

The Philips logo is displayed in a white rounded rectangle on a dark blue background. It consists of the word "PHILIPS" in a bold, blue, sans-serif font.

Professional lighting

Office & Industry

A wide-angle photograph of a modern office interior. The space is filled with cubicles featuring light wood paneling and grey storage units. Numerous square LED light fixtures are recessed into the ceiling, providing bright, even illumination. A man in a light blue shirt and dark tie is walking through the center of the office, looking at a mobile device. In the foreground on the left, there is a large black and white office machine, possibly a copier or printer. The floor is covered in a blue carpet.

Creating smarter,  
safer and more productive  
**workplaces**



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## Brighten your business, uplift your productivity

Not just bright lights, but safety-compliant lights. The right lighting solutions should be incorporated within your facility spaces in efficient and effective ways. Amidst soaring energy prices and toughening legislation targets, lighting must be very carefully specified to ensure safety comes first, and that each zone is lit optimally and cost-efficiently to be suitable for specific tasks within every production line. Here's a short list of what our lighting solutions can offer you.

**Energy savings** – Saving energy and money via quality LED lighting is easy. Efficient lighting brings you instant savings, and with the portfolio from Philips, this could translate to energy savings of up to 75%.

**Enhanced safety** – Philips knows all about the right lighting levels and lumen output needed for different tasks. We also work with experts continuously to understand how lighting affects workers' morale, concentration and daily performance. When specified correctly, our lighting solutions can create an optimally-lit work environment that's safer and less straining for the operators.


**Superior Color Rendering Index** – Not all LEDs are made equal. Different types of illumination and different levels of light output quality can affect the perceived color of objects on which light falls. Color Rendering Index (CRI) is especially important for manufacturing industries and storage facilities where true, consistent colors on products and its packaging are expected to be seen at all times. Workers at warehouses are also expected to see that products and their packaging are of the right color, in order to be efficient during stock-taking and stock-picking.


**Improved productivity** – Philips lighting solutions are built to last. The long lifetime of fit-and-forget lighting solutions benefits your facilities – by reducing the need for maintenance, hence lowering your running costs. We have lights that are dust-resistant and waterproof, for use across assembly lines, cleanrooms, exposed outdoors and half-sheltered loading bays. We think about your investments and maintenance cycles before you do, so that you won't be caught offguard by untimely failures that can disrupt your production and hit your revenue.





# Overview


## of office


1
Reception and indoor public area



2
Breakout area



3
Open plan office



4
Corridors and circulation areas



5
Cell office



6
Meeting room and training room



7
Stairs


8
Restrooms


9
Cafeteria and pantry


10
Façade and exterior lighting


11
Carpark


12
Loading bay




# LuxSpace G4

New LED downlight range with full configurations, combining light comfort and leading performance with luxury looking.

### Benefits

- Energy saving counting on high system efficacy
- Compactness with visual comfort – less cut out with higher lumen
- Excellent light quality for visual comfort
- Multiple choices in terms of lumen, beam angle and lighting connectivity

### Suggested application

- General lighting:**
- 1 Reception and indoor public area breakout area
  - 3 Open plan office
  - 4 Corrdors and circulation areas
  - 5 Cell office
  - 6 Meeting room and training room
  - 7 Stairs
  - 8 Restrooms
  - 9 Cafeteria and pantry

### Technical specifications

Model	DN588/589/590/591/592/593/594B
System lumen	740/1000/1500/2000/2600/3400/43000lm
System power	6.6/8.4 ~ 9.3/13.5/17.5 ~ 19.3/22.6/32.5/39.7W 8/10.5/14/18.8/17.5 ~ 20/23.3/30.8/39W
System efficacy (PSU)	110lm/W ~ 120lm/W
LED driver	Fixed output/ DALI/ DALI-VLC (ETO)/ POE
Color temperature	3000K/4000K
Reflector	Aluminum
Materials & finishing	PC diffuser with high haze and light transmission Die-casting aluminum heat sink
Working temperature	- 20°C < Ta < 40°C
Dimensions (Dia x H), weight	D100 cut out: Ø112 x 68mm, 0.38kg D125 cut out: Ø137 x 90mm, 0.45kg D150 cut out: Ø162 x 100mm, 0.80kg D200 cut out: Ø212 x 130mm, 1.40kg
Certifications	CB, EMC, ASNZ, CE

CRI

>80

SDCM

<3.5

PF

>0.9

220-240V

50/60Hz

IP

20/54

50,000

H

Note: Product specifications can be changed without prior notice.

# GreenSpace G5

New LED downlight with high efficacy, design compactness and multiple options in terms of lighting connectivity.

### Benefits

- Energy saving counting on high system efficacy
- Compactness with visual comfort – less cut out with higher lumen
- Excellent light quality for visual comfort
- Multiple choices in terms of lumen, beam angle and lighting connectivity

### Suggested application

- General lighting:**
- 1 Reception and indoor public area breakout area
  - 3 Open plan office
  - 4 Corrdors and circulation areas
  - 5 Cell office
  - 6 Meeting room and training room
  - 7 Stairs
  - 8 Restrooms
  - 9 Cafeteria and pantry

### Technical specifications

Model	DN390/391/392/393B
System lumen	600lm/950lm/1100lm/1600lm/2200lm
System power	5.5W/9.5W/14.5W/19W (PSU version) 8W/11.5W/15.5W/20.5W (PSD version)
System efficacy (840 PSU)	Average 110lm/W
LED driver	Fixed output/ DALI / DALI-VLC (ETO)/ POE (STD&ETO)/C4M
Color temperature	3000K/4000K/6500K
Reflector	Aluminum / White
Materials & finishing	PC diffuser with high haze and light transmission. Die-casting aluminum heat sink
Working temperature	- 20°C < Ta < 40°C
Dimensions (Dia x H), weight	D100: Ø120 x 98mm; PSU: 0.46kg, PSD: 0.80kg D150: Ø162 x 100mm; PSU: 0.70kg, PSD: 0.93kg, POE: 1.30kg D200: Ø216 x 108mm, PSU: 1.10kg, PSD: 1.20kg, POE: 1.53kg
Certifications	CB, EMC, ASNZ, CE

CRI

>80

SDCM

≤5

PF

>0.9

220-240V

50/60Hz

IP

20/54

50,000

H

Note: Product specifications can be changed without prior notice.



