uniform and uninterrupted lighting.

Features

- 45%* energy saving
- Long life of 50000* hours
- Uniform illumination
- CRI >80

Specifications	
Type	CIRRUS 43W
Light source	Mid flux LED
Lumen output	3300lm
Light color	Neutral White -4000K/ 5000K
Power consumption	43W
Voltage	220-240V AC 50 Hz
Driver	Constant current driver
Optics	High efficiency powder coated reflectors and high transitivity opal diffuser cover
Material	Powder coated CRCA housing CRCA front frame.
Color	Grey / white
CRI	>80



General description

Office lighting should be advanced, energy efficient and one which complements interiors. GreenSquare, Philips LED luminaire, is specially developed to meet all such office requirements. It consumes significantly less energy and offers longer life, resulting in lower operational cost*. GreenSquare LED solution offers an attractive TCO over conventional solutions.

Features

- 40%* energy saving
- Long Life of 40000* hours
- Maintenance free
- Eco-friendly

Specifications

Type	RC104B
Light source	Mid flux LED
Lumen output	2900lm
Light color	6500K
Power consumption	39W
Voltage	220V-240V AC 50Hz
Driver	Constant current electronic driver
Optics	Diffused
Material	CRCA housing, polycarbonate diffuser
Color	White
CRI	>70



General description

LumiStone is a LED luminaire consisting of two smaller ellipses rather than the traditional single voluminous piece. The ellipses have soft curvatures and resemble smooth stones found in nature. The flexible light effects created with direct and indirect light make LumiStone the perfect choice for inspiring lighting designs. With cutting-edge LED technology, LumiStone is also highly energy-efficient, delivering immediate savings on operational costs. A range of innovative mounting options make LumiStone extremely versatile in application.

Features

- Consistent light output
- Long life of 50000* hours
- CRI >80

Specifications

Type	SP520P /SP524P/ SP522P /SP526P
Light Source	Non replacable LED module
Lumen output	2000 /4000 Lumen
Light Color	3000K / 4000 CCT
Power Consumption	30W & 40W
Voltage	220-240V AC 50 Hz
Driver	Constant current driver along with option for DALI dimmable driver
Optics	1. Direct lighting 2. Combination of direct and indirect lighting
Material	Polycarbonate housing
Installation	Suspended
Color	White
Lifetime	50000 Burning Hrs (At L70)
CRI	>80

Stratus



General description

Stratus is a suspended up-down LED lighting luminaire. It seamlessly integrates with the interior of your office with its end to end mounting features.

Features

- Consistent light output
- Maintenance free
- CRI >80
- Long life of 50000* hours

Specifications

Type	Stratus Pendent Mounted
Light Source	MIDFLUX LED
Lumen OP	4400 lm (3300lm UP / 1100lm DN)
Light Color	4000K/5000K
Power Consumption	54W
Voltage	220-240V AC, 50/60 Hz
Driver	Electronic In-Built PF > .9 , THD < 20% , IEC Compliant for Safety, Performance & EMI
Material	Housing : Extruded Aluminium Diffuser : high efficiency opal diffuser
Installation	Pendent Mounted
Color	Grey/White
CRI	>80

Arcus



General description

Arcus is a suspended LED Luminaire which gives freedom to create installation beyond the general norm. Arcus can be easily connected in grids, end to end and at an angle of 90 and 120 degrees. This high efficiency luminaire is suitable for both Office and Retail applications.

Features

- Up to 50%* energy saving
- Maintenance free
- CRI >80
- Long life of 50000* hours

Specifications

Ceiling Type	Pendent Mounted
Light source	MIDFLUX LED
Wattage	15W & 24W
Luminous Flux	1280Lm & 2000Lm
Color Temperature	6500K
Efficacy Lm/w	> 70 Lm /w
CRI	>70
Mains Voltage	220-240v , 50/60 Hz
Material	Housing : AL Extruded channel diffuser : PC clear + PC white
Color	Silver Grey End Caps + Silver anodized AL body
Installation	Suspension Mounting with the help of aircraft Cable

DayWave



General description

Philips DayWave represents a milestone in design of office luminaires that makes your office really stand out. DayWave is designed to create an ambience that is inspirational, pleasant to work in, as well enhancing wellbeing and performance. The natural rhythm of the waves of light can be combined flexibly to suit a variety of office spaces. An intuitive lighting control enables office users to adjust light output and tone to their personal taste.

Features

- Breakthrough and unique design
- Consistent light output
- Long life of 50000* hours

Specifications	Dynamic BPS800	Mono Color BPS800
Light source	Warm white/Cool white Version: 2x96xLED-HP	Neutral white version: 96xLED-HP Warm white version: 96xLED-HP
Light color	3000-5500K (3000-5500)	Warm white: 3000K (3000) Neutral white: 4000K (4000), on request
Indirect blue light (BLL)		Note: indirect blue light can only be used when the white light is switched off
Luminous flux	Acrylic cover(AC-MLO): 3400lm(3000K) 4450lm(4000K) 4300lm(5500K) Polycarbonate cover(PC-MLO): 3800lm(3000K) 4900lm(4000K) 4750lm(5500K)	Acrylic cover (AC-MLO): 3400lm (3000K) 3950lm (4000K) Polycarbonate cover (PC-MLO): 3800lm (3000K) 4400lm (4000K)
Power requirement	100-240V AC, 50/60Hz	
Optics	Micro-lens optic (MLO)	
Installation	Suspended: Individual or in line Suspended mounting with a set of two suspension tubes, 150 cm per luminaire (can be sawn to right length on site)	
Material	Housing: extruded anodised aluminium, finishing brushed (BRU), polished (POL) or white (WH) End-caps and suspension tubes: extruded anodised aluminium finishing brushed with polished front end (BRU), polished (POL) or white (WH) Cover: acrylic (AC-MLO) or polycarbonate (PC-MLO), micro-lens optic Ceiling unit: aluminium	
Classification	Class I, IP20, CE, ENEC	
Control interface	Dimming by DALI	
Remarks	Lighting controls to be ordered separately. Suspension set delivered with luminaire. Housing shapes: curved up (H-UP), curved down (H-DN)	
Lifetime	50,000 burning hrs. (At L70)	



General description

These LED downlights with superior aesthetics and build quality suitable for applications that require a green general lighting solutions for instance in offices, shops, hotels and hospitals. Their extremely low power consumption results in significant energy savings compared with traditional CFL downlights.

Features

- 50%* energy saving
- Long life of 50000* hours
- Good color rendering

Specifications				
Type	LuxSpace Micro BBS478	LuxSpace Mini BS488/489	LuxSpace compact BBS498/499	Luxspace Compact Power BBS496
Light source	DLED Micro	DLED Mini	DLED Compact	DLED Compact Power
System lm output	560lm (3000K) 620lm (4000K)	1000lm (3000K) 1100lm (4000K)	2000lm (3000K) 2200lm (4000K)	2750 (3000K) 3100 (4000)
System Power consumption	8W	13W	28W	40.5W
System performance*	68lm/W(3000K) 75lm/W (4000K)	74lm/W(3000K) 81lm/W (4000K)	72lm/W(3000K) 80lm/W (4000K)	70lm/W(3000K) 78lm/W (4000K)
Lifetime	50k hours (L70)	50k hours (L70)	50k hours (L70)	50k hours (L70)
CCT	3000K / 4000K	3000K / 4000K	3000K / 4000K	3000K / 4000K
RA	>80	>80	>80	>80
Driver/control	Fixed and dimmable	Fixed Dimmable (DALI)	Fixed Dimmable (DALI)	Fixed Dimmable (DALI)
IP	Option of IP54 Version	Option of IP54 Version	Option of IP54 Version	Option of IP54 Version
Accessories	Glass disk with frosted inner part in suspended position SG-FRC Frosted-glass halo ring in suspended position SG-HR-FR Opal glass in suspended position SG-O			



General description

Philips MASTER LED MR16 dimmable lamp integrates leading high power LED light source and compact high efficiency driver into a traditional halogen form factor. It is ideal for applications including track lighting, general architectural and landscape lighting.

Features

- Low energy consumption: 7/7.2 W / 50 W (12 V)
- Air movement mechanism (unique air flux technology enabling 30%* higher efficiency)
- Retrofittable with low-voltage MR16 halogen lamps with GU5.3 socket

Product description	Watt	Socket	Beam intensity (cd)	Beam angle	Lifetime (hours)	Lumens output	Color Rendering Index	Color Temp.	Dimmable
MASTER LED 7-50W 2700K MR16 15D Dim	7	GU5.3	2900	15	40,000	380	>80	2700	Yes
MASTER LED 7-50W 3000K MR16 15D Dim	7	GU5.3	3150	15	40,000	420	>80	3000	Yes
MASTER LED 7-50W 4000K MR16 15D Dim	7	GU5.3	3250	15	40,000	440	>80	4000	Yes
MASTER LED 7-50W 2700K MR16 24D Dim	7	GU5.3	2100	24	40,000	420	>80	2700	Yes
MASTER LED 7-50W 3000K MR16 24D Dim	7	GU5.3	2200	24	40,000	440	>80	3000	Yes
MASTER LED 7-50W 4000K MR16 24D Dim	7	GU5.3	2350	24	40,000	470	>80	4000	Yes
MASTER LED 7-50W 2700K MR16 36D Dim	7	GU5.3	1200	36	40,000	420	>80	2700	Yes
MASTER LED 7-50W 3000K MR16 36D Dim	7	GU5.3	1250	36	40,000	440	>80	3000	Yes
MASTER LED 7-50W 4000K MR16 36D Dim	7	GU5.3	1300	36	40,000	470	>80	4000	Yes
MASTER LED 7.2-50+W 2700K MR16 24D Dim	7.2	GU5.3	2400	24	40,000	500	>80	2700	Yes
MASTER LED 7.2-50+W 3000K MR16 24D Dim	7.2	GU5.3	2500	24	40,000	510	>80	3000	Yes
MASTER LED 7.2-50+W 2700K MR16 36D Dim	7.2	GU5.3	1300	36	40,000	500	>80	2700	Yes
MASTER LED 7.2-50+W 3000K MR16 36D Dim	7.2	GU5.3	1350	36	40,000	510	>80	3000	Yes

NovaGlow E14 Candle



General description

Philips NovaGlow E14 CANDLE integrates a high power LED light source with a unique lotus lens design for sparkling effect. It can replace up to 20W GLS candle.

Features

- Standard GLS Candle form factor
- Ultra Energy efficient, replacement up to 20W GLS
- Available in 4W
- 20,000* hours average life time
- No external driver is required
- No mercury, UV and IR
- RoHS complaint
- CCT: 2700K
- Dimmable

Product description	Wattage	Socket	Lifetime (hours)	Lumens output	Efficiency lm/W	Color Rendering Index	Color Temp.	Dimmable
Master LED 4W- E14 2700K 230W B35 CL DIM	4	E14	20,000	250	62	>80	2700	Yes

Master LED 4W- E14 2700K 230W B35 CL DIM

*Conditions apply



Sultan and Prince LED bulb 7,12 & 13W

General description

Premium LED bulb providing high quality of light with less energy consumption and long life.

Features

- Ultra energy efficient replacement up to 75W GLS
- 25,000* hours average life time
- No mercury, UV and IR
- RoHS compliant
- CCT: 2700K
- Dimmable

Product description	Wattage	Socket	Beam angle	Lifetime (hours)	Lumens output	Color Rendering Index	Color Temp.	Dimmable
I2-60W 2700 E27	12	E27	310	25,000	806	80	2700	Yes
7-40W 2700 E27	7	E27	310	25,000	470	80	2700	Yes
7-40W 2700 B22	7	B22	310	25,000	470	80	2700	Yes
I3-75W 2700 E27	13	E27	310	25,000	1055	80	2700	Yes

I2-60W 2700 E27

7-40W 2700 E27

7-40W 2700 B22

I3-75W 2700 E27

Master LED GU10



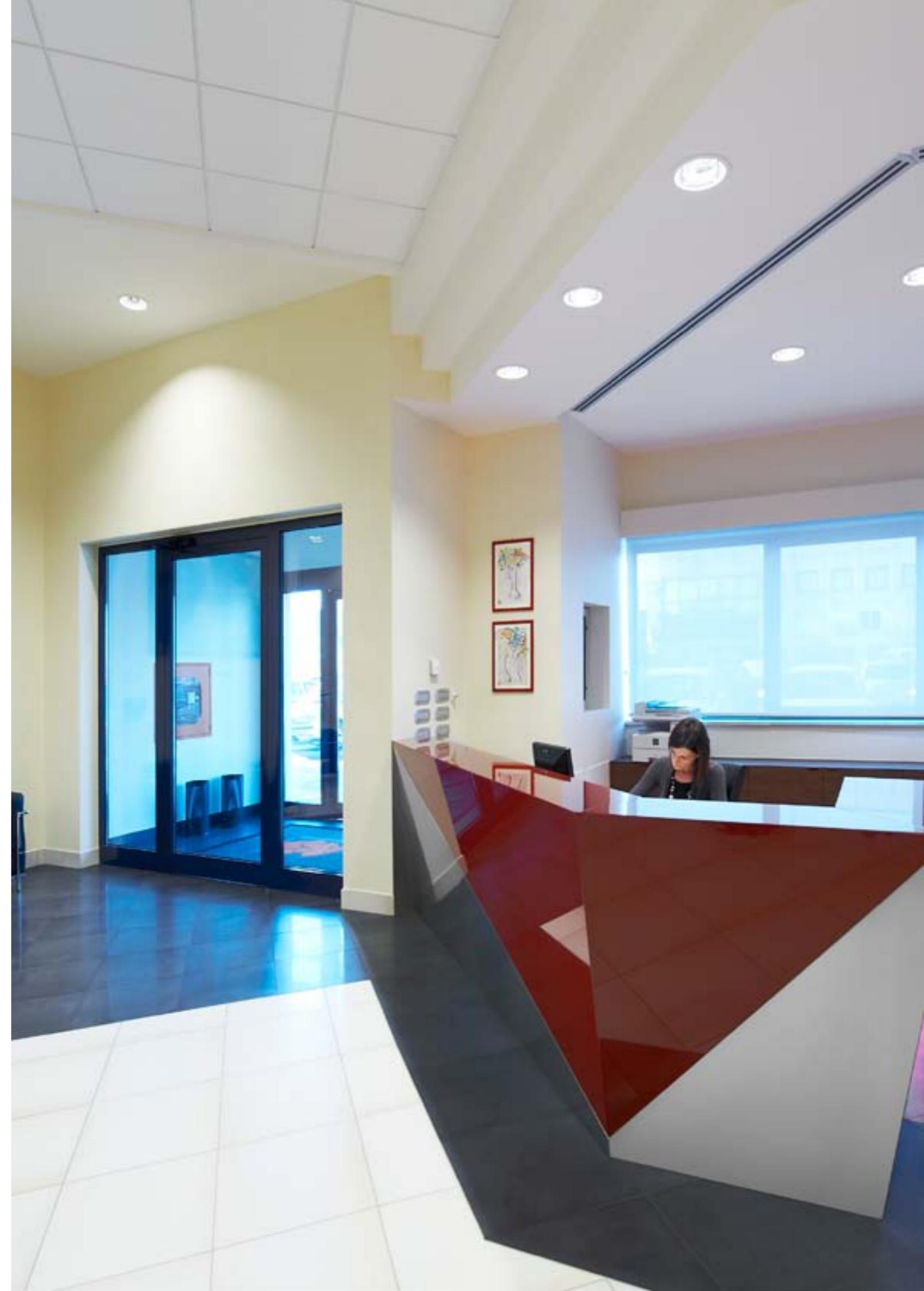
General description

Efficient accent lighting is now possible with GU10 MASTER LED lamp. With no heat, UV or IR in the beam, it outperforms halogen lighting in terms of lighting while saving on energy and maintenance costs.