# GreenSpace Power G2

## DN284/285

The successor of G1 with extremely high efficacy, delivering substantial energy saving and offering high lumen output up to 4,500lm with 8” and 10” dimension.

Benefits

- Energy saving : Outstanding system efficacy, up to 110lm/W
- Easy: Integral lightweight design, saving installation cost
- Flexible: Different dimensions and powers to choose from

Suggested application

- General lighting:
- 1 Reception and indoor public area
  - 2 Breakout area
  - 3 Open plan office
  - 4 Corridors and circulation areas
  - 5 Cell office
  - 6 Meeting room and training room
  - 7 Stairs
  - 8 Restrooms
  - 9 Cafeteria and pantry



Technical specifications

Model	DN284/285
System lumen	3500lm/4500lm
System power	34W/41W
System efficacy	102lm/W ~ 110lm/W
LED driver	Fixed output
Color temperature	3000K/4000K
Materials & finishing	Optics: MCPET high reflectance film, PMMA diffuser with high haze and light transmission Reflector: White, high purity aluminum, high reflectance coating Driver box: PC plastics; Clips: Piano wire spring clip, PC plastic clip
Working temperature	- 20°C < Ta < 40°C
Cut-out	200~205mm (8”)/ 250~255mm (10”)
Dimensions (Dia x H), weight	DN284B-8/DN285B-8: Ø234 x 117mm, 0.5kg DN284B-10/DN285B-10: Ø294 x 163mm, 0.7kg
Certifications	CB, EMC, CE

CRI 80

SDCM 4

220-240V 50/60Hz

PF 0.95

IP 20

25,000 H

# GreenSpace Surface-mounted



Blending seamlessly into its environment, it mimics the form of conventional recessed downlights minus the associated high energy and maintenance costs.

Benefits

- System efficacy of 100lm/W
- Two optical beams for different lumens to cater to different mounting heights
- Reliable performance, good light quality
- Integral lightweight design, saving installation cost

Suggested application

- General lighting:
- 1 Reception and indoor public area
  - 2 Breakout area
  - 4 Corridors and circulation areas
  - 9 Cafeteria and pantry
  - 10 Façade and exterior lighting (capony)

Technical specifications

Model	SM291C/293C/294C/295C
System power	10W/20W/38W/66W
System lumen	4,000K: 1,000lm/2,000lm/3,800lm/6,600lm
System efficacy	4,000K: 100lm/W
Color temperature	3,000K/4,000K/6,500K
Driver	Fixed output
Working temperature	-20°C < Ta < 40°C
Materials & finishings	Housing: White, Polycarbonate+Aluminum, Aluminum reflector + PC diffuser
Installation	Surface mounted
Dimensions (mm), weight	SM291C/293C (IP20): Ø160xH135mm, 0.6kg SM294C (IP20): Ø160xH170mm, 0.6kg SM294C (IP65): Ø200xH239mm, 0.8kg SM295C (IP20/IP65): Ø200xH239mm, 2.2kg
Certifications	CB, EMC, CE, SAA

CRI >80

SDCM <5

220-240V 50/60Hz

PF >0.9

90°/60°

IP 20/65

50,000 H

CLASS I

UGR 22~25



Integral  
lightweight  
design

Note: Product specifications can be changed without prior notice.



≤ 66%  
energy  
saving\*

\*In comparison with conventional downlight  
Note: Product specifications can be changed without prior notice.



# SmartBright G4 DN035B

A value for money LED functional downlight with high efficacy delivering substantial energy saving. A Reliable LED downlight for general lighting application

Benefits

- Good light quality and comfort light
- Robust design** – Metal housing gives robust look & feel
- Diversity with 4 lumen package; 3 CCT; 4 Cut-out size to cater for different customers' needs

Suggested application

**General lighting:** 2 Breakout area 3 Open plan office 4 Corridors and circulation areas 7 Stairs 8 Restrooms 9 Cafeteria and pantry



Technical specifications

Model	DN035B LED6/LED8/LED12/LED15
System lumen	600lm/800lm/1200lm/1500lm
System power	7W/9W/14W/16W
System efficacy	> 85 lm/w
Color temperature	3000K/4000K/5000K
LED driver	Fixed output (Integrated with luminaire)
Connection	Screw terminal (CAU version: 1.2m flexi cable with plug)
Reflector	Aluminum
Materials & finishing	PC diffuser with high light transmission. High reflectance aluminum reflector (white color)
Working temperature	- 20°C < Ta < 40°C
Cut-out	100mm/150mm/175mm/200mm
Dimensions (Dia x H)	Ø116x78/Ø173x100/Ø203x112/Ø233x120 (mm)
Certifications	CE, CB, EMC, CCC, AS/NZS(IC)

CRI >80

SDCM <5

PF >0.9

220-240V 50/60Hz

30,000 H

IP 20

CLASS II

# Essential SmartBright G2 DN028B

A value for money product with high efficacy, good quality and reliability. It offers diverse configurations to replace conventional compact fluorescent downlight.

Benefits

- Reliability and safety: meets national and international regulations
- Energy saving: High system efficacy with lower power consumption
- Easy installation: Integral light weight design, comes with flexible cable

Suggested application

**General lighting:** 1 Reception and indoor public area 2 Breakout area 3 Open plan office 4 Corridors and circulation areas 5 Cell office 6 Meeting room and training room 7 Stairs 8 Restrooms 9 Cafeteria and pantry



Technical specifications

Model	DN028B – (CAU version)	DN028B – (TB version)
Type	LED8/LED12/LED15/LED20	LED8
System lumen	800lm/1200lm/1500lm/2000lm	800lm
System power	10W/15W/18W/23W	10W
System efficacy	80 ~ 85lm/w	
Color temperature	3000K/4000K	
LED driver	Remoted driver; Trailing/leading edge dimmable; or Fixed output (Integrated with luminaire)	
Connection	1.2m flexible cable with plug	150mm remote terminal block
Materials & finishing	Metal housing with RAL9003 white painting, PC white(RAL9003) back cover; PC light diffuser	
Working temperature	- 20°C < Ta < 40°C	
Cut-out (mm)	Ø90/Ø150/Ø175/Ø200	Ø90/Ø125
Dimensions (Dia x H)	Ø115x33mm/Ø175x33mm Ø200x33/Ø225x33mm	Ø115x33/Ø150x33
Certifications	CB, EMC, AS/NZS60598 (IC-F)	

CRI >80

SDCM <5

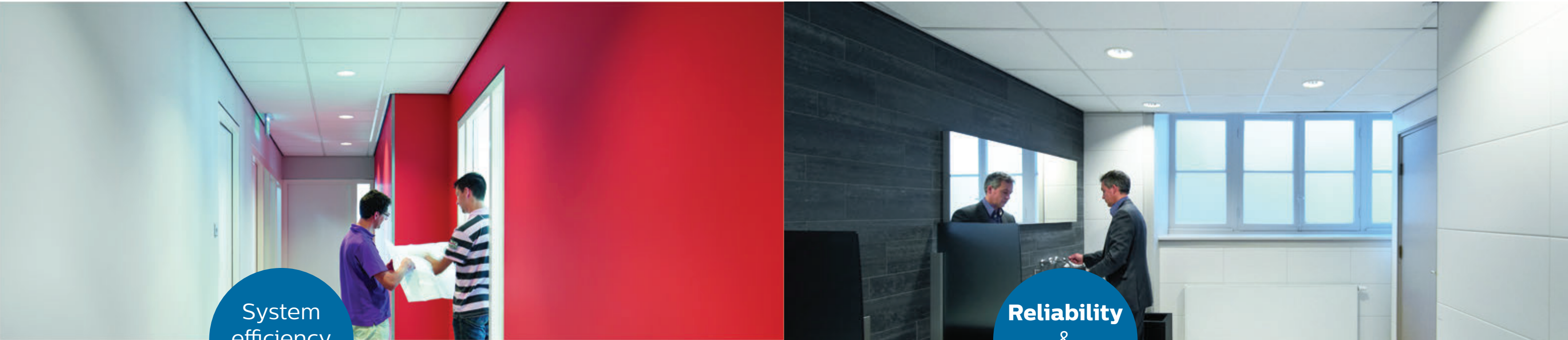
220-240V 50/60Hz

PF ≤0.9

25,000 H

IP 20

CLASS I&II



System efficiency  
≤ 120lm/W

Note: Product specifications can be changed without prior notice.

Reliability  
&  
Safety

Note: Product specifications can be changed without prior notice.



# Essential SmartBright G3

## DN029B

Integrated with leading edge dimming capability, this affordable fitting delivers high energy savings without compromising on light quality.

### Benefits

- Select from 3 colour temperatures with a slide of the dial
- Trailing/ leading edge dimmable
- Brush aluminium trim included
- Easy to install and IC-4 rated

### Suggested application

**General lighting:** 1 Reception and indoor public area 2 Breakout area 3 Open plan office 4 Corrdors and circulation areas 5 Cell office 6 Meeting room and training room 7 Stairs 8 Restrooms 9 Cafeteria and pantry

### Technical specifications

Model	DN029B-LED8/DN029B-LED12/DN029B-LED20
System power	10W/14W/24W
System lumen	800lm/1200lm/2000lm
System efficacy	86lm/W
Color temperature	3000K/4300K/6500K
Operating temperature	25°C (-20°C < ta < 40°C)
Installation	Recessed
Materials & finishing	RAL9003 Diffuser: Polycarbonate (PC) Housing: Polybutylece Terephthalate (PBT)
Cable	1.2m pre-wired AU flex & plug
Accessory	Brush aluminium trim, click on to fitting
Dimensions (Dia x H), weight	Cut out: Ø115 x 64mm, 0.22kg Cut out: Ø175 x 65mm, 0.38kg Cut out: Ø225 x 65mm, 0.62kg

CRI >80

220-240V 50/60Hz

PF 0.8

105°

25,000 H

IP 20/44

CLASS II



# SmartBright Bulkhead

## WL008C

A robust and solid light fixture, with excellent light quality and substantial energy & maintenance savings. Designed for both indoor and exterior application, it is also maintenance free by seal for life integral design.

### Benefits

- Energy saving and brighter with lumen output >1100lm.
- Robust design and reliable quality with polycarbonate housing, optional silver trim included.
- Easy Installation with stainless installation accessory all in 1 package, optional knock-out, large terminal block.

### Suggested application

**General lighting:** 7 Indoor parking and loading bay (Canopy, wall, etc.)

### Technical specifications

Model	Bulkhead Round	Bulkhead Oval
Dimension (mm)	ø182 x 64	133 x 223 x 68
System power	15W	
System lumen	> 1100lm	
Color temperature	4000K	
Light distribution	L-B 110	
Control	Fixed Only	
Warranty	3 years	
Operating temperature	-20°C ~ +40°C	
Installation	Surface mounted	
Accessory	2 pcs x ( screws + expansion bolt )	
Wiring	Standalone: terminal block PA10 Loop in loop out: MCB TYPE B 16A 20 pcs/ TYPE C 16A 32 pcs	
Certifications	ASNZS (AU certificate)	

CRI >80

SDCM <6

220-240V 50/60Hz

PF >0.9

30,000 H

IP 65 IK 06

CLASS II



System efficiency  
110lm/W

Note: Product specifications can be changed without prior notice.



Maintenance free

Note: Product specifications can be changed without prior notice.



# PowerBalance G3

## RC600B

Integrating ActiLumeWireless 4.1 in an elegant design, PowerBalance G3 offers additional energy saving through daylight harvesting and motion sensing with easy installation .