Features

- Low energy consumption: 6W/50W (230V -240V)
- Long life of 40,000* hours
- Clearly defined beam spread
- UV- and IR-free light for less heat and protection for heat-sensitive objects

Product description	Watt	Socket	Beam intensity (cd)	Beam angle	Lifetime (hours)	Lumens output	CRI	Color Temp.	Dimmable
Master LEDspotMV 6-50W GU10 2700K 25D	6	GU10	1100	25	40,000	300	>80	2700	No
Master LEDspotMV 6-50W GU10 3000K 25D	6	GU10	1100	25	40,000	320	>80	3000	No
Master LEDspotMV 6-50W GU10 4000K 25D	6	GU10	1100	25	40,000	320	>80	4000	No
Master LEDspotMV 6-50W GU10 2700K 40D	6	GU10	600	40	40,000	300	>80	2700	No
Master LEDspotMV 6-50W GU10 3000K 40D	6	GU10	600	40	40,000	320	>80	3000	No
Master LEDspotMV 6-50W GU10 4000K 40D	6	GU10	600	40	40,000	320	>80	4000	No



LEDs in industry

We believe in energy-efficient lighting solutions for industry that reduce environmental impact and save on cost, at the same time improve quality and productivity.



A greener and more efficient future

Manufacturers and industrial leaders face mounting challenges in today's economic environment. Increased competition from outsourcing, just-in-time inventory demands, heightened government regulations and shrinking operations budgets are only a few of the issues testing industry. The pressure is on for industrial facilities to perform better and more reliably to meet their quality targets, customer expectations and financial goals. Efficient lighting can help manufacturers in saving on energy cost while meeting their sustainability goals.



Production areas

A properly illuminated environment can help reduce production errors, while adaptable lighting systems ensure the right light is available for specific tasks, even when production cells are reconfigured. With lighting solutions that fit the tasks at hand, the quality of output can improve so that production errors and accidents drop. Lighting solutions from Philips offer long life and better light output, meaning better conditions on the production floor.



GreenPerform
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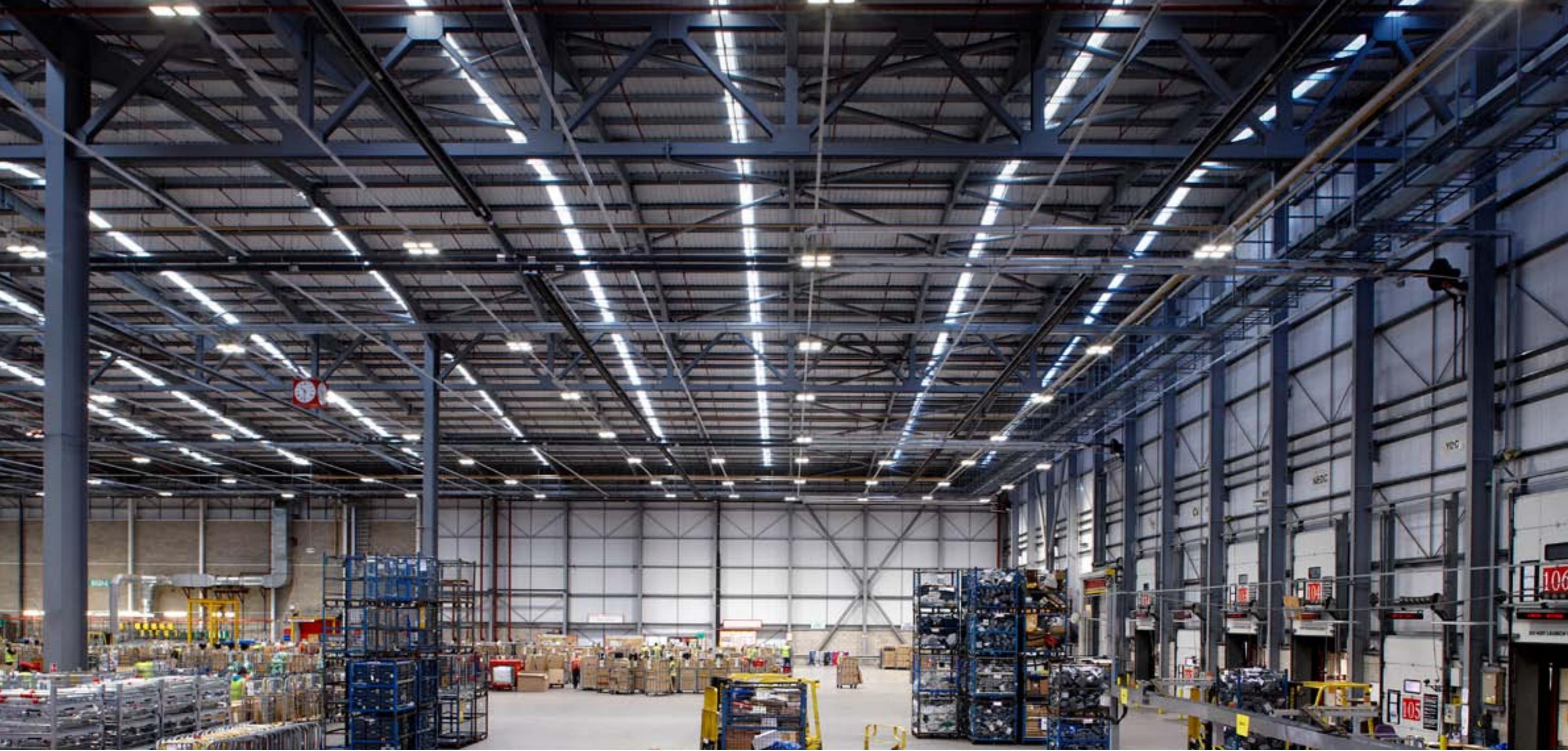
Maxolid
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GreenBay
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EnduraLED well glass
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Warehouses

Better work environments can elevate worker motivation and increase their productivity. By reducing energy loads and waste, new energy efficient lamps and fixtures can help companies save money on energy and maintenance. Philips lighting solutions for the industrial warehouses can help you meet those expectations, reducing costs while driving quality and efficiency.



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Maxolid
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Essential LEDtube
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GreenBay
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Royal Mail NDC
Daventry, UK



"The highly energy efficient LED technology delivers huge energy savings, reduces CO2 consumption and minimises maintenance costs without any compromise on light quality."

- Mr. Mark Cavill, Energy & Building Engineering Services Manager at Royal Mail

Customer requirement

Establish a lighting scheme that was sensitive to the operational needs of the building, making sure the working environment for staff was enhanced by the lighting installation, delivering the benefits of LED technology without compromising on light quality.

What Philips offered



GentleSpace LED Highbay

Results

- Minimized energy consumption with LED lighting.
- Flat design of the luminaire saves space at the top of the building, leaving room for e.g. sprinkler installations.
- Maintenance free operation.
- Long life.

**East India
Commercial Co.**
Andhra Pradesh, India



"We evaluated different players for LED lighting and chose Philips because they are the best. I am in love with Philips products & if it is meeting my requirement, there is no reason to divorce."

- Brij Gopal Lunani, Managing Director - East India Commercial Company

Customer requirement

Energy efficient lighting for upgrading existing lighting.

What Philips offered



Philips Essential LEDtube

Results

- Energy savings
- Maintenance free operation
- Eco friendly



PPS Detva
Detva, Slovakia

"The company PPS Group a.s. located in Detva (Slovakia) is aware of its responsibilities for the environment. A new lighting installation was therefore chosen to help to reduce the impact of such a production engineering environment. Philips LED technology has enabled us to ensure efficiency in our lighting installation, not only in operational and maintenance cost savings, but by blowing a fresh wind into the production engineering floor."

- Pavol Šimkovic, CEO of PPS Group Inc.

Customer requirement

Avoid environmental pollution by using the best resources available. At the same time increase the overall safety of employees. Also reduce operating costs.

What Philips offered



GentleSpace Highbay lighting

Results

- Energy efficient lighting.
- Good lighting levels.
- Pleasant working environment.
- Maintenance friendly operation.

Essential LEDtube

Also used in
Retail



General description

Philips Essential LEDtube integrates LED light source with frosted cover design into traditional linear fluorescent form while consuming only 20W and offers energy saving upto 50%.

Features

- Attractive payback
- No glare discomfort and uniform light distribution
- No external driver required
- Lifetime of 30000* hours

Product description	Wattage	Operating voltage	Cap	Length (mm)	Beam angle	Lifetime (Hrs)	Lumen output (Lm)	Color temp. (K)	CRI*
Essential LEDtube 1200mm 20W840 T8	20	140-280V	G13	1200	160	30,000	1600	4000	80
Essential LEDtube 1200mm 20W865 T8	20	140-280V	G13	1200	160	30,000	1600	6500	80
Essential LEDtube 600mm 10W840 T8	10	140-280V	G13	600	160	30,000	800	4000	80
Essential LEDtube 600mm 10W865 T8	10	140-280V	G13	600	160	30,000	800	6500	80



General description

Philips Master LEDtube incorporates frontier LED chips and provides >100 lumen/watt. It provides very high energy savings >50%* v/s conventional products.

Features

- Attractive payback with high efficacy
- No glare discomfort and uniform light distribution
- No external driver required
- Lifetime of 40000* hours

Product description	Wattage	Operating voltage	Cap	Length (mm)	Beam angle	Lifetime (Hrs)	Lumen output (Lm)	Color temp. (K)	CRI*
Master LEDtube 1200mm 16W840 T8	16	140-280V	G13	1200	150	40000	1600	4000	83
Master LEDtube 1200mm 16W865 T8	16	140-280V	G13	1200	150	40000	1600	6500	83
Master LEDtube 1200mm 20W840 T8 I	20	140-280V	G13	1200	150	40000	2100	4000	83
Master LEDtube 1200mm 20W865 T8 I	20	140-280V	G13	1200	150	40000	2100	6500	83
Master LEDtube 600mm 20W840 T8 I	10	140-280V	G13	600	150	40000	1050	4000	83
Master LEDtube 600mm 20W865 T8 I	10	140-280V	G13	600	150	40000	1050	6500	83

Master LEDtube

Also used in
Retail



General description

GreenBay is an integrally designed, versatile lighting solution from Philips to address different lighting requirements within industrial spaces. From under canopies to truss mounted medium bay luminaires, GreenBay can be used across recessed or suspended mounted applications.

Features

- >40%* energy saving
- Long life
- Maintenance free
- Eco-friendly

Specifications				
Type	BY 400V LED70S CW SK PSU SI FG WH	BY 400V LED70S CW AK PSU SI FG WH	BY 400V LED I35S CW SK PSU SI FG WH	BY 400V LED I35S CW AK PSU SI FG WH
Optics	Symmetric	Asymmetric	Symmetric	Asymmetric
System wattage	80	80	165	165
Lumen output	7300	7100	13600	13600
System efficacy	91	89	82	82
Color temperature	5700k			
CRI	Typical 70			
IK rating	N/A			
IP	IP 65			
Housing	High pressure die cast aluminum			
Cover	Tempered glass			
Mounting	Universal with dedicated mounting KITS			
THD	≤ 20%			
PF	>0.9			
Operating voltage range	120V-277V			

General description

Maxolid Highbay is an intelligent, direct HID highbay replacement which saves 50%* energy Vs conventional industrial highbay. The inbuilt intelligence through DALI compatibility enhances the energy saving potential as a result of daylight harvesting and occupancy sensing.

Combining the best features like instant start, long life, controllability and high efficacy, Maxolid provides significant and sustained energy savings over the product life cycle.

Features

- System efficacy >100lm/W
- Luminaire housing made of high pressure die cast AL
- Installation possible with hook or threaded rod.
- Dedicated optics provide precise symmetric light distribution

Specifications	
Type	BY688P
Optics	NB and WB
System wattage	140
Lumen output	14000
System efficacy	100
Color temperature	4000K, 6500 K
CRI	>80
IK rating	N/A
IP	IP 65
Housing	High pressure die cast aluminum
Cover	Tempered glass
Mounting	Pipe / Threaded rod**
THD	<20%
PF	>0.95
Operating voltage range	120V-277V

EnduraLED Waterproof



General description

EnduraLED Waterproof is a reliable and affordable LED Waterproof system that delivers upto 40%* energy savings compared to conventional lighting products. The reliable and robust housing structure helps to maximize inherent LED advantage of energy saving combined with long life.

Features

- System efficacy >80lm/W
- Housing and cover made of virgin polycarbonate
- Installation possible with conduit / pipe/ surface mounting
- Dedicated optics provide precise symmetric light distribution
- L70 50K lifetime
- SDCM <3.5

Specifications	
Type	WT550C LED355 CW PSU SI PC
Optics	Symmetric
System wattage	42W
Lumen output	3500 lm
System efficacy	83
Color temperature	6500 K
CRI	>80
IK rating	N/A
IP	IP 65
Housing	Virgin Polycarbonate
Cover	Virgin Polycarbonate
Mounting	Surface / Suspended
THD	< 10%
PF	>0.95
Operating voltage range	140V-270V AC



General description

Innovative LED based well glass luminaire for direct replacement of 70W HPSV conventional fixtures. EnduraLED has the potential to save > 40%* energy without on compromising lighting parameters.

Features

- >40%* energy saving
- Complies with IP 66 ingress protection
- IK08

Specifications	
Type	BY200P LED 27S CW PSU SI PC
Optics	Symmetric
System wattage	42W
Lumen output	2700 lm
System efficacy	64
Color temperature	6500 K
CRI	>80
IK rating	IK80
IP	IP 66
Housing	High pressure die cast aluminum
Cover	Polycarbonate
Mounting	Dedicated mounting bracket
THD	< 10%
PF	>0.95
Operating voltage range	140V-270V

EnduraLED- Well glass



General description

Presenting an innovative and reliable LED solution that fits seamlessly in a variety of applications. This luminaire can be installed as ceiling mounted and wall mounted. It serves as a simple energy efficient alternative to CFL/incandescent bulkhead luminaires.

Features

- Complies with IP 66 ingress protection
- Long life of 50000* hours
- IK09 compliant



General description

GreenPerform LED batten is an innovative solution for conventional twin lamp battens. It is designed to be a direct replacement for conventional battens providing energy savings of more than 30% with no compromise on lighting performance. Integrally designed and developed by Philips, this product provides seamless adoption towards industry leading technology.