### Benefits

- Excellent glare control, UGR 15~16
- Additional energy saving and lighting flexibility in combination with motion sensing and daylight harvesting
- Modular flexibility offering more sizes to cater to different needs

### Suggested application

**General lighting:** 1 Reception and indoor public area 3 Open plan office 5 Cell office 6 Meeting room and training room



### Technical specifications

Model	RC600B 30S/ 40S
System lumen	3100lm/4000lm
System power	24~25W/ 32W
System efficacy	124~130lm/W
LED driver	Fixed output / DALI
Color temperature	4000K/6500K
Controller	ActiLume Wireless 4.1
ActiLume Instructions	Functionality: daylight harvesting; motion sensing Detection area: 4.0m x 5.0m for minor movements (at a desk); 6.0m x 8.0m for major movements (walking) Recommended sensing height: 2.7m
Working temperature	- 20°C < Ta < 40°C for PSU & PSD; 0°C < Ta < 40°C for ACW
Dimensions, weight	RC600B W60L60: 597x597x70mm, 5.5kg RC600B W30L120: 297x1197x70mm, 5.5kg
Programming tool	IRT9090 (order seperately)
Certifications	CB, EMC, CE, SAA

CRI 80

SDCM ≤4

220-240V 50/60Hz

PF 0.95

50,000 H

IP 20

# SlimBalance

## RC550B

A full range of product family with sleek and elegant design helps to create attractive and differentiated space for customers. Its office compliant version delivers comfortable light with good quality.

### Benefits

- Sleek and elegant design
- Complete solution covering different mounting requirements, lengths, end cap including corners
- Good light quality, office compliant

### Suggested application

**General lighting:** 1 Reception and indoor public area 3 Open plan office 5 Cell office 6 Meeting room and training room



### Technical specifications

Model	SP/SM/RC550
System lumen	2000lm, 4000lm, 4500lm
System power	18/22W, 34/36/40W, 41W
System efficacy	90lm/W
LED driver	Fixed output/Dali
Color temperature	4000K/6500K
Materials & finishing	Housing: Aluminum
Working temperature	- 20°C < Ta < 40°C
Dimensions, weight	SP/SM/RC550 L60: 630 x 70 x 105mm, 2.05kg SP/SM/RC550 L120: 1230 x 70 x 105mm, 3.35kg SP/SM/RC550 L150: 1555 x 70 x 105mm, 3.95kg
Installation	Suspended/Surface mounted/Recessed
Certifications	CB, EMC, CE, ASNZ, SAA

CRI 80

SDCM ≤4

220-240V 50/60Hz

PF 0.9

IP 20

50,000 H



\*In comparison with conventional downlight  
**Note:** Product specifications can be changed without prior notice.



**Note:** Product specifications can be changed without prior notice.



RECESSED

# CoreView G3

## RC420B

CoreView G3 keeps the design excellence generation with higher efficiency for energy saving. As an indirect architecture, it delivers soft and comfortable light with LED light source invisible from users.

### Benefits

- System efficacy ≥100lm/W
- Saving more than 60% energy compared to conventional T5 solution
- Soft and uniform light delivery
- Simple design, elegant appearance

### Suggested application

General lighting: 3 Open plan office 5 Cell office  
6 Meeting room and training room

### Technical specifications

Model	RC420B 35S/ 50S
System lumen	3600lm/5000lm
System power	36W/50W
System efficacy	100lm/W
LED driver	Fixed output / DALI
Color temperature	3000K/4000K/6500K
Materials & finishing	Housing: SPCC = 0.6mm; Painting white PMMA optical lens
Working temperature	0°C < Ta < 40°C
Dimensions, weight	RC420B W60L60: 597x597x121mm, 4.6/4.8kg RC420B W30L120: 297x1197x96mm, 4.7/4.9kg RC420B W60L120: 597x1197x121mm, 8/8.2kg
Installation	Recessed
Certifications	CB, EMC, CE, ASNZ

CRI 80

SDCM 4

220-240V 50/60Hz

PF 0.9

50,000 H

IP 20

RECESSED

# SmartPanel G3

## RC160V

Keeping the slim design of SmartPanel G2 with performance improvement and more cost effective architecture, it offers two lumen options with higher system efficacy.

### Benefits

- Energy saving up to 55% in comparison with TL troffer
- Slim design preferred by lighting designer and specifier
- Delivering uniform and soft light with sufficient lumen output

### Suggested application

General lighting: 3 Open plan office 4 Corridors and circulation areas 6 Meeting room and training room

### Technical specifications

Model	RC160B 25S/ 34S
System lumen	2500lm/3400lm
System power	26W/36W
System efficacy	95lm/W
LED driver	Fixed output / DALI
Color temperature	4000K/6500K
Materials & finishing	Frame: AL 6063 (T>=1mm), painted white Diffuser: PS (T=1.2mm) Bezel: Steel plate (T=0.4mm), grey
Working temperature	- 20°C < Ta < 40°C
Dimensions	RC160V W60L60: 597x597x12mm, 3.3kg RC160V W30L120: 297x1197x12mm, 3.4kg
Installation	Recessed/suspended
Accessory	Suspension kit for suspended version included in FG package
Certifications	CB, EMC, CE

CRI 80

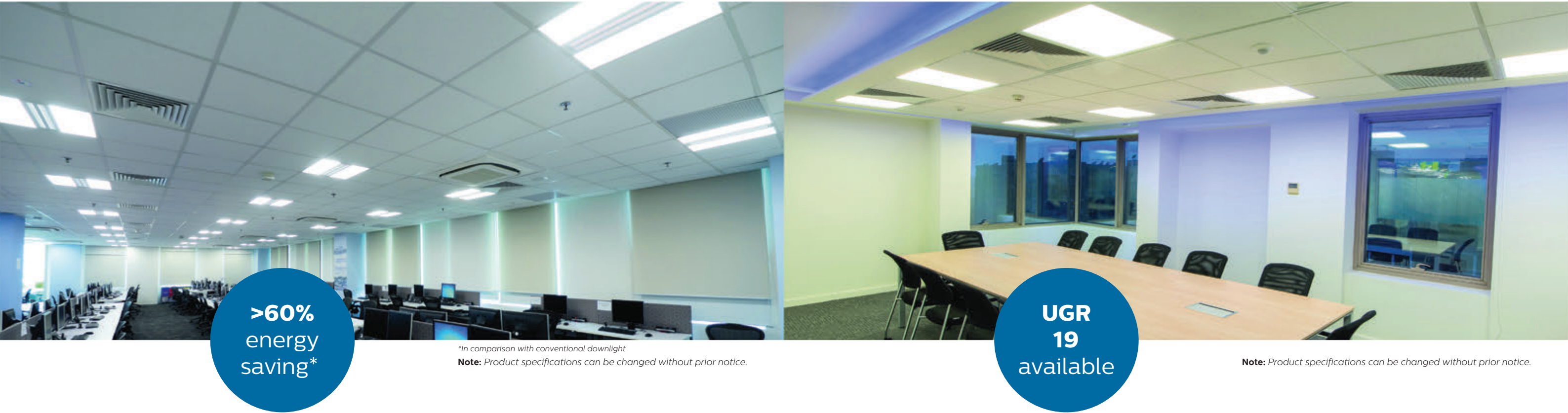
SDCM 4

220-240V 50/60Hz

PF ≥0.95

50,000 H

IP 20



>60%  
energy  
saving\*

\*In comparison with conventional downlight  
**Note:** Product specifications can be changed without prior notice.