Features

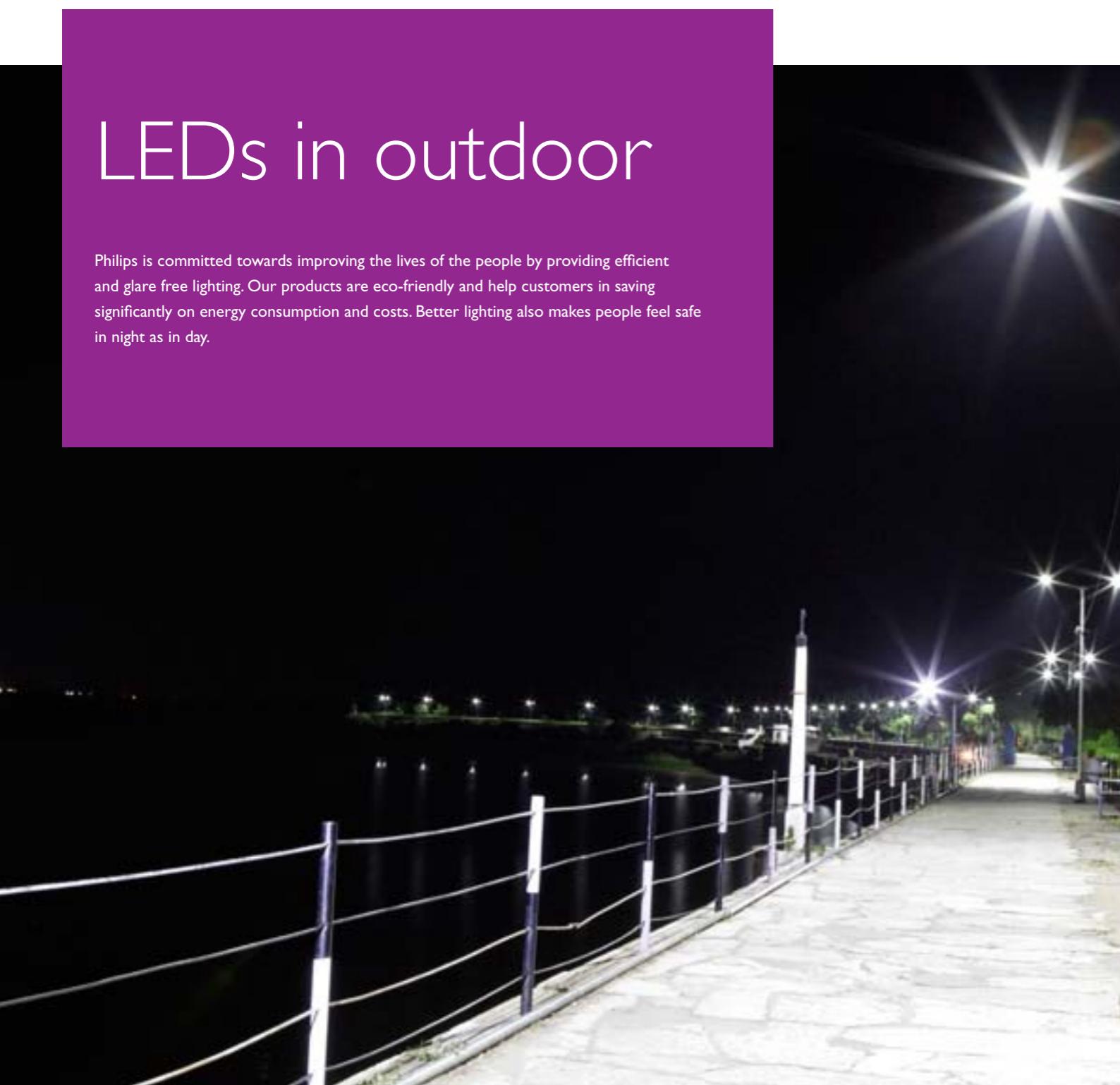
- 30%* energy saving
- Efficacy > 90lm/W
- Long life of 50000* hours
- Maintenance free

Specifications	
Type	WT202W LED6S CW PSU SI PC
Optics	Symmetric
System wattage	10W
Lumen output	600 lm
System efficacy	60
Color temperature	6500 K
CRI	>80
IK rating	IK 09
IP	IP 66
Housing	High pressure die cast aluminum
Cover	Polycarbonate
Mounting	Surface
THD	< 20%
PF	>0.9
Operating voltage range	120V-277V AC

Specifications	
Type	BN 208C (Standalone)
Optics	Symmetric
System wattage	40W
Lumen output	4000 lm
System efficacy	100
Color temperature	3000K, 4000K, 6500 K
CRI	>80
IK rating	N/A
IP	IP 20
Housing	CRCA sheet steel
Cover	Frosted acrylic
Mounting	Mounting bracket extra
THD	< 10%
PF	>0.95
Operating voltage range	140V-270V AC

LEDs in outdoor

Philips is committed towards improving the lives of the people by providing efficient and glare free lighting. Our products are eco-friendly and help customers in saving significantly on energy consumption and costs. Better lighting also makes people feel safe in night as in day.



Lighting a greener urban future

The landscape of the lighting industry is changing fast. The energy-efficiency imperative, legislative pressures such as Kyoto and the world of possibilities opened up by the LED revolution are all having a positive influence on our lighting choices. We're spreading the word under our theme of Sustainable Cities. It is our way of helping urban authorities to reduce energy consumption so they can lower CO₂ emissions and improve the quality of life in their towns and cities.

Solutions for upcoming legislative needs

This period of financial and energy challenges is the time to look for new approaches. Cities and boroughs need to think ahead and introduce new lighting solutions into their future lighting projects. Modern lighting concepts will enhance the whole cityscape and the results will benefit residents and guests alike. Philips has a wide range of low-maintenance, high-quality products that are at the leading edge of outdoor lighting. What follows is only a selection. For more lighting products go to www.philips.com/lighting



Architectural lighting

Recognizing landmarks is an important step in developing a comprehensive approach to urban environments. Lighting a building, monument or architectural feature contributes to the identity of a place. Whether you are working on a single building or an entire master plan, Philips Lighting has state-of-the-art technologies and solutions, backed up by more than a century of lighting application expertise.



Color Graze
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Color Blast TR
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Color Reach Powercore
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Color Burst 6
Page 210



City centers

Lighting plays a central role in how people feel about their city, town or village. That is why the illumination of streets and pedestrian areas has evolved from simple functional lighting into a more demanding and creative discipline. Not only is light required so that people can drive, cycle and walk safely, it must be pleasing and inviting too. It should promote communication and wellbeing, encourage night-time socializing and complement night life. But luminaires also have an important architectural role. During the day they become an integral part of the street scene. Our range of architectural street luminaires are designed keeping this in mind, giving you a winning blend of performance and style.



LED Post-top
Page 118



LED Bollard II
Page 122



Roadstar
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GreenLine
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Residential areas

For many years, residential lighting has been purely functional. Although safety, security and orientation are still essential, there is an ever growing need to improve quality of life and creating a pleasing identity for these areas through better lighting.



LED Post-top
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LED Bollard II
Page 122



LED Step-light
Page 119



LED Wall mount
Page 120



Roads and transport

With more than one hundred years of experience and expertise in the field of road lighting, we are in an ideal position to analyze market trends and create appropriate solutions. We apply technological innovation to the design and development of the road lighting products of the future, to meet the wishes and needs of our customers.



Roadstar
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GreenLine
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Solar LED Street lights
Page 109



GreenLine Xtra
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India Gate

New Delhi, India



"I must say that a lot of thought has gone into designing the lighting architecture at India gate. The lighting now is brighter, lighter and whiter. It is evenly disbursed, soothing and is not glaring which gives a happy look. I compliment Philips lighting team for this wonderful job."

- Dr. Sudhir Krishna, I.A.S.
Secretary - Ministry of Urban Development, Govt. of India

Customer requirement

Lighting solution which brings out the beauty of the national monument and at the same time saves energy.

What Philips offered



CDM lamp
ColorKinetics



ColorBlast
LED luminaires

Results

- Brighter, whiter and smoother light.
- Improved visual comfort.
- Energy efficient lighting.
- Long life.



“Naya Raipur will be a green city. Street lighting is one of the most important things while planning any city. Philips LED street lights are providing better, more soothing white light & also have low operational costs as compared to conventional solutions. Combined with lighting control, we can now remotely control timers, control light dimming and can also get information about faults. We are very satisfied with Philips LED lighting and the way the team has executed this project.”

- Mr. Salil Shrivastava, Chief Engineer, Naya Raipur Development Authority

Customer requirement

LED street lights for lighting up roads within the perview of NRDA.

What Philips offered



GreenLine Xtra LED Street light



AmpLight Controls

Results

- 50%* energy savings.
- Long life of 50000* hours.
- IP66 Protection.
- AmpLight controls providing real time remote monitoring & control.
- Energy savings through dimming / time schedules.

Municipal Council
Rajsamand, Rajasthan
India



"We wanted to shift to LED lighting as it is environment friendly and provides energy savings. Philips LED street lights have enhanced the look and feel of areas around Rajsamand Lake. People are feeling safer with Philips LED lighting and are not afraid to visit the lake even during late night. Money saved as a result of energy savings provided by Philips LED street lights, can now be spent on other developmental activities in the area."

- Mrs. Asha Paliwal, Chairperson, Municipal Council, Rajsamand

Customer requirement

LED street lights for lighting up areas around Rajsamand lake and important junctions within the town.

What Philips offered



GreenLine LED Street light

*Conditions apply

Results

- 50%* energy savings.
- Long life of 50000 hours.
- IP65 Protection.

**City Centre
Terneuzen,
The Netherlands**



"Thanks to floodlighting and other lights using LED, colors and details can now really be seen. Even the bullet holes in the facade, which only older Rotterdammers knew were still there, are visible again."

- Marco de Boer, Primo Exposures

Customer requirement

Show the stunning architecture and history of the building in full glory.

What Philips offered



LEDline²



Proflood

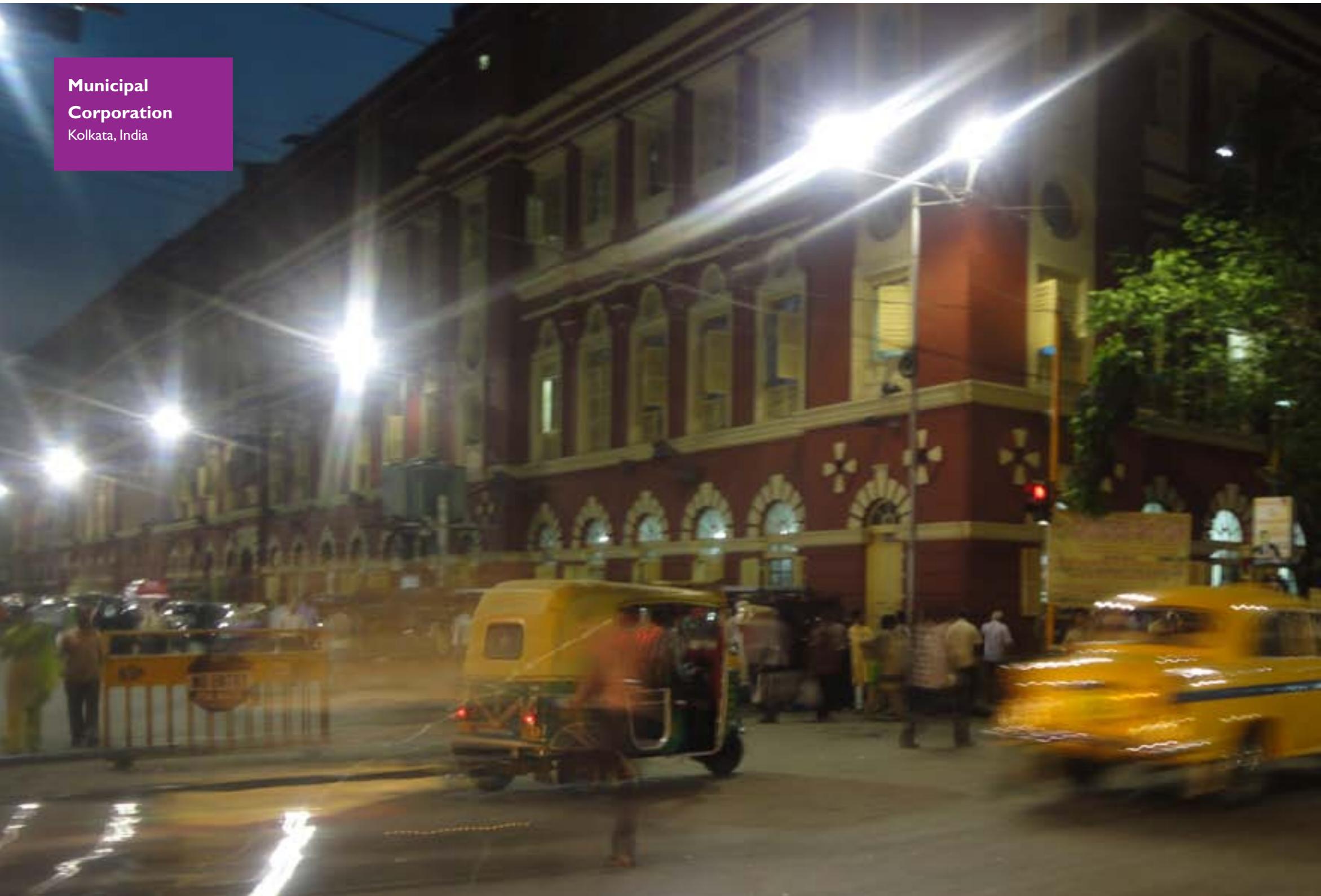
LEDline2 and Proflood LED luminaires

Results

- Energy efficient LED lighting.
- Better light levels.
- Low maintenance.



**Municipal
Corporation**
Kolkata, India



“Philips Lighting partnered with Kolkata Municipal Corporation and the Climate Group to help municipal corporations understand practical ways in which they could make substantial cuts in urban emissions and savings on energy from street lighting.”

- Aditi Dass, The Climate Group

Customer requirement

Lighting solution which uses latest LED technology and is energy efficient.

What Philips offered



RoadStar street lighting luminaires

Results

- Energy efficient LED lighting.
- Maintenance free operation.
- Better lighting.
- Long life.



**Municipal
Corporation**
Vijayawada, India



"We were looking at Solar street lighting solutions for a big housing colony being developed under JNNURM. Philips team approached us & showcased their range of solar lighting solutions. We have used Philips solar street lights in this housing colony & have also used their LED street lights for other roads. I'm happy that our city has been identified as a sustainable city particularly through use of LED street lighting solutions with energy consumption reducing by approx 30%. Philips has helped us in this journey."

- Mr. G Ravi Babu, I.A.S., Municipal Commissioner – Vijayawada

Customer requirement

LED lighting solution which offers energy savings.

What Philips offered



Solar LED street lights

Results

- Energy efficient LED lighting.
- Better light levels.
- Environment friendly.
- Long life.

**Haldia
Development
Authority**
Haldia, India



"High mast lighting we have done at important areas – focusing on junctions where there is lot of public movement. We are very happy with the lighting. Quality and service levels of Philips is very good and we will continue to work with Philips in future projects."

- Dr. P.Ulaganathan, I.A.S, CEO – Haldia Development Authority

Customer requirement

Lighting up of important junctions within Haldia town, where there is lot of public movement.

What Philips offered



ConTempo LED

Results

- High energy savings.
- Very good light distribution.
- Maintenance free operation.
- Long life.

DESIGN
REGISTEREDDESIGN
REGISTERED

Variant

General description

GreenLine Smart is completely maintenance free luminaire and ensures trouble free operation with the use of LED source and electronic driver. Specially designed polycarbonate cover reduces glare, spreads light evenly and is impact resistant. It is completely reliable for Indian conditions as it operates on a wide range of supply voltages. GreenLine Smart also has IP 65 protection with very high ingress protection against dust and water.