UGR  
19  
available

**Note:** Product specifications can be changed without prior notice.



RECESSED

# GreenPerform Troffer

RC100B/RC100X/SM100C

GreenPerform Troffer improves the compact design and performance of the last generation. Integrating with all available system, it offers additional energy saving and connected features.

Benefits

- >60% more energy efficient compared to conventional TL solution
- Additional energy saving up to 50% in combination with controls
- Design improvement towards last generation for both recessed and suspended types

Suggested application

General lighting: 3 Open plan office 5 Cell office 6 Meeting room and training room

Technical specifications

Model	RC100C/SM100C 27S/ 37S
System lumen	2700lm/3700lm
System power	23W/32W
System efficacy	116 - 125lm/W
LED driver	Fixed output / DALI
Color temperature	4000K/6500K (3000K available via ETO)
Materials & finishing	Housing: SPCC = 0.5mm, Painting white RAL9003, PC diffuser, PMMA optical lens for UGR19 W30L120 high lumen version
Working temperature	0°C < Ta < 40°C
Dimensions, weight	597x597x46mm/297x1197x46mm, 2.8kg 597x597x56mm/197x1197x56mm, 4.4kg 597x1197x46mm, 5kg/597x1197x 56mm, 7kg
Installation	Recessed/ Surface mounted & suspended
Certifications	CCC, CB, EMC, CE

CRI 80

SDCM ≤4

220-240V 50/60Hz

PF 0.9

50,000 H

IP 20



RECESSED

# SmartBright Troffer G3

RC098V

The most affordable LED troffer delivering comfortable light with high quality. With linear design, it provides the visual continuity to customers who prefer the look & feel of TL troffer

Benefits

- 60% more energy efficient than conventional TL solution
- Full range of sizes to fit with different types of ceiling grid
- Multiple mounting to cater various applications

Suggested application

General lighting: 1 Reception and indoor public area 3 Open plan office 6 Meeting room and training room

Technical specifications

Model	RC098V 22S/ 44S
System lumen	2450lm/4900lm
System power	26W/52W
System efficacy	95lm/W
LED driver	Fixed output
Color temperature	4000K/6500K
Materials & finishing	SPCC=0.5mm; PS optical diffuser; Painting white
Working temperature	0°C < Ta < 40°C
Dimensions, weight	RC098V W60L60: 597x597x32mm, 2.5kg RC098V W30L120: 297x1197x32mm, 2.3kg RC098V W60L120: 597x1197x32mm, 4.3kg
Installation	Recessed; Suspended; Plaster ceiling
Certifications	CB, EMC, ASNZ

CRI 80

SDCM 4

220-240V 50/60Hz

PF 0.9

25,000 H

IP 20



High reliability

Note: Product specifications can be changed without prior notice.



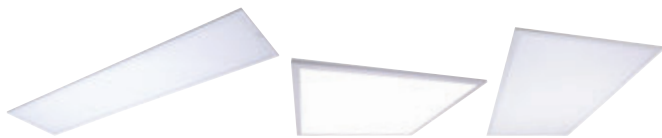
Cost effective luminaire design

Note: Product specifications can be changed without prior notice.



# SmartBright Slim Panel

## RC091V



The most affordable LED solution to replace TL troffer. Its slim design and multiple mounting options cater various applications.

Benefits

- Recessed, suspended, plaster ceiling (PCV) – multiple mountings to cater various applications
- Slim design
- Full window illumination delivers comfortable light with excellent uniformity

Suggested application

General lighting: 3 Open plan office 4 Corridors and circulation areas 6 Meeting room and training room

Technical specifications

Model	RC091V W60L60	RC091V W30L120	RC091V W60L120
System lumen	2600lm	3600lm	5000lm
System power	34W	45W	62W
System efficacy	80lm/W		
Color temperature	4000K/6500K		
Working temperature	-10°C ~ 35°C		
Driver	Fixed output		
Lifetime (hour)	25,000	25,000	30,000
Dimensions (mm)	597x597 mm	297x1197 mm	595x1195 mm
Height (mm)	Luminaire: 10mm (without mounting accessories) Luminaire + driver: 40mm/41mm		
Installation	Recessed/Suspended, PCV		Recessed
Materials & finishing	Metal housing with white painting, PS diffuser		
Certifications	CB , EMC , CE, ASNZ		ASNZS, CB , EMC

CRI ≥80

SDCM 5

220-240V 50/60Hz

PF ≥0.9

IP 20

# MASTER LEDtube High Output



A reliable value-for-money LED lamp incorporating frontier LED chips and other advanced technologies. It saves more than 55% energy and significant maintenance cost in comparison to fluorescent lamps.

Benefits

- Advanced optical design ensures a uniform light output and superior optical efficiency
- No mercury, no breakage and pollution risk
- Protection circuit inside ensuring people's safety in case of misuse, complying with IEC safety requirements. Pass 4KV high-pot test, insulation & safety guaranteed.
- 100% comply with IEC requirement on T8 dimension, fitting into fluorescent luminaire perfectly.