Features

- Aesthetically designed
- Up to 50%* energy saving
- Long life of 50000* hours
- Versatile applications
- IP 65 protection
- Complies to IEC 60598 and IS 10322
- High impact resistance due to Poly carbonate cover
- Meets IS 1944 lighting requirement for B2 category road

General description

Philips road lighting luminaire comes with 24 high power LEDs and extendable up to 48 high power LEDs, with unique peanut lens to ensure uniform distribution, higher spacing between poles and maintenance free system. With a life class of 50000 hrs (At L70), this luminaire also has excellent thermal management system.

Features

- Aesthetically designed
- Up to 50%* energy saving
- Long life of 50000* hours
- Versatile applications
- IP 65 protection
- Complies to IEC 60598 and IS 10322
- High impact resistance due to Poly carbonate cover
- Meets IS 1944 lighting requirement for up-to A2 / B1 category road and other smaller roads

Specifications

Type	BRP020
Light source	High Power LED
Lumen output from luminaire	1650lm
Color	Cool white
Power consumption	25W
Nominal Voltage	220V-240V
Driver	Integral
CRI	70
Mounting (OD)	32-40mm
Weight	1.0Kg.
Protection	IP 65, Class I

Due to continuous change in LED technology the above values might change.

Specifications

Type	GreenLine	GreenLine Duo
Light source	24 high Power LED	2x24 high Power LED
Lumen output from luminaire	3500lm	7000lm
Color	Cool white	Cool white
Power consumption	45W	90W
Nominal Voltage	220V-240V AC 50Hz	220V-240V AC 50Hz
Optics	Peanut optics	Peanut optics
Driver	Integral type	Integral type
CRI	70	70
Mounting (OD)	28-40mm	48-60mm
Weight	2.4Kg.	6.0Kg.
Protection	IP 65, Class I	IP 65, Class I

Due to continuous change in LED technology the above values might change.

GreenLine Xtra



General description

Philips new maintenance free LED luminaires with urban looks for city roads offering best in class energy savings. Existing luminaires can be easily upgraded to new LED technology with minimum changes in existing installation.

Features

- Aesthetically designed
- Up to 50%* energy saving
- Pressure die cast housing
- Long life of 50000* hours
- Options of cover Glass and poly carbonate cover
- IP 66 protection
- Meets IS1944 lighting requirement for A1 / A2 category road
- Complies to IEC 60598 and IS 10322
- Class I protection

Specifications

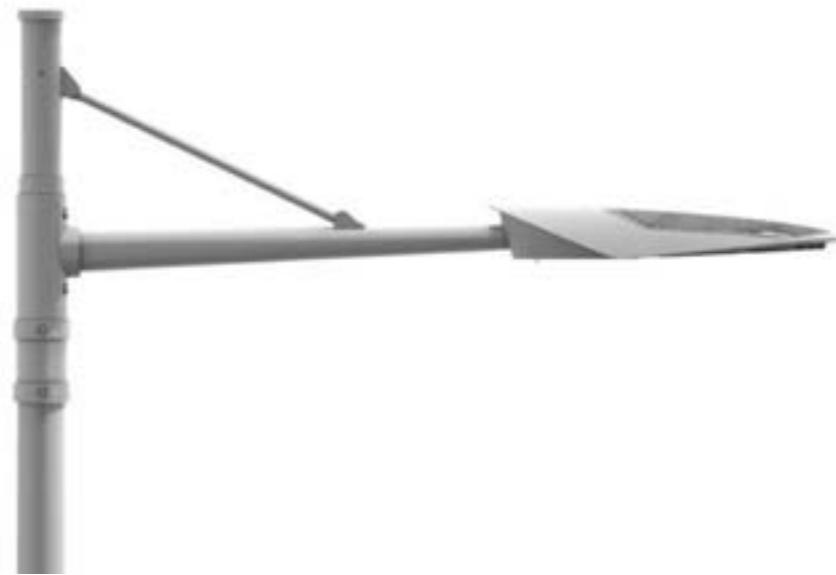
Type	BRP322
Light source	High Power LED
Lumen output from luminaire	7000-12500lm
Color	Cool white
Power consumption	80-140W
Nominal Voltage	220V-240V
Driver	Integral
CRI	70
Mounting (OD)	42-60mm
Weight	6.5Kg.
Protection	IP 66, Class I

Please get in touch with local Philips colleagues if you are looking for lighting up bigger roads, where lumen output required is higher than 12500lm

Due to continuous change in LED technology the above values might change.



Roadstar



General description

Philips Roadstar road lighting luminaire is dark-sky compliant using unique, sealed optics with vibration resistant design, offering better light control and uniformity with upto 8 times spacing between poles and maintenance free operation. With a life class of upto 70,000 hours, this luminaire also comes with excellent thermal management system.

Features

- High energy savings
- Consistent light output
- Long life
- Maintenance free

Specifications

Type	Roadstar
Light source	LED
Color	4000K
Lamp wattage (LED) range	40W-180W
System power range	45W-204W
Nominal voltage	220V-240V, 50Hz
Driver	Integral type
CRI	70
Mounting (OD)	60mm
Protection	IP 66, Class I

Due to continuous change in LED technology the above values might change.



Solar LED street light



Variants

General description

Sun is an inexhaustive, reliable, non-polluting source of power. Concerns over global climatic change, air pollution and resource scarcity make photo-voltaic (PV) an increasingly attractive energy supply technology. Combining solar energy with LEDs can provide efficient lighting solutions. Solar powered outdoor lighting products are ideal for lighting areas where electricity is unavailable or erratic. Even in urban areas, these products find great usage as they reduce dependency on conventional power and contribute towards green energy.

Features

- Self contained solution - light on/off controlled by automatic daylight sensing
- Independent power and light source
- No line voltage, trenching or metering
- No power outages
- IP65 luminaire ensures long lasting performance

Specifications

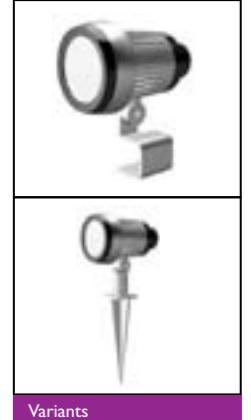
Type	BRP 202	BRP 020	BRP 402	BRP 403
System (W)	8W, 15W	12W, 15W, 20W	21W, 28W	43W
Lumen output	725lm, 1150lm	970lm, 1200lm, 1350lm	1800lm, 2300lm	3500lm
Battery (AH)	40, 80@12V,	60, 75, 100@12V	100@12V	100x2@12V
Panel (WP)	40, 80	60	100	100x2
Pole	4	4/5	5/6	7

Due to continuous change in LED technology the above values might change.

Tempo LED



LED Spot



Variants

General description

Philips Tempo LED is a general purpose LED flood lighting luminaire for various lighting applications, such as area lighting, sports lighting, bill board, facade, industry area, security lighting and other general applications. The Tempo LED flood light incorporates LED light sources, optical system, heat sink and drivers into one compact housing which ensures the LED's have a long life. Tempo LED takes advantage of the LED technology which provides energy savings and a longer lifetime, bringing area lighting into a new era.

Features

- Consistent light output
- Wall, ceiling and surface mounting with various adjustment
- Up to 50%* energy saving
- Long life
- Maintenance free

Specifications

Type	BVP410
Light source	High Power LED
Color temperature	Cool white (5700K)
Power consumption	80W-210W
Nominal voltage	240V AC, 50 Hz
System efficacy	>80 lm/W
Material	Pressure die cast aluminium
Gear	Integrated electronic driver
CRI	70
Protection	IP 65, Class I

General description

Philips LED spot lights are ideal for replacing conventional spot lights and provide accent lighting for a variety of applications. Easy to install, these products come with suitable mounting options like spike, clips & surface mounting.

Features

- Consistent light output
- Long life
- Maintenance free

Specifications

Type	BGP310	BGP311
Light source	3 High Power LED	3 High Power LED
Color	VW, CW, Red, Green, Blue, Amber	VW, CW, Red, Green, Blue, Amber
Power consumption	6W	6W
Nominal voltage	220-240V, 50 Hz	220-240V, 50 Hz
Optics	I2D/24D/36D	I2D/24D/36D
Driver	Integral type	Integral type
CRI	70	70
Protection	IP 65, IK08	IP 65, IK08
Mounting Accessories optional	SPIKE (ZGP311)	

Due to continuous change in LED technology the above values might change.



General description

Philips LED Uplite is easy to install and comes with ingress protection. This product comes with suitable mounting options for varied applications.

Features

- Consistent light output
- Long life
- Maintenance free

Specifications

Type	BBP330
Light source	9 High Power LED
Color	WW, CW, Green, Amber
Optics	I2D, 36D, 60D
Power consumption	15W
Nominal voltage	220V-240V, 50Hz
Driver	Integral type
Protection	IP 67, IK10
Accessories	Equipped with recess mounting box

Due to continuous change in LED technology the above values might change.



General description

AmphiLux surface and recess mounted spotlight range is designed to enhance outdoor social areas (gardens, terraces, fountains, waterfalls, etc.) with architectural lighting. AmphiLux is a family of LED spots featuring a stunning, sleek Italian design with a stylish chrome finish. These solutions can be used under water and in semi-wet and dry environments. Available in Micro, Mini and Compact sizes, this range offers a choice of dynamic white-light and colored-light versions for maximum flexibility in flood and accent lighting applications.

Features

- Consistent light output
- Maintenance free

Specifications

Type	BBD400 Micro (1 x LED, Mono color version) BBC400 Micro (1 x LED, Mono color version) BBD410 Mini (4 x LED, Mono and Dynamic color version) BBD420 Compact (12 x LED, Mono and Dynamic color version)	BVD400 Micro (1 x LED, Mono color version) BVD410 Mini (4 x LED, Mono and Dynamic color version) BVD420 Compact (12 x LED, Mono and Dynamic color version)
Light source	High power LED's	High power LED's
Power	Micro versions: 1.5 W Mini version (Mono color): 5 W Mini version (Dynamic color): 4 W Compact version (Mono color): 15W Compact version (Dynamic color): 12W	Micro versions: 1.5 W Mini version (Mono color): 5 W Mini version (Dynamic color): 4 W Compact version (Mono color): 15W Compact version (Dynamic color): 12W
CCT	2700, 4000 and 6000 K for the Mono color versions 2700 - 6000 K for tunable white	2700, 4000 and 6000 K for the Mono color versions 2700 - 6000 K for tunable white
CRI	> 80 (2700 and 4000 K) > 70 (6000 K)	> 80 (2700 and 4000 K) > 70 (6000 K)
Corrosion resistance	For BBD versions: - Salt water resistant up to 35gr/L salinity - Chlorine resistant if water has a stable PH level between 6.8 and 8	Salt water resistant up to 35gr/L salinity Chlorine resistant if water has a stable PH level between 6.8 and 8
Operating temperature range, voltage	-20 to +35°C, 12V DC for Mono color versions	-20 to +35°C, 12V DC for Mono color versions
Material	Housing: - BBD versions: chromed brass Optical cover: hardened glass	Housing: chromed brass Optical cover: hardened glass



Vaya Linear



General description

Philips Vaya Linear is a cost effective, reliable white and color-changing light fixture for both exterior and interior use. Designed for creating fixed or dynamic colorful lighting effect,VAYA Flood is ideal for wall washing and grazing applications. Integrated Power for all variants and RDM discovery & addressing and DMX 512 control for VAYA Flood Color make this product easy to use with Philips controllers.

Features

- Consistent light output
- Maintenance free

Specifications

Type	Vaya Linear Color (RGB)	Vaya Linear White
Height	102 mm (including surface mount base)	102 mm (including surface mount base)
Width	63.5 mm	63.5 mm
Length	333 or 1000 mm	333 or 1000 mm
Mounting	Location adjustable and tilting surface-mount bracket	Location adjustable and tilting surface-mount bracket
Source	High-brightness Red, Green and Blue LEDs	High-brightness White LEDs
Beam angle	Narrow (10° x 50°) or Wide (50°)	Narrow (10° x 50°) or Wide (50°)
Lumen output	330 lm (0.33m) / 1000 lm (1.0m) all colors on full	450 lm (0.33m) / 1350 lm (1.0m) for 4000K
Lumen maintenance	50,000 hrs L50 at 25°C	50,000 hrs L70 at 25°C
Input voltage	100~240VAC, 50/60 Hz	100~240VAC, 50/60 Hz
Housing	Extruded aluminum, anodized finish	Extruded aluminum, anodized finish
Weight	0.33m: 3.0 Lbs (1.3 Kg), 1.0m 7.4 Lbs (3.3 Kg)	0.33m: 3.0 Lbs (1.3 Kg), 1.0m 7.4 Lbs (3.3 Kg)
Connector	3-conductor whip for power, 1.5m long 2-Pair twisted whip for data, 1.5m long	3-conductor whip for power, 1.5m long
Lens	Tempered Glass	Tempered Glass
Control	DMX-512 control and RDM discovery and addressing (One address per fixture)	ON/Off, Not dimmable
Power consumption	13 W (0.33m), 41 W (1.0m)	15W (0.33m), 41W (1.0m)
Operating temperature	0 to 35 DegC	0 to 35 DegC
Protection rating	IP65, Wet location listed	IP65, Wet location listed
Certifications	CQC, CE, CB	CQC, CE, CB
CCT	-	3000K, 4000K

Due to continuous change in LED technology the above values might change.

Vaya Flood



General description

Philips Vaya Flood is a cost effective, reliable white and color-changing light fixture for both exterior and interior use. Designed for creating fixed or dynamic colorful lighting effect,VAYA Flood is ideal for flood, wash and accent lighting applications. Having integrated power for all variants and RDM discovery and DMX 512 controls,VAYA Flood Color is a product that is easy to use with Philips controllers.

Features

- Consistent light output
- Long life
- Maintenance free

Specifications

Type	Vaya Flood LP RGB	Vaya Flood LP White
Beam angle	15°/30°	15°/30°
Lumen output	1050lm	2200lm (for 4000K)
Lumen maintenance	50000hrs L70 at 25°C	50000hrs L70 at 25°C
Input voltage	100~240 VAC, 50/60 Hz	100~240 VAC, 50/60 Hz
Power Consumption	44W max at full output, steady state	44W max at full output, steady state
Control	Auto discovery and addressing via Smartlack Pro, Control via standard DMX512	On/off, non dimmable
Dimensions	236mm x 77.4mm x 223mm (incl. mounting base)	236mm x 77.4mm x 223mm (incl. mounting base)
Operating temperature	0 - 40°C	0 - 40°C
Certifications	CE, CB, COC, C-Tick, SAA	CE, CB, COC, C-Tick, SAA
Protection rating	IP65, wet location listed	IP65, wet location listed
Lens	Tempered glass	Tempered glass
Source	High brightness Red,Green and Blue LEDs	High brightness white LEDs
Housing	Anodised and power coated	Anodised and power coated
CCT	-	3000K, 4000K

Due to continuous change in LED technology the above values might change.

Philips smart LED landscape

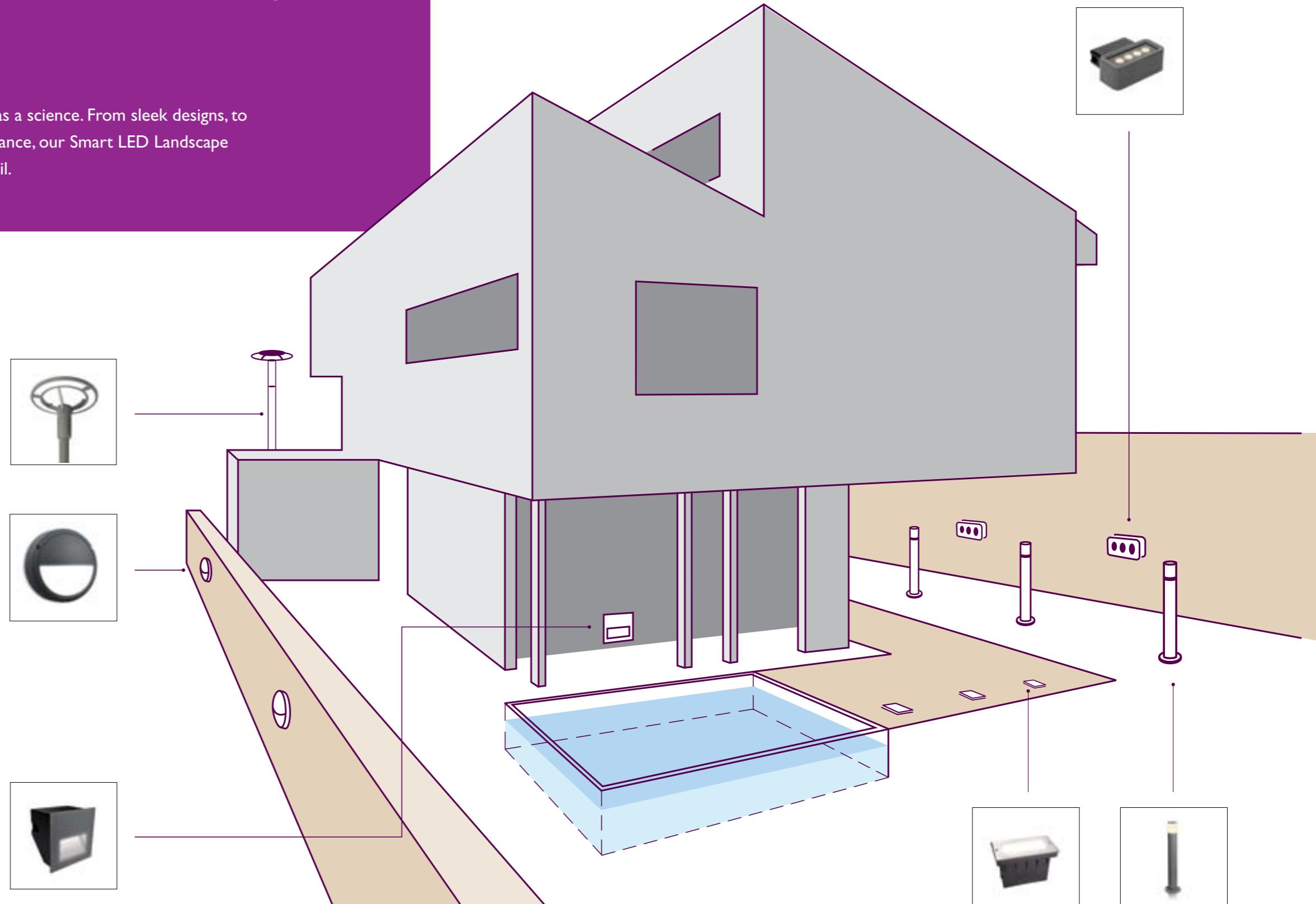
A total solution

At Philips, lighting urban landscapes is a passion as well as a science. From sleek designs, to excellence in engineering and excellent lighting performance, our Smart LED Landscape solution is cohesive and designed with attention to detail.

- All products are unified by a common design language making them seamless to combine and coordinate in your designs
- The lighting solutions are available in both warm white (3000K) and neutral white (4000K) color temperature, giving you choice and flexibility
- With full RoHS compliance, you have absolute peace-of-mind knowing that our products are free of toxic materials
- The exclusive use of LED technology also means an environmentally friendly lighting solution that needs less maintenance
- All our products have been engineered to a high degree of water and impact resistance (proven IP and IK standards) making them ideal candidates for outdoor environments

In short, our solution is just perfect for –

- Parks and Gardens
- Commercial areas such as squares, plazas etc.
- Residential areas



LED Post-top



General description

Stylish, robust and reliable post top lantern using LEDs. Having good light distribution, limited upward light component that avoids light pollution, this luminaire is an affordable landscape lighting solution.

Features

- High energy savings
- Good light distribution
- Long life
- Maintenance free

Specifications

Type	BGP151	BGP151
Light source	LED	LED
Lumen output	1900lm (WW), 2000lm (NW)	2900 (WW), 3000(NW)
Light color	Warm White (3000K)	Neutral White (4000K)
Power consumption	30W	45W
Driver	Integral type	Integral type
Nominal voltage	220-240V, 50 Hz	220-240V, 50 Hz
Optics	Closed diffuser	Closed diffuser
CRI	70	70
Mounting (OD)	60mm	60mm
Weight	7.5Kg.	7.5Kg.
Protection	IP 65, Class I	IP 65, Class I

Due to continuous change in LED technology the above values might change.

LED Step-light



General description

Philips LED Step-light offers uniform asymmetric lighting. This product is easy to install and comes with ingress protection. It also comes with suitable mounting box.

Features

- High energy savings
- IP67, Class I compliant
- Maintenance free
- Long life

Specifications

Type	BWG 150
Light source	36 low power LED
Lumen output	35lm(WW), 40lm(NW)
Light color	Warm White (3000K), Neutral White (4000K)
Power consumption	4W
Driver	Integral type
Nominal voltage	220-240V, 50 Hz
Optics	Polycarbonate diffuser
CRI	>75
Weight	0.55Kg.
Protection	IP 67, Class I
Accessories	Equipped with recess mounting box

Due to continuous change in LED technology the above values might change.

LED Wall mount



LED Marker



General description

Philips LED wall mount offers high level of durability with high impact resistance, ingress protection and comfortable soft lighting.

Features

- Consistent light output
- Long life
- Maintenance free

Specifications		
Type	BWS150	
Light source	96 low power LED	
Lumen output	180lm (WW), 200lm (NW)	
Light color	Warm White (3000K), Neutral White (4000K)	
Power consumption	8W	
Driver	Integral type	
Nominal voltage	220-240V, 50 Hz	
Optics	Polycarbonate diffuser	
CRI	>75	
Weight	0.58Kg.	
Protection	IP 65 / IK08 / Class I	

Due to continuous change in LED technology the above values might change.

General description

Philips LED marker lights offers high level of durability with high impact resistance, are easy to install and come with ingress protection. It also comes equipped with suitable mounting box.

Features

- Consistent light output
- Long life
- Maintenance free

Specifications		
Type	BBG 150	BBG 151
Light source	30 Low Power LED	30 low power LED
Lumen output	180lm (WW), 200lm (NW)	180lm (WW), 200lm (NW)
Light color	Warm White (3000K), Neutral White (4000K)	Warm White (3000K), Neutral White (4000K)
Power consumption	3W	3W
Driver	Integral type	Integral type
Nominal voltage	220-240V, 50 Hz	220-240V, 50 Hz
Optics	Closed,diffuser foggy glass	Closed diffuser foggy glass
CRI	>75	>75
Weight	1.06Kg.	0.97Kg.
Protection	IP 67 / IK10 / Class I	IP 67 / IK10 / Class I
Accessories	Equipped with recess mounting box	Equipped with recess mounting box

Due to continuous change in LED technology the above values might change.

LED Bollard II



General description

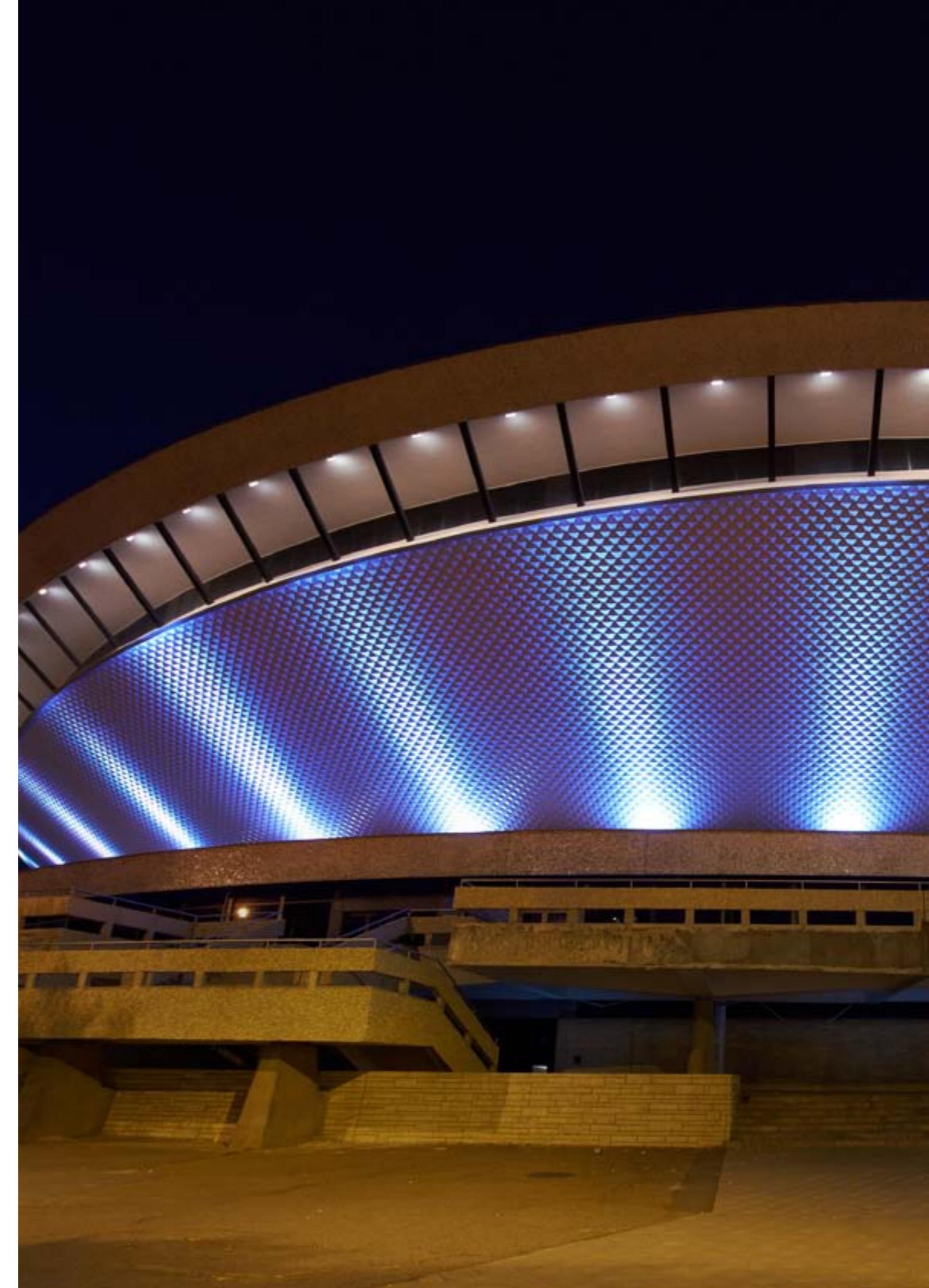
Philips LED Bollard offers a high level of durability with high impact resistance. It is easy to install, comes with ingress protection and provides comfortable soft lighting.

Features

- Consistent light output
- Long life
- Maintenance free

Specifications		
Type	BCP150	BCP151
Light source	96 low power LED	96 low power LED
Lumen output	300lm (WW), 400lm (NW)	300lm (WW), 400lm (NW)
Light color	Warm White (3000K), Neutral White (4000K)	Warm White (3000K), Neutral White (4000K)
Power consumption	8W	8W
Driver	Integral type	Integral type
Nominal voltage	220-240V, 50 Hz	220-240V, 50 Hz
Optics	Closed diffuser	Closed diffuser
Mounting (OD)	Integral base plate	Integral base plate
CRI	>75	>75
Height	0.5 Mts	0.8 Mts
Weight	1.32Kg.	1.9Kg.
Protection	IP 65 / IK10 / Class I	IP 65 / IK10 / Class I

Due to continuous change in LED technology the above values might change.



Check list for installing LED outdoor lighting



1. Cables are passed through the pole up to the luminaire – not from outside
2. Cables of recommended size to be used – don't use single wires
3. Resistance on earthing wire – between luminaire connection and actual ground (at the bottom of the pole) should not exceed 0.5 Ohm
4. Earthing connection must be done in luminaire instead of relying on local earthing (screw contact to pole during fixing)
5. Ideally conventional load (specially HID) should not be connected in the same line which is connected with a LED street light
6. Individual MCBs per pole with correct rating to be used
7. Preferably use a voltage controller and surge protector at the mains DB / supply cabinet panel
8. MI sheet that comes with the luminaire should be used for reference

LEDs in retail

Being successful in retail, requires you to provide a relaxing environment & comfort to shoppers. The more the shoppers stay at your store, better are the chances of them buying your merchandise. Lighting plays a critical role in creating the right environment in retail stores.



Attract people

Dynamic lighting has the power to attract people. It can give your store real stopping power by distinguishing your façade, creating irresistible window displays and bringing your brand to life. Light can support your marketing activities / POS promotions and run them effectively. At the touch of a button you can change your store environment.

Make them stay

Once inside, a comfortable, exciting ambience will make people enjoy the experience and stay longer. Lighting controls are the perfect way to set the right lighting mood so you can encourage your customers to feel relaxed and carry on browsing.

Return visits increase revenue

When more customers enjoy the experience at your store, more likely they will be recommending to their friends. And by optimizing the lighting with excellent color rendering you can ensure what they see is what they get, so you get more repeat visits and increased business.

Secure brand consistency

Remote control management enables you to take control of the lighting design of all your stores.



Entrances

Entrance of your store is the gateway to your brand. With effective lighting, you can attract shoppers and ensure they spend time in choosing the right merchandise.



LuxSpace HE
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GreenLEDi
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LuxSpace Accent rounded
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iColor Flex MX
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Shop windows

Everybody is vying for attention. With proper lighting, your shop window can stand out in the crowd. Light can be directed wherever you want it. Also, by applying higher lighting levels to your display and avoiding dark rear walls in the background, you can avoid your window turning into a mirror.



LuxSpace Accent rounded
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GreenLEDi
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iColor Cove MX Powercore
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Selling space and displays

It is here that your brand comes into its own. People need to see where they are walking and also view the products in the best way. Careful use of vertical lighting on walls can make your shop look more spacious.