Suggested application

General lighting: 1 Warehouse 2 Production area – low ceiling 3 Production area – medium and high ceiling 5 Control room 24/7 6 Office 7 Indoor parking and loading bay

Technical specifications

Product Description	Power consumption (W)	Equivalent Fluorescent Wattage (W)	Cap	Length (mm)	Lumen output (Typical) (Lm)	Color Temp (K)
MAS LEDtube 9W830 T8	9	18	G13	600	1,000	3,000
MAS LEDtube 9W840 T8	9	18	G13	600	1,050	4,000
MAS LEDtube 9W865 T8	9	18	G13	600	1,050	6,500
MAS LEDtube 16W830 T8	16	36	G13	1,200	2,000	3,000
MAS LEDtube 16W840 T8	16	36	G13	1,200	2,000	4,000
MAS LEDtube 16W865 T8	16	36	G13	1,200	2,100	6,500

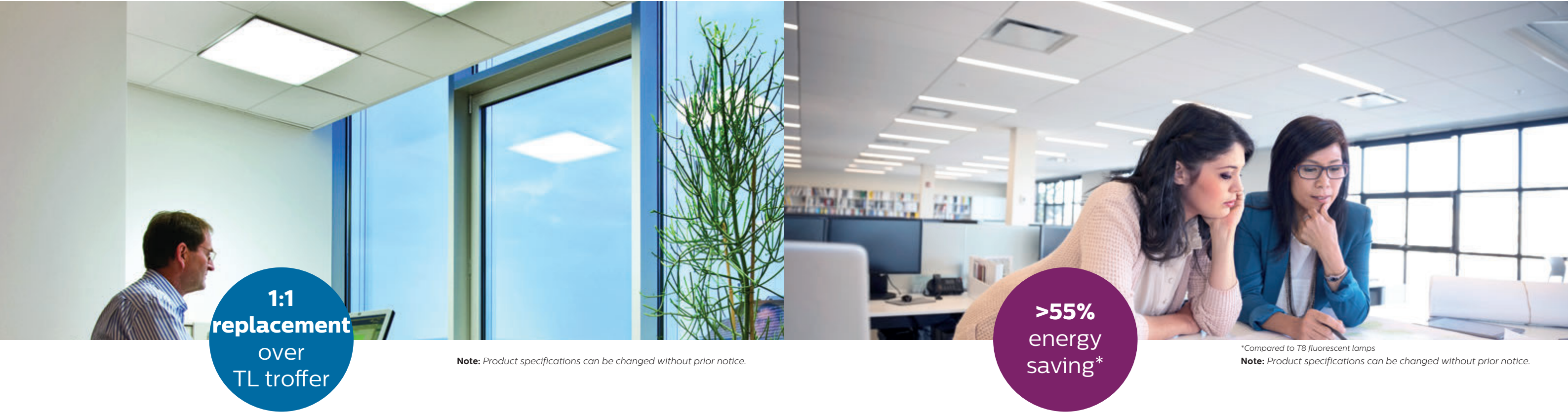
Approbation & Certificates  
Philips MASTER LEDtube is designed by strictly following applicable legislation and international standard. The product complies with TUV, CE, KEMA, RoHS and REACH.

CRI 83

220-240V 50/60Hz

50,000 H

160°



Note: Product specifications can be changed without prior notice.

\*Compared to T8 fluorescent lamps  
Note: Product specifications can be changed without prior notice.



# Overview

of an industrial workplace



**1**  
Warehouse

**2**  
Production area  
Low ceiling – 2 to 6 meters

**3**  
Production area  
Medium to high ceiling – 6 to 30 meters)

**4**  
HACCP areas  
and cleanroom

**5**  
Control room  
24/7

**6**  
Offices

**7**  
Indoor  
parking and  
loading bay

**8**  
Outdoor  
parking  
and streets

**9**  
Material  
handling



# GreenPerform Batten Intelligent

## BN208C/BN208X

BN208C Dali is a high quality LED batten that delivers significant energy savings. BN208X incorporates the reliable structure, and the global standard ZigBee control system to achieve an easy-to-use networked solution.

### Benefits

- Excellent color uniformity and color rendering
- Built-in daylight harvest and occupancy sensor determines working mode by situation, enhance saving power
- ZigBee communication in between fixtures enables easy installation, re-networking, re-zoning and programing to maximize energy saving
- Comprehensive options of controllable solution (normal DALI and 1~10V versions)
- Specific design of optic distribution to enhance vertical illumination on shelves

### Suggested application

General lighting: 1 Warehouse 2 Production area – low ceiling 7 Indoor parking and loadin bay



### Technical specifications

BN208X LED40/LED60	4,000lm	6,900lm
Dimmable Output DALI (PSD)	✓	✓
Intelligent (ACW)	✓	✓
System power	32W	53W
System efficacy	125lm/W	130lm/W
Color temperature	4,000K/ 6,500K	
Optic	Matt	
Materials & finishing	Housing: 0.5mm Sturdy cold rolled sheet steel Cover: PMMA (Diffused); Endcap PC	
Dimensions (mm)	1188x57x58	1469x57x58
Mounting	Surfaced/ Suspended (Bracket)	
Installation	Standalone	

CRI 80

SDCM <4

220-240V 50/60Hz

PF 0.95

50,000 H

IP 20

# CoreRange LED Batten G2

## BN188/189C

A high quality LED batten with high system efficacy that delivers significant energy savings. Reliable and robust housing structure maximizes the endurance and long lifetime.

### Benefits

- High energy saving: System efficacy 108~126lm/W for 4000/6000lm, up to 57% comparing to TL-D batten
- Comfort light experience: high quality diffused cover provide excellent uniformity
- Trunkable system with dedicated connecting accessories for continuous line of light by using, max.24 pcs in connection
- Application & installation flexibility: symmetric and asymmetric choices, surface and suspension mounting with various options

### Suggested application

General lighting: 1 Warehouse 2 Production area – low ceiling 7 Indoor parking and loading bay



### Technical specifications

System lumen	6,300lm	6,000lm	3,300lm	4,100lm	4,000lm	2,400lm	2,100lm	1,000lm
System power	54W	54W	26W	37W	37W	19W	22W	10W
Efficacy (lm/w)	116	111	126	110	108	126	95	100
Length	1,416mm		1,135mm			573mm		
Optical cover	Clear	Frosted	Frosted	Clear	Frosted	Frosted	Clear	Frosted
Driver	Xitanium			CertaDrive		Xitanium		
Color temperature	4000K/6500K							
Assembly	Standalone/Trunkable (BN188/189C)							
Cable entry	In the middle**							
Materials & finishing	Housing: 0.6mm SPCC / Cover: PMMA							
Mounting	Surfaced; Suspended							

CRI >80

SDCM <5

220-240V 50/60Hz

PF 0.9/0.95

50,000 H

IP 20

CLASS I



>58% energy saving\*



Comfort lighting experience

\*Compared to TLD batten  
Note: Product specifications can be changed without prior notice.