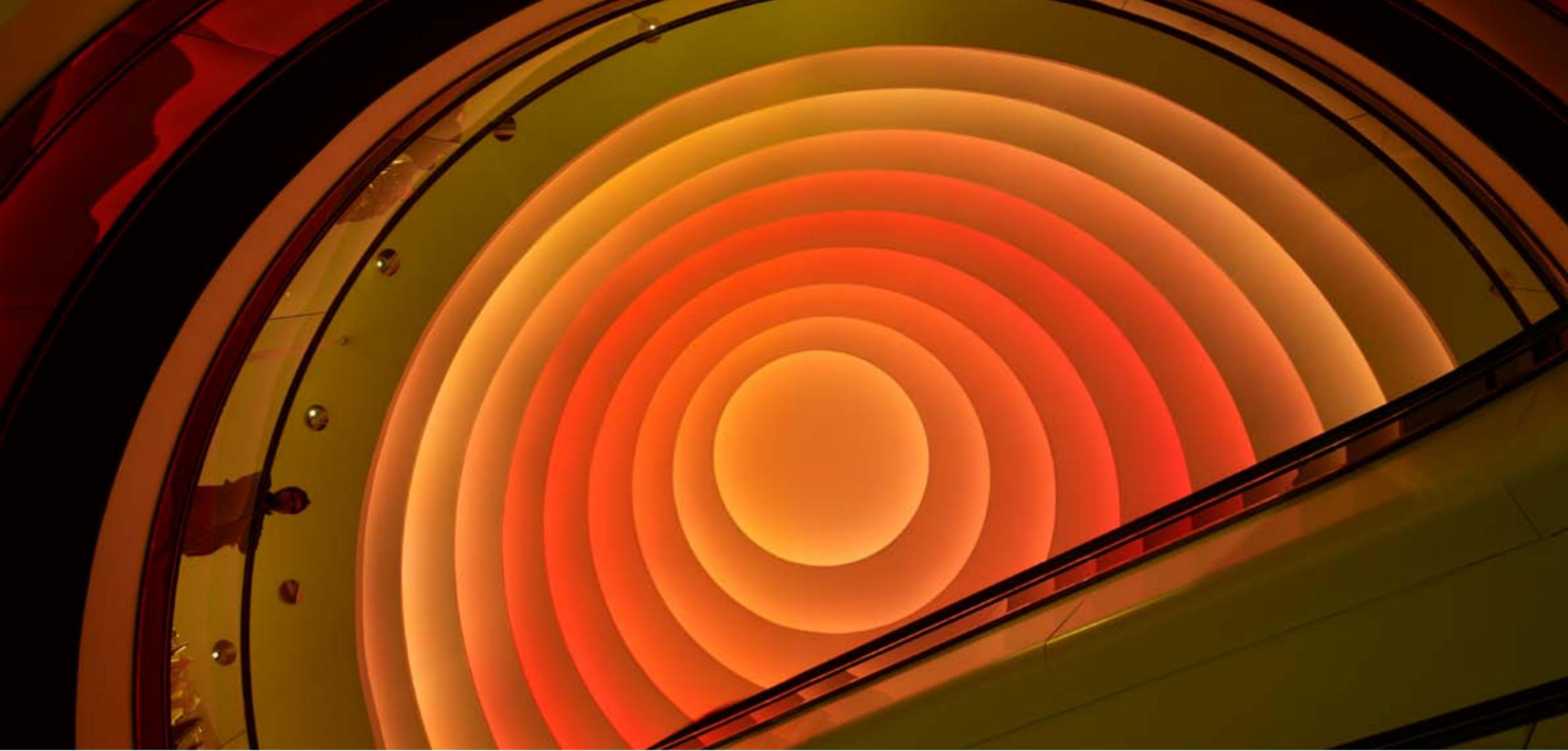
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In-store architecture

Shops often have interesting architectural features like interesting wall structures, an exposed girder, or columns. With careful lighting, you can make the stage more interesting for shoppers. It is all about crafting the right shopping experience. Creating the promise of something exciting, something out of the ordinary. Often such features can provide an inspiration for displaying products and for setting the scene for higher sales.



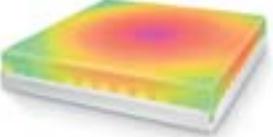
Color Blast Powercore
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iColor Cove MX Powercore
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Bio-Planet
Leuven, Belgium



"With the green supermarket concept, Philips fits in seamlessly with Bio-Planet's green philosophy. It is a clever selection of environmentally friendly and cost-effective lighting solutions, as well as being customer-friendly."

- Tamara de Ridder, Marketing Manager Bio-Planet

Customer requirement

Bio Planet wanted to specify most durable and energy saving materials for their new branch in Leuven. At the same they also wanted to stand out in the market.

What Philips offered



LuxSpace, LED lighting solutions

Results

- 25% energy saving.
- Low maintenance costs.
- Higher light output.
- Inviting ambience.

Brown Tree
Chennai, India



"Lighting is very important for any retail store. We wanted to cut down on existing electricity bills and were exploring different ways of reducing it. Post changing to Philips LED lighting, I'm saving lot of electricity cost and customer experience has also improved since lighting is now more inviting & soothing."

- Mr. Abhinandan Lunkad, Partner, Brown Tree Stores

Customer requirement

Brown Tree Retail, founded in 2009 is a health retail chain with more than 15 outlets across South India. They were exploring ways of reducing electricity costs through various alternatives.

What Philips offered



GreenLED, LED downlights

Results

- Energy efficient LED lighting.
- Maintenance free operation.
- Long life.
- Zero mercury.

Nuts n Spices
Chennai, India



"We were exploring ways of reducing energy costs. Philips Team showcased how we can save significantly on energy costs by upgrading existing lighting with Philips GreenLED. We have witnessed energy savings post this change and now the lights are producing very less heat as compared to earlier lights. Would definitely recommend LEDs to others."

- Mr. Mahendra Sanklecha, Partner, Nuts n Spices

Customer requirement

Energy efficient LED lighting for upgrading existing lighting.

What Philips offered



GreenLED, LED downlights

Results

- Energy efficient LED lighting.
- Maintenance free operation.
- Long life.
- Zero mercury.

Heineken The City
Amsterdam,
The Netherlands



"LED lighting is innovative, offers a great many new possibilities and really suits the 'look and feel' we wish to convey. Furthermore, by fitting the entire shop with LED lighting we are 100% distinctive from everyone else."

- Marc van der Mijn, Store Manager Heineken brand store

Customer requirement

Create a new look and feel and distinctive identity for itself.

What Philips offered



eW Downlight Powecore

Results

- Energy savings.
- Low maintenance.
- Improved and pleasant ambience.
- Good quality light.



UniverCell
Chennai, India

"Earlier we were putting more lights which were consuming more energy and costs. With Philips LED lights, we have to use lesser number of lights but with better light output. Customers are spending more time in our stores, which is directly improving our sales."

- Satish Babu, Founder and Managing Director - UniverCell

Customer requirement

Energy efficient lighting for upgrading existing lighting.

What Philips offered



GreenLED, LED downlights

Results

- Energy efficient LED lighting.
- Maintenance free operation.
- Long life.
- Zero mercury.



more
Supermarkets
Bangalore, India

"We were looking for upgrading lighting at our stores for saving energy costs and also enhancing customer experience. We are happy that we chose Philips LED lighting."

- Mr. Arun Kapur, Manager - City Operations, Aditya Birla Retail Ltd.

Customer requirement

Lighting solution that enhances customer experience and saves costs.

What Philips offered



GreenPerform

Results

- Very good lighting levels.
- Significant energy & cost savings.

Zevar jewellers
Porbandar, India



"In the jewellery business, apart from jewellery design, presentation of jewellery also plays a very important role in engaging customers. Different types of lighting effects are required depending on design. I'm totally satisfied with Philips LED lighting solutions since electricity costs have reduced substantially, heating problem has been solved and products are providing the right lighting effects."

- Sandeep Raninga, Owner, Zevar Jewellers

Customer requirement

Lighting solution which is energy efficient, reduces heating problems and also provides the right lighting levels in the showroom.

What Philips offered



Master LED lamps

Results

- Up to 50% energy savings.
- Maintenance free operation.
- Long life.
- Less heat in the showroom.



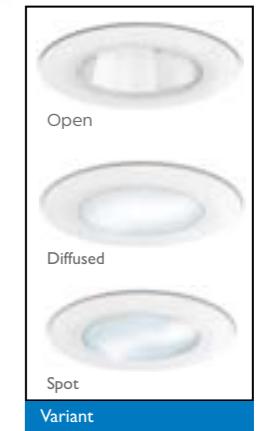
General description

GreenSpace is a high performance LED downlighter with high system efficacy for good quality and uniform lighting. With its simple yet elegant design, it conforms to general lighting norms for offices, shops, and other indoor applications, providing an essential tool to owners, designers, and installers to explore energy saving practices.

Features

- Consistent light output
- Long life
- CRI >80

Specifications				
Type	GreenSpace Micro DN180B	GreenSpace Mini DN181B	GreenSpace Compact DN182B	GreenSpace Power DN183B
LED engine	DLED Micro	DLED Mini	DLED Compact	DLED Power
lumen package	600lm	1000lm	1500lm	2000lm
CFL replacement	up to 2x13W	up to 2x18W	up to 2x26W	up to 2x32W
CRI	80	80	80	80
CCT	Warm white: 3000K Neutral white: 4000K Cool white: 5000K			
Power (4000K)	8.5W	12W	18W	24W
System efficacy	70lm/W (3000K) 75lm/W (4000K, 5000K)	75lm/W (3000K) 78lm/W (4000K, 5000K)	78lm/W (3000K) 80lm/W (4000K, 5000K)	78lm/W (3000K) 80lm/W (4000K, 5000K)
Voltage	220V-240V/50, 60Hz	220V-240V/50, 60Hz	220V-240V/50, 60Hz	220V-240V/50, 60Hz
Driver	Integrated	Integrated	Integrated	Integrated
Optics	High quality diffuser	High quality diffuser	High quality diffuser	High quality diffuser
Cut out	ø125mm	ø152mm	ø203mm	ø203mm
Material	Heat sink: die-cast Diffuser: PMMA Reflector: PC Clip: steel			
Ring Color	White (RAL9010)	White (RAL9010)	White (RAL9010)	White (RAL9010)
Installation	Spring Clip	Spring Clip	Spring Clip	Spring Clip
SDCM	5	5	5	5



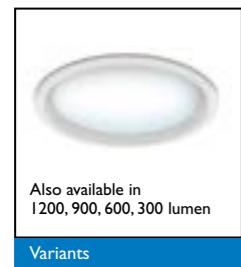
General description

GreenSpot family offers a choice of lamps or LED light sources as well as a variety of optics, accessories and color finishes. GreenSpot enables retailers to choose a lighting solution that meets their needs.

Features

- Consistent light output
- Long life
- CRI >80

Specifications	
Type	BBS 311 - GreenSpot IA (Adjustable) BBS 312 - GreenSpot IF (Fixed open) BBS 313 - GreenSpot IS (Fixed spot) BBS 314 - GreenSpot ID (Fixed diffused)
Source	LEDDisk module
Versions	1. Fixed - open/ diffused and spot 2.Adjustable - along with frames offering combination of 1/2/3/4 luminaires
Lumen OP(at Source)	850 Lumens
Light Color	5000K
Power Consumption	15W
Voltage	220-240V AC 50 Hz
Driver	Integral constant current driver
CRI	>80
Optics	Aluminium reflector with - diffused, open and spot lighting options.
Color	White
Material	Die-cast aluminium heat sink. Option of fixed and adjustable versions
Installation	Recessed



General description

GreenLEDi range is a breakthrough offering which combines modern product design, the latest LED technology and reliable heat management to deliver a long lasting efficient solution for offices and retail spaces. Offering substantial energy savings compared to CFL/halogen, good light quality, complete stylistic freedom and significant maintenance savings, the product is an ideal value for money replacement for conventional solutions.

Features

- 50%* energy saving
- 5 times more life over CFLs
- Long life of 40000* hours

Specifications	GreenLED i600 DN 191B	GreenLED i900 DN 192B	GreenLED i1200 DN 193B	GreenLED i1500 DN 194B
LED engine	DLED Micro	DLED Mini	DLED Compact	DLED Power
lumen package	6500K-600 4000K-600 3000K-600	6500K-1000 4000K-900 3000K-900	6500K- 4000K-1200 3000K-1200	6500K- 4000K-1500 3000K-1500
CRI	>70	>70	>70	>70
CCT	Warm white: 3000K Neutral white: 4000K Cool Daylight: 6500K			
Power (4000K)	10W	15W	18W	24W
Voltage	220V-240V/50, 60Hz	220V-240V/50, 60Hz	220V-240V/50, 60Hz	220V-240V/50, 60Hz
driver	Constant current integrated driver	Constant current integrated driver	Constant current integrated driver	Constant current integrated driver
optics	High quality diffuser	High quality diffuser	High quality diffuser	High quality diffuser
Material	heat sink: die-cast diffuser: PMMA reflector: PC clip: steel			
Installation	Spring Clip	Spring Clip	Spring Clip	Spring Clip
SDCM	5	5	5	5

General description

The product offers a high energy efficient solution (up-to 45% energy saving at similar lighting levels) long service life solutions for Hypermarkets / Warehouses / Distribution center and other similar applications.

Features

- 30%* energy saving
- CRI >80
- Long life of 50000* hours

Specifications	Optimus LED Trunking
Type	LED Module
Source	LED Module
Lumen OP(at Source)	4030 lm
Color Temperature	4000K / 5000K / 6500K
Power Consumption	40W
Voltage	220-240V, 50 / 60 Hz
Driver	Electronic-Xitanium Driver
CRI	>80
Trunk Lengths	1180mm . For standalone mounting 3540mm – single section for continuous mounting
Color	White



General description

These LED downlights with superior aesthetics and build quality suitable for applications that require a green general lighting solutions for instance in offices, shops, hotels and hospitals. Their extremely low power consumption results in significant energy savings compared with traditional CFL downlights.

Features

- 50%* energy saving
- Long life of 50000* hours
- Good color rendering



Variant

General description

LuxSpace round accent adjustable provides a compact look and feel. This product provides high lumen package along with good color rendering and color consistency, thereby proving to be an effective solution than conventional solutions.

Features

- Consistent light output
- Long life of 50000* hours
- CRI >80

Specifications				
Type	LuxSpace Micro BBS478	LuxSpace Mini BS488/489	LuxSpace compact BBS498/499	Luxspace Compact Power BBS496
Light source	DLED Micro	DLED Mini	DLED Compact	DLED Compact Power
System lm output	560lm (3000K) 620lm (4000K)	1000lm (3000K) 1100lm (4000K)	2000lm (3000K) 2200lm (4000K)	2750 (3000K) 3100 (4000)
System Power consumption	8W	13W	28W	40.5W
System performance*	68lm/W(3000K) 75lm/W (4000K)	74lm/W(3000K) 81lm/W (4000K)	72lm/W(3000K) 80lm/W (4000K)	70lm/W(3000K) 78lm/W (4000K)
Lifetime	50k hours (L70)	50k hours (L70)	50k hours (L70)	50k hours (L70)
CCT	3000K / 4000K	3000K / 4000K	3000K / 4000K	3000K / 4000K
RA	>80	>80	>80	>80
Driver/control	Fixed and dimmable	Fixed Dimmable (DALI)	Fixed Dimmable (DALI)	Fixed Dimmable (DALI)
IP	Option of IP54 Version	Option of IP54 Version	Option of IP54 Version	Option of IP54 Version
Accessories	Glass disk with frosted inner part in suspended position SG-FRC Frosted-glass halo ring in suspended position SG-HR-FR Opal glass in suspended position SG-O			

Specifications		
Type	ST522B	ST526B
Light Source	SLED3200	SLED3200
Light Color	2700K/4000K	2700K / 4000K
Power Consumption	3131 / 3998 Lumens	3130 / 3998Lumens
Voltage	220-240V AC 50 Hz	220-240V AC 50 Hz
Driver	High effeciency constant current driver - external	High effeciency constant current driver - external
Optics	Clear diffuser optics with option of 25/36/60 degree beam angle	Clear diffuser optics with option of 25/36/60 degree beam angle
Material	Die-cast AL housing with polycarbonate reflector	Die-cast AL housing with polycarbonate reflector
Installation	recessed	recessed
Color	White	White
Lifetime	50000 burning hrs (At L70)	50000 burning hrs (At L70)
CRI	>80	>80

Also available in 1000 and 600 lumens.



General description

Delivering a warm, halogen-like accent beam, MASTER LEDspot LV AR111 is an ideal retrofit solution for spot and general lighting applications in the hospitality and retail industry. It is particularly suitable for general lighting where the light is on all the time, such as creative accent lighting applications in shops, restaurants, hotels, and especially for galleries, exhibitions and museums. The robustly designed MASTER LEDspot LV AR111 offers various beam angles for a clearly defined beam spread. There is no UV or IR in the beam, making it suitable for illuminating heat-sensitive objects like food, organic materials, paintings, etc. The patented intelligent driver enables broad compatibility with existing electromagnetic and electronic halogen transformers. MASTER LEDspot LV AR111 delivers huge energy savings and minimizes maintenance cost without any reduction in brightness.

Features

- Lower energy consumption: 15 / 75W (12V)
- Patented intelligent driver
- Long life of 40,000* hours
- Low energy consumption
- Clearly defined beam spread
- Dimmable

Product description	Watt	Socket	Beam intensity (cd)	Beam angle	Lifetime (hours)	Lumens output	Efficiency lm/W	CRI	Color Temp.	Dimmable
AR111 2700K 24D	15	G53	4560	25	40,000	830	55	>80	2700	Yes
AR111 2700K 40D	15	G53	1660	40	40,000	830	55	>80	2700	Yes



General description

Let Philips GreenAccent family inspire you with a range of accent lighting solutions designed with retail – and retail success – in mind.

GreenAccent Gen II applied latest high efficient COB LED technology, with a special optical system to deliver top quality light that makes your shop and merchandise look great and as a lighthouse in a sea of choices!



Variant

Features

- Lower energy consumption
- Low maintenance
- Good color rendering

Specifications		
Type	GreenAccent LED20	GreenAccent LED40
Lumen Package	2000lm	4000lm
System Lumen	1750lm(3000K); 1900lm(4000K)	3700lm(3000K); 3900lm(4000K)
System Power	26.5W	54W
System Efficacy	65lm/W(3000K); 70lm/W(4000K)	67lm/W(3000K); 72lm/W(4000K)
Power Factor	0.95	0.95
Color Temp.	Warm white 3000K and Neutral white 4000K	Warm white 3000K and Neutral white 4000K
CRI	Typical 85, Minimum 80	Typical 85, Minimum 80
SDCM	≤3	≤4
Beam Angle	12° / 24° / 36°	16° / 22° / 34°
Power Supply	220-240V/50-60Hz	220-240V/50-60Hz
Driver	Fixed output	Fixed output
Mounting	Recessed fixed; Recessed adjustable; Semi-Recessed; Track	Recessed fixed; Recessed adjustable; Semi-Recessed; Track
Color	White (semi-recessed and track available in black)	White (semi-recessed and track available in black)
Optics	Vacuum Alu plating on PC reflector (LED40: antireflection coating glass applied)	Vacuum Alu plating on PC reflector (LED40: antireflection coating glass applied)
Lifetime	40000hr L70 @25°C	40000hr L70 @25°C

Master LED GU10



General description

Efficient accent lighting is now possible with GU10 MASTER LED lamp. With no heat, UV or IR in the beam, it outperforms halogen lighting in terms of lighting while saving on energy and maintenance costs.

Features

- Low energy consumption: 6W/50W (230V -240V)
- Long life of 40,000* hours
- Clearly defined beam spread
- UV- and IR-free light for less heat and protection for heat-sensitive objects



PAR Outdoor

PAR Indoor

General description

Philips MASTER LED PAR30 and PAR38 integrates a high power LED light source with excellent thermal management solution in a standard halogen form-factor to replace up to 75W traditional halogen lamp.

Features

- Replacement for Standard 75W halogen lamp
- High energy efficiency of more than 80%*
- Long life of 45,000* hours
- Life of 20,000* hours for PAR38 outdoor
- No External driver is required
- Environment friendly RoHS compliant , No mercury
- No UV and IR
- CCT : 2700K

Product description	Watt	Socket	Beam intensity (cd)	Beam angle	Lifetime (hours)	Lumens output	CRI	Color Temp.	Dimmable
Master LEDspotMV 6-50W GU10 2700K 25D	6	GU10	1100	25	40,000	300	>80	2700	No
Master LEDspotMV 6-50W GU10 3000K 25D	6	GU10	1100	25	40,000	320	>80	3000	No
Master LEDspotMV 6-50W GU10 4000K 25D	6	GU10	1100	25	40,000	320	>80	4000	No
Master LEDspotMV 6-50W GU10 2700K 40D	6	GU10	600	40	40,000	300	>80	2700	No
Master LEDspotMV 6-50W GU10 3000K 40D	6	GU10	600	40	40,000	320	>80	3000	No
Master LEDspotMV 6-50W GU10 4000K 40D	6	GU10	600	40	40,000	320	>80	4000	No

Product description	Watt	Socket	Beam intensity	Beam angle	Lifetime (hours)	Lumens output	Efficiency lm/W	CRI	Color Temp.	Dimmable
D 7-50W 2700K PAR20 25D	7	E27	1000	25	45,000	250	36	>80	2700	Yes
D 12-75W 2700K 230V PAR30S 25D	12	E27	2250	25	45,000	630	53	>80	2700	Yes
D 17-100W 2700K 230V PAR38 OD	17	E27	3500	25	25,000	810	48	>80	2700	No
D 18-100W 2700K 230V PAR38 25D	18	E27	3400	25	45,000	810	45	>80	2700	Yes

Master LED PAR

Essential LED MR16 2.6/5W (Non dimmable)



General description

Philips Essential LED MR16 lamp integrates high power LED light source and compact high efficiency driver into a traditional halogen form factor. It is ideal for applications including track lighting, general architectural and landscape lighting.

Features

- Low energy consumption: 2.6W/20W, 5W/50W (12V)
- Patented intelligent driver
- Retrofittable with low-voltage MR16 halogen lamps with GU5.3 socket

Product description	Watt	Socket	Beam intensity (cd)	Beam angle	Lifetime (hours)	Lumens output	CCT	Color Rendering Index	Color Temp.	Dimmable
Essential LED 2.6-20W MR16 2700K	2.6	GU5.3	600	24	15,000	150	2700K	>80	2700	No
Essential LED 2.6-20W MR16 6500K	2.6	GU5.3	750	24	15,000	170	6500K	>70	3000	No
Essential LED 5-50W MR16 2700K	5	GU5.3	1100	24	15,000	355	2700K	>80	3000	No
Essential LED 5-50W MR16 6500K	5	GU5.3	1150	24	15,000	410	6500K	>70	3000	No



General description

Delivering a warm, halogen-like accent beam, MASTER LEDspot LV is an ideal retrofit solution for spot and general lighting applications. It is particularly suited for public areas such as receptions, lobbies, corridors, stairwells and washrooms, where the light is on all the time.

Features

- Low energy consumption: 4W / 20W (12V)
- Clearly defined beam spread
- UV- and IR-free light for less heat and protection for heat-sensitive objects
- Retrofit
- 24 degree beam angle
- CCT: 2700K and 4200K

Product description	Watt	Socket	Bulb Shape	Beam intensity (cd)	Beam angle	Lifetime (hours)	Lumens output	Efficiency lm/W	CRI	Color Temp.	Dimmable
4-20W GU4 2700K 24D	4	GU4	MR11	580	24	25,000	140	35	>80	2700	No
4-20W GU4 4000K 24D	4	GU4	MR11	700	24	25,000	150	38	>80	4000	No

MR11 (Non-dimmable)

LEDs in hospitality

Creating the right lighting both inside and outside your restaurants and hotels is critical for attracting guests. Philips LED lighting products and solutions, provide your guests the comfort they seek and at the same time help you save significantly on energy consumption and costs.



Adding value

Our lighting products can add value throughout your hotels and restaurants. From guest rooms and public areas to outdoor & facade areas and other areas like common areas, meeting rooms, entertainment zones and well being areas, we have products that meet your need.



Receptions and lobbies

Hotel reception provides a welcoming ambience and creates the right impact on your guests. At this busy area where people come together and interact during all hours of the day, thoughtful lighting can make a long lasting impression on your guests.



LuxSpace HE
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DayWave
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LumiStone
Page 199



Master LED GUIO
Page 190



Corridors and other transition areas

Corridors and other transition areas often lack natural daylight, but that doesn't mean they have to lack appeal. We have a variety of lighting solutions for brightening the mood and showing the way. And although such areas have to be illuminated whenever someone is present, the lights don't have to be on 24 hours a day.



Luxspace HE
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GreenLEDi
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Master LED GU10
Page 190



Guest rooms and suites

Guests treating themselves to a few days of luxury or executives on a business trip deserve and expect 5 star treatment. We can help you give them exactly that and more! No expense has been spared in developing our state-of-the-art audio-visual solutions to offer your guests a profoundly enjoyable entertainment experience. Along with that our cutting-edge lighting solutions provide added visual comfort, creating that special ambience for a truly memorable stay.



Master LED GU10
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Master LED MR16
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DaySign
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Bars, restaurants and lounges

The right ambience is crucial. These are places where people go to unwind, socialize and enjoy themselves, but also to meet and entertain business associates. Through the strategic use of creative lighting you can make things stimulating and refreshing during the day and more intimate and laid back at night. Or the other way round! On top of that, uniquely appealing and premium-quality infotainment displays can act as a real magnet for guests.



Master LED GU10
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Master LED MR16
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eWDownlight Powercore
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iColor Cove MX Powercore
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Wellness areas

Wellness areas have become indispensable in hotels of all sizes. Gyms, saunas, swimming pools and massage rooms, as well as beauty salons, hairdressers and even spas, are becoming standard features. Whether you want to set the right ambience, ensure adequate levels of safety and security or provide some entertaining distraction for those trying to knock themselves into shape, we have plenty to offer.



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Facades

The facade is one of the most potent calling cards of your hotel. Create an exterior that is distinctive, memorable and eye-catching and you can generate a significant amount of extra revenue while making sure you really stand out from the crowd. LEDs in particular, with their ability to produce millions of color combinations and sequence in an endless variety of patterns, are ideal for generating attention and reinforcing the projection of your brand.



ColorReachTM Powercore
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ColorBurst Compact
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ColorBlast TR
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Color Graze
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"Lighting is the most important part of any restaurant & bar. After evaluating various brands, we chose Philips lighting because they are the best."

- Rachit Khanna, Partner & Owner, Café Ludus

Customer requirement

Lighting partner who could provide lighting which is inviting & inspiring for guests.

What Philips offered



ColorFuse Powercore



Dynalite controls

Philips Colorkinetics LED ColorFuse Powercore and Dynalite controls

Results

- Inspiring and soothing lighting experience for guests
- Different light effects & scenes at click of a button using Philips Dynalite IPHONE and IPAD APP.

ITC Maurya Hotel
New Delhi, India



"ITC Hotels is a pioneer in eco initiatives. It is important that our hotels are not only energy efficient but the ambience is also appealing for our guests. Lighting constitutes almost 25% of our energy costs. Use of LED lights helps in almost 80% energy savings v/s conventional lighting. With use of Philips LED lights, we have not only saved energy costs but have also maintained the guest experience without compromising the ambience thereby creating a win win situation."

- Mr.Niranjan Khatri, Head – Sustainability Initiatives,
ITC Welcomgroup

Customer requirement

Make the chain of hotels energy efficient and at the same time create appealing ambience for the guests.

What Philips offered



Master LED lamps

Results

- Upto 80% energy savings.
- Pleasant ambience for the guests.
- Low maintenance.



"Philips LED retail lighting has given McDonald's more control over its operational cost. Our customers are saying 'I'm loving it' and we're saying 'I'm loving it.'"

- Mr.Vinay Halambi, General Manager –
Projects, McDonald's India (West & South)

Customer requirement

Lighting which can create an inviting and warm ambience for customers with maintenance free operation.

What Philips offered



LEDO LED downlighters

Results

- Energy efficient LED lighting.
- Maintenance free operation.
- Better lighting levels.
- Long life.



"We wanted a lighting solution which looks aesthetically good and is also energy efficient. We are happy that we chose Philips LED lighting solutions."

- Mr. Jamal Pervez, Head – Projects, McDonald's India (North & East)

Customer requirement

Energy efficient lighting solutions for newly renovated chain of restaurants.

What Philips offered



Master LED lamps and Latina framelights

Results

- Significant energy savings.
- Maintenance free operation.
- Better lighting levels.
- Long life.



Scandic Palace
Copenhagen,
Denmark



"The spirit of the hotel determined our new lighting."

- Hotel director Pia Jakobsen, Scandic Palace Hotel

Customer requirement

Make the chain of hotels energy efficient and at the same time create appealing ambience for the guests.

What Philips offered



Master LED lamps and Latina framelight

Results

- Energy efficient.
- Pleasant ambience for the guests.
- Low maintenance.



The Westin Palace
Madrid, Spain

"Brilliant savings."

- Hotel director Pia Jakobsen, Scandic Palace Hotel

Customer requirement

The Westin Palace Madrid volunteered to be a pilot hotel and test the new bulbs generation from Philips. The new bulbs were first tested in rooms, on the floors and in the banquet corridors.

What Philips offered



NovaGlow E14 candle

Novallure LED candle

Results

- Significant energy saving
- Long life
- Eco friendly

CitizenM
Amsterdam,
The Netherlands



"With the help of Philips, we're applying technology as an enabler to deliver a better customer experience and more cost-effective operations."

- Michael Levie, CEO of citizenM hotels

Customer requirement

Provide a friendly technology, that enables customers to personalize their hotel stay exactly the way they want extending from personalized check-in to lighting controls.

What Philips offered



iColor Cove MX



LuxSpace

Color Kinetics iColor Cove MX Powercore and LuxSpace LED luminaires

Results

- Personalized experience.
- Pleasant ambience.
- Low maintenance.

Master LED GU10



General description

Efficient accent lighting is now possible with GU10 MASTER LED lamp. With no heat, UV or IR in the beam, it outperforms halogen lighting in terms of lighting while saving on energy and maintenance costs.