Note: Product specifications can be changed without prior notice.



# GreenPerform Trunking

## LL120X

An innovative LED solution that intelligently combines high-performance lighting features with maximized energy savings. This solution is the perfect direct replacement for conventional fluorescent trunking.

### Benefits

- Specially designed plastic caps improving uniformity along the length.
- 3 different beam angles available (Double asymmetric/Wide-beam/Opal) for different applications.
- Integrated modular design with 3-phase 5-wire connection ensuring easy and flexible installation, and separate phase controlling.

### Suggested application

**General lighting:** 1 Warehouse 2 Production area – low ceiling 3 Production area – medium and high ceiling

### Technical specifications

Models	LL120X High lumen output		LL120X Standard output	
System lumen	7,600lm	15,200lm	3,800lm	7,600lm
System power	70W	140W	35W	70W
System efficacy	108lm/W			
Length	1.5m	3.0m	1.5m	3.0m
Max. installation quantity (pcs)	72	36	144	72
Max. connection length (PSU)	108m		216m	
Max. connection length (PSD)	90m			
Color temperature	4000K/6500K			
Optic	DA/WB/OPAL			
Control	PSU/DALI			
LED chip	Nichia		Philips Lumileds	
LED driver	Philips Xitanium			
Cabling	Cable with 3-phase and 5-wire, rated 10A for each phase			
Materials & finishing	Track: extrusion aluminum, body: galvanized steel, cover: PC lens			
Operating temperature	-20°C ~ 40°C			
Installation	suspended, surfaced			
Certification	CCC/CB/EMC			

CRI 85

SDCM <4

220-240V 50/60Hz

PF >0.9

50,000 H

IP 20

CLASS I



# Essential LEDtube Batten

## BN010C

This product is one bare batten for matching Philips TLED product with elegant design and more safety.

### Benefits

- One end power supply, dedicatedly designed for Philips EcoFit LEDtube 16w/8w.
- Enhanced safety design for usage and re-lamp-ing: In-built fuse protects against incorrect use with fluorescent lamp - Compliant with IEC 60598 standard.
- Hassle –free installation - Wire “guide” slot to enable easy and tidy installation - Clip-on brackets.

### Suggested application

**General lighting:** 1 Warehouse 2 Production area – low ceiling 7 Indoor parking and loadin bay

### Technical specifications

Models	BN010C 1xTLED L600	BN010C 1xTLED L1200
Length (m)	0.6	1.2
Dimension (mm) (L x W x H)	612 x 33 x 43.5	1222 x 33 x 43.5
Working temperature	-20 ~ 40°C	
Connection	Flying wire, 150mm long	
Installation	Surface mounted, suspension (rope to prepare separately), not to install horizontally	
Lamp replaceable	Yes	
Lamp type	Philips EcoFit LEDtube lamp 8w/16w	
Materials & finishing	Aluminium, one piece extrusion, seamless, screw-less. Powder paint, RAL9003 white	
Fuse	500mA, fast action,VDE certified	
Accessory	2 brackets + 2 screws (inside the package), can order with separate 12ncs	
Approbation	IEC 60598 report	

220-240V 50/60Hz

IP 20

CLASS I



**Note:** Product specifications can be changed without prior notice.

**Note:** Product specifications can be changed without prior notice.



# GreenPerformWaterproof G2 WT188C

An upgraded functional product designed for both indoor and semi-outdoor application, providing excellent lighting quality and free maintenance. GreenParking wireless motion detective system maximizes energy saving and new lighting experience.

### Benefits

- Leading design: integral system design, dual extrusion technology, GreenParking system ready.
- Excellent performance: good uniformity, high light quality, excellent TCO efficiency.
- Reliable quality: can be applied in various industrial environments.
- Easy wiring: 3 different wiring options fulfill customer wiring habits, and save labor cost.

### Suggested application

- General lighting:** 2 Production area – low ceiling (food & beverage) 4 HACCP areas and cleanroom
- 7 Indoor parking and loading bay 8 Material handling

### Technical specifications

Models	GreenPerform Waterproof G2 WT188C				
T5/T8 Replacement	1/2 x 18W/14W	1/2 x 36W/28W	1/2 x 58W/54W		
Length	600mm	1200mm	1500mm		
System lumen	1000lm	2000lm	2000lm	4000lm	5400lm
System power	9W	18W	16W	34W	50W
System efficacy	111 lm/w	111 lm/w	125 lm/w	117 lm/w	108 lm/w
Color temperature	4000K/6500K				
Photometric	Symmetrical				
Dimesntion	W x H: 84.5 x 83.5 mm				
Operating temperature	L600 and L1200: - 30°C ~ +45°C L1500 mm: - 30°C ~ +40°C				
Connect interface	Terminal block push –inside; Middle wiring; Through wiring max. 25pcs (L1200mm); Flying wire 0.3m (ETO option)				
Installation	Surface & suspension				
Control	Fixed & Dali ACW Wireless (motion detective)				
Approbation	CB, EMC, CE, SAA				

CRI >80

SDCM <5

220-240V 50/60Hz

PF 0.9/0.95

50,000 H

IP 65 IK 08

CLASS I

# GreenUp Waterproof WT118C

A highly efficient and reliable LED luminaire designed for industrial application with humid and dust protection requirement. Utilization of UV-shield PC and extrusion process, together with the built-in breather ensure a sound performance.