Features

- Low energy consumption: 6W/50W (230V -240V)
- Long life of 40,000* hours
- Clearly defined beam spread
- UV- and IR-free light for less heat and protection for heat-sensitive objects

Product description	Watt	Socket	Beam intensity (cd)	Beam angle	Lifetime (hours)	Lumens output	CRI	Color Temp.	Dimmable
Master LEDspotMV 6-50W GU10 2700K 25D	6	GU10	1100	25	40,000	300	>80	2700	No
Master LEDspotMV 6-50W GU10 3000K 25D	6	GU10	1100	25	40,000	320	>80	3000	No
Master LEDspotMV 6-50W GU10 4000K 25D	6	GU10	1100	25	40,000	320	>80	4000	No
Master LEDspotMV 6-50W GU10 2700K 40D	6	GU10	600	40	40,000	300	>80	2700	No
Master LEDspotMV 6-50W GU10 3000K 40D	6	GU10	600	40	40,000	320	>80	3000	No
Master LEDspotMV 6-50W GU10 4000K 40D	6	GU10	600	40	40,000	320	>80	4000	No



Master LED MR16 7/7.2W Dimmable



Variant

General description

Philips MASTER LED MR16 dimmable lamp integrates leading high power LED light source and compact high efficiency driver into a traditional halogen form factor. It is ideal for applications including track lighting, general architectural and landscape lighting.

Features

- Low energy consumption: 7/7.2 W / 50 W (12V)
- Air movement mechanism (unique air flux technology enabling 30%* higher efficiency)
- Retrofittable with low-voltage MR16 halogen lamps with GU5.3 socket

Product description	Watt	Socket	Beam intensity (cd)	Beam angle	Lifetime (hours)	Lumens output	Color Rendering Index	Color Temp.	Dimmable
MASTER LED 7-50W 2700K MR16 15D Dim	7	GU5.3	2900	15	40,000	380	>80	2700	Yes
MASTER LED 7-50W 3000K MR16 15D Dim	7	GU5.3	3150	15	40,000	420	>80	3000	Yes
MASTER LED 7-50W 4000K MR16 15D Dim	7	GU5.3	3250	15	40,000	440	>80	4000	Yes
MASTER LED 7-50W 2700K MR16 24D Dim	7	GU5.3	2100	24	40,000	420	>80	2700	Yes
MASTER LED 7-50W 3000K MR16 24D Dim	7	GU5.3	2200	24	40,000	440	>80	3000	Yes
MASTER LED 7-50W 4000K MR16 24D Dim	7	GU5.3	2350	24	40,000	470	>80	4000	Yes
MASTER LED 7-50W 2700K MR16 36D Dim	7	GU5.3	1200	36	40,000	420	>80	2700	Yes
MASTER LED 7-50W 3000K MR16 36D Dim	7	GU5.3	1250	36	40,000	440	>80	3000	Yes
MASTER LED 7-50W 4000K MR16 36D Dim	7	GU5.3	1300	36	40,000	470	>80	4000	Yes
MASTER LED 7.2-50+W 2700K MR16 24D Dim	7.2	GU5.3	2400	24	40,000	500	>80	2700	Yes
MASTER LED 7.2-50+W 3000K MR16 24D Dim	7.2	GU5.3	2500	24	40,000	510	>80	3000	Yes
MASTER LED 7.2-50+W 2700K MR16 36D Dim	7.2	GU5.3	1300	36	40,000	500	>80	2700	Yes
MASTER LED 7.2-50+W 3000K MR16 36D Dim	7.2	GU5.3	1350	36	40,000	510	>80	3000	Yes

NovaGlow E14 Candle



General description

Philips NovaGlow E14 CANDLE integrates a high power LED light source with a unique lotus lens design for sparkling effect. It can replace up to 20W GLS candle.

Features

- Standard GLS Candle form factor
- Ultra Energy efficient, replacement up to 20W GLS
- Available in 4W
- 20,000* hours average life time
- No external driver is required
- No mercury, UV and IR
- RoHS complaint
- CCT: 2700K
- Dimmable

Product description	Wattage	Socket	Lifetime (hours)	Lumens output	Efficiency lm/W	Color Rendering Index	Color Temp.	Dimmable
Master LED 4W- E14 2700K 230W B35 CL DIM	4	E14	20,000	250	62	>80	2700	Yes

CL DIM



Sultan and Prince LED bulb 7,12 & 13W

General description

Premium LED bulb providing high quality of light with less energy consumption and long life.

Features

- Ultra energy efficient replacement up to 75W GLS
- 25,000* hours average life time
- No mercury, UV and IR
- RoHS complaint
- CCT: 2700K
- Dimmable

Product description	Wattage	Socket	Beam angle	Lifetime (hours)	Lumens output	Color Rendering Index	Color Temp.	Dimmable
12-60W 2700 E27	12	E27	310	25,000	806	80	2700	Yes
7-40W 2700 E27	7	E27	310	25,000	470	80	2700	Yes
7-40W 2700 B22	7	B22	310	25,000	470	80	2700	Yes
13-75W 2700 E27	13	E27	310	25,000	1055	80	2700	Yes

Consumer LED lamps (Non-dimmable)



General description

Philips Consumer LED lamps provide high quality light with less energy consumption and long life at an affordable price.

Features

- Up to 50%* energy saving compared to CFL
- Up to 90%* energy saving compared to GLS
- High efficacy
- No UV and IR

Product description	Wattage	Lamp base	Lifetime (hours)	Lumens output	Color Rendering Index	Color Temp.
LED Bulb 230 lm	2.5W	B22 and E27	15,000	230	80	3000K and 6500K
LED Bulb 350lm	4W	B22 and E27	15,000	350	80	6500K
LED Bulb 350lm	5W	B22 and E27	15,000	350	80	3000K
LED Bulb 600lm	7W	B22 and E27	15,000	600	80	6500K
LED Bulb 600lm	7.5W	B22 and E27	15,000	600	80	3000K
LED Bulb 806lm	9W	B22 and E27	15,000	806	80	6500K
LED Bulb 806lm	9.5W	B22 and E27	15,000	806	80	3000K
LED Bulb 1055lm	12.5W	B22 and E27	15,000	1055	80	6500K
LED Bulb 1055lm	12.5W	B22 and E27	15,000	1055	80	3000K
LED Bulb 1400lm	14W	B22 and E27	15,000	1400	80	6500K
LED Bulb 1400lm	14W	B22 and E27	15,000	1400	80	3000K





Variant



General description

These LED downlights with superior aesthetics and build quality suitable for applications that require a green general lighting solutions for instance in offices, shops, hotels and hospitals. Their extremely low power consumption results in significant energy savings compared with traditional CFL downlights.

Features

- 50%* energy saving
- Long life of 50000* hours
- Good color rendering

Specifications

Type	LuxSpace Micro BBS478	LuxSpace Mini BS488/489	LuxSpace compact BBS498/499	Luxspace Compact Power BBS496
Light source	DLED Micro	DLED Mini	DLED Compact	DLED Compact Power
System lm output	560lm (3000K) 620lm (4000K)	1000lm (3000K) 1100lm (4000K)	2000lm (3000K) 2200lm (4000K)	2750 (3000K) 3100 (4000)
System Power consumption	8W	13W	28W	40.5W
System performance*	68lm/W(3000K) 75lm/W (4000K)	74lm/W(3000K) 81lm/W (4000K)	72lm/W(3000K) 80lm/W (4000K)	70lm/W(3000K) 78lm/W (4000K)
Lifetime	50k hours (L70)	50k hours (L70)	50k hours (L70)	50k hours (L70)
CCT	3000K / 4000K	3000K / 4000K	3000K / 4000K	3000K / 4000K
RA	>80	>80	>80	>80
Driver/control	Fixed and dimmable	Fixed Dimmable (DALI)	Fixed Dimmable (DALI)	Fixed Dimmable (DALI)
IP	Option of IP54 Version	Option of IP54 Version	Option of IP54 Version	Option of IP54 Version
Accessories	Glass disk with frosted inner part in suspended position SG-FRC Frosted-glass halo ring in suspended position SG-HR-FR Opal glass in suspended position SG-O			

*Conditions apply



General description

DaySign, is our innovative collection of LED-based luminaires with super-thin light-emitting surfaces, comprising adjustable spots (360° horizontal, 2x90° vertical) and surface-mounted and pendant luminaires (solo or twin LED disc), DaySign can be used for atmospheric general lighting and eye-catching accent lighting in retail and hospitality areas.

Features

- Consistent light output
- Long life of 60500* hours
- Good color rendering

Specifications

Type	BPG742 1xGLED/840 PSU 36 3C WH
Light Source	LED module
Lumen output	685 Lumen
Light Color	4000K
Power Consumption	19W
Voltage	220-240V AC 50 Hz
Optics	36 (Beam angle 36°)
Color	White
Lifetime	60500 Burning Hrs (At L70)
CRI	80

*Conditions apply



General description

GreenLEDi range is a breakthrough offering which combines modern product design, the latest LED technology and reliable heat management to deliver a long lasting efficient solution for offices and retail spaces. Offering substantial energy savings compared to CFL/halogen, good light quality, complete stylistic freedom and significant maintenance savings, the product is an ideal value for money replacement for conventional solutions.

Features

- 50%* energy saving
- 5 times more life over CFLs
- Long life of 40000* hours

Specifications	GreenLED i600 DN 191B	GreenLED i900 DN 192B	GreenLED i1200 DN 193B	GreenLED i1500 DN 194B
LED engine	DLED Micro	DLED Mini	DLED Compact	DLED Power
lumen package	6500K-600 4000K-600 3000K-600	6500K-1000 4000K-900 3000K-900	6500K- 4000K-1200 3000K-1200	6500K- 4000K-1500 3000K-1500
CRI	>70	>70	>70	>70
CCT	Warm white: 3000K Neutral white: 4000K Cool Daylight: 6500K			
Power (4000K)	10W	15W	18W	24W
Voltage	220V-240V/50, 60Hz	220V-240V/50, 60Hz	220V-240V/50, 60Hz	220V-240V/50, 60Hz
driver	Constant current integrated driver	Constant current integrated driver	Constant current integrated driver	Constant current integrated driver
optics	High quality diffuser	High quality diffuser	High quality diffuser	High quality diffuser
Material	heat sink: die-cast diffuser: PMMA reflector: PC clip: steel			
Installation	Spring Clip	Spring Clip	Spring Clip	Spring Clip
SDCM	5	5	5	5

General description

LumiStone is a LED luminaire consisting of two smaller ellipses rather than the traditional single voluminous piece. The ellipses have soft curvatures and resemble smooth stones found in nature. The flexible light effects created with direct and indirect light make LumiStone the perfect choice for inspiring lighting designs. With cutting-edge LED technology, LumiStone is also highly energy-efficient, delivering immediate savings on operational costs. A range of innovative mounting options make LumiStone extremely versatile in application.

Features

- Consistent light output
- Long life of 50000* hours
- CRI >80

Specifications
Type SP520P /SP524P/ SP522P /SP526P
Light Source Non replaceable LED module
Lumen output 2000 /4000 Lumen
Light Color 3000K / 4000 CCT
Power Consumption 30W & 40W
Voltage 220-240V AC 50 Hz
Driver Constant current driver along with option for DALI dimmable driver
Optics 1. Direct lighting 2. Combination of direct and indirect lighting
Material Polycarbonate housing
Installation Suspended
Color White
Lifetime 50000 Burning Hrs (At L70)
CRI >80

Color Kinetics



Realize your vision

Philips Color Kinetics offers professional LED lighting systems in a multitude of types, form factors, and output levels. Color-changing, tunable white, solid white, and solid color LED lighting fixtures deliver high-quality, digitally controllable light in the full range of interior and exterior architectural and entertainment applications. Our line of DMX and Ethernet controllers, video servers, controller accessories, and power / data supplies integrate seamlessly with our LED lighting fixtures in any installation, no matter how simple or complex.



Railway Station

Vijayawada, India

విజయవాడ

विजयवाडा



विजयवाडा

"We have used Philips Color Kinetics ColorBlast LED luminaires for façade lighting. Our management team is very happy with the lighting. We are planning to replicate similar lighting at other railway stations across the country."

- K Nagendra Prasad, Senior DEE, South Central Railways, India

Customer requirement

Install an energy efficient facade lighting solution.

What Philips offered



Color Kinetics ColorBlast LED luminaire

Results

- Low energy consumption.
- No maintenance.
- Long life.
- Improved facade lighting.



"We feel we've created something engaging and inspiring that has redefined not only perception of Asian Paints in the market but the Indian retail landscape in general."

- Mr. KBS Anand, President of Decorative Business, Asian Paints

Customer requirement

Design a flagship store that would inspire consumers to do more with colour by choosing the best lighting partner.

What Philips offered



Color Kinetics iColor Flex LED luminaire

Results

- Dynamic ambience.
- Energy efficient LED lighting.
- Comfortable lighting.
- Long life.



County Hall
London, UK

Customer requirement

Lighting system that allows County Hall to become a distinctive and attractive landmark on the night time scene as well as providing a sense of cohesion with other attractions along this popular stretch of the river. At the same time, the lighting solution should be flexible enough to accommodate the requirements of corporate clients who hire out the area for their own events.

What Philips offered



Color Kinetics ColorReach
Powercore LED luminaires

Results

- Energy efficient LED lighting.
- Better visual comfort with color changing light effects.
- Sleek aesthetics.
- Long life.

Gateshead
Millennium Bridge
Newcastle, UK



Customer requirement

LED architectural floodlight which is powerful enough to illuminate large-scale structures having more lumen output than any other comparable fixture for exterior illumination.

What Philips offered



Color Kinetics ColorReach
Powercore LED luminaires

Results

- Energy efficient LED lighting.
- Better visual comfort with color changing light effects.
- Sleek aesthetics.
- Long life.

Color Kinetics latest product range

Theatrical / Touring



Available in
Color-Changing LED Lighting Systems
IntelliWhite LED Lighting Systems

Graze / Wash



Available in
Color-Changing LED Lighting Systems
EssentialColor LED Lighting Systems
EssentialWhite LED Lighting Systems
IntelliWhite LED Lighting Systems

Flood / Spot



Available in
Color-Changing LED Lighting Systems
EssentialColor LED Lighting Systems
EssentialWhite LED Lighting Systems
IntelliWhite LED Lighting Systems

Cove



Available in
Color-Changing LED Lighting Systems
EssentialColor LED Lighting Systems
EssentialWhite LED Lighting Systems
IntelliWhite LED Lighting Systems

Direct View



Available in
Color-Changing LED Lighting Systems
EssentialWhite LED Lighting Systems

Task / Downlight



Controllers



Controller Accessories



LEDs: 1960 to today

1960	1970	1980	1990	2000	2013 and beyond
<ul style="list-style-type: none">• Red LEDs used as small indicator lights in electronic devices• First green and yellow LEDs	<ul style="list-style-type: none">• LEDs used in watches, calculators, electronics, traffic lights• First blue LEDs	<ul style="list-style-type: none">• First super-bright red LEDs	<ul style="list-style-type: none">• High-brightness blue LED created by Shuji Nakamura in 1993, allowing LED sources to produce virtually any color, including white• First white-light LED sources developed in 1996• LEDs begin to replace incandescent sources for applications that call for colored light• RGB lighting applications appear in 1998• High-brightness green and amber LEDs	<ul style="list-style-type: none">• Output levels of up to 100 lumens achieved• LEDs widely accepted for entertainment lighting by 2003• First tunable white light fixtures• White-light LEDs viable for accent lighting by 2004• White-light LEDs viable for general illumination by 2008	<ul style="list-style-type: none">• LED technology expected to be the preferred lighting method in homes and offices by 2025*

Notes

Notes

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