### Benefits

- High energy efficient
- Long life time
- Good light effect
- Flexible installations

### Suggested application

- General lighting:** 2 Production area – low ceiling (food & beverage) 4 HACCP areas and cleanroom
- 7 Indoor parking and loading bay 8 Material handling Corridors/walkways

### Technical specifications

WT118C	4800lm	3800lm	1800lm	2000lm	1000lm
Fixed output (PSU)	✓	✓	✓	✓	✓
Dimmable output DALI (PSD)	✓	✓	✓	✓	✓
System power	46W	36W	20W	21W	11W
System efficacy (lm/W)	>104	>105	>90	>95	>90
Length	1450mm	1168mm	604mm		
Color temperature	4000K/6500K				
Optic	Matt				
Materials & finishing	Dark grey RAL 7046; Shading side: PC; Breather: Donaldson Diffusion side: UV-shielding & PC for thermal stability Sealant: DoW Corning744; Accessories: SUS301 stainless steel				
Working temperature	-20C~+40C				
Installation	Surface/Suspension				
Certificate	CB, EMC, AU&N, CE				

CRI 85

SDCM <5

220-240V 50/60Hz

PF >0.9

40,000 H

IP 65 IK 06

CLASS I



Note: Product specifications can be changed without prior notice.



\*Compared to conventional dual-T8 waterproof  
Note: Product specifications can be changed without prior notice.



# SmartBright Waterproof G2 WT066C

An innovation from SmartBright Waterproof G1 that can replace traditional waterproof luminaires with fluorescent lamps or LED tubes. It provides quality of light with substantial energy & maintenance savings.

### Benefits

- Robust design: Polycarbonate housing, dual extrusion technology.
- Excellent Performance: good uniformity, high quality light, brighter with higher lumen output.
- Easy Installation: Stainless universal mounting clip, stainless screws, stainless hooks, all in 1 package with luminaire.

### Suggested application

- General lighting:** 2 Production area – low ceiling (food & beverage) 4 HACCP areas and cleanroom
- 7 Indoor parking and loading bay 8 Material handling

### Technical specifications

Models	SmartBright Waterproof G2 WT066C				
1:1 Conventional Replacement	1/2 x 18W/14W	1/2 x 36W/28W	1/2 x 58W/54W		
Length	600mm	1200mm	1500mm		
System lumen	900lm	1800lm	1800lm	3600lm	5400lm
System power	9W	19W	19W	40W	49W
System efficacy	> 90 lm/W				
Color temperature	4000K/6500K				
Operating temperature	- 30°C ~ +45°C				
Connect interface	Through Wiring (Max. 6 pcs) – TW version Stand Alone: Terminal Block Push-in – TB version Stand Alone: Flying Wire 0.3M – FW version				
Installation	Surface & suspension				
Certificates	CB, EMC, CE, SAA				

CRI >80

SDCM <5

220-240V 50/60Hz

PF >0.9

25,000 H

IP 65 IK 06

CLASS II

# Vandalite Waterproof BCW098

A new vandal proof waterproof LED luminaire delivering high energy saving and reliable quality. It is a perfect replacement of TLD system for both retrofit and new installation and an ideal solution for both semi - outdoor and indoor applications.

### Benefits

- Robust design and vandal-proof
- High energy saving - up to 52% comparing with TL8 system
- Comfortable light quality. Reliable system performance
- Versatile installation possibilities in retrofit and new point installation

### Suggested application

- General lighting:** 2 Production area – low ceiling (food & beverage) 4 HACCP areas and cleanroom
- 7 Indoor parking and loading bay 8 Material handling Security lighting

### Technical specifications

Model	Vandalite Waterproof BCW098	
System lumen	4000lm	2000lm
System power	38W	19W
System efficacy	105 lm/W	105 lm/W
Length	1169mm	617mm
Color temperature	4000K/6500K	
Optic	Matt	
Materials & finishing	UV resistance PC housing; UL Yellow Card certificate -F1	
Surge protection	2KV	
Mounting	Surfaced/Wall mounted	
Working temperature	-20°C < Ta< 45°C	
Certifications	CB, EMC, SAA, CE	

CRI >80

SDCM <5

220-240V 50/60Hz

PF >0.9

50,000 H

IP 65 IK 10

CLASS I



Three wiring options

Note: Product specifications can be changed without prior notice.



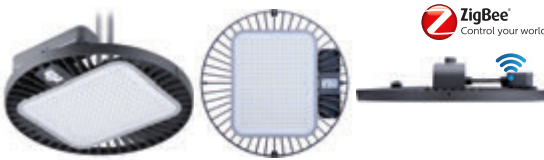
Robust design & vandal-proof

Note: Product specifications can be changed without prior notice.



# GreenPerform Highbay G3

## BY698P/BY698X



Designed with high-quality optics and a long lifetime, GreenPerform LED Highbay G3 delivers superior light quality for different industrial applications. Intelligent version provides a smart way to light up your business with maximum energy saving.

### Benefits

- High energy saving up to 65% comparing to HPI-P system. Intelligent lighting provide additional energy saving.
- Different lighting levels and timings can be set per sensor, group and ZigBee network of luminaires. Advanced sensor technology for effective presence and daylight detection
- Super slim design and suits for hook, pipe and bracket mounting.

### Suggested application

**General lighting:** 1 Warehouse 3 Production area – medium to high ceiling 7 Indoor sport hall & other high ceiling indoor applications

### Technical specifications

Model	LED110	LED160	LED200	LED300
System lumen	10000lm	16000lm	20000lm	29000lm
System power	85W	120W	155W	225W
System efficacy	118lm/W	133lm/W	129lm/W	129lm/W
Color temp.	4000K/6500K			
Beam angle	NB; WB		NB; WB; E-NB (optional)	
UGR	NB:20;WB:25	NB:21;WB:26		E-NB:20; NB:22
Surge protection	L,N 2KV; L,N-GND 4KV			
Driver	Dali dimming			
Controller & sensor	LLC1685/14 ActiLume Wireless DALI gen2; LRI1668 ActiLume G2 Indus Sensor H513 N			
Operation temp.	-30°C ~ +45°C (Ta35°C)			
Materials & finishing	Dark Grey (Pantone: 8405C); Housing: die-cast aluminum; Lens cover: polycarbonate, flat			
Dimensions, Weight	LED110: 379x96mm, 3.2kg; LED160: 417x105mm, 4.2kg; LED200: 452x107mm, 4.7kg; LED300: 530x120mm, 7.5kg			
Installation	Pendant (hook, pole)			
Certification	CB/EMC/ASNZ/CE/TISI			

CRI >80

SDCM <5

220~240V 50/60Hz

PF 0.95

50,000 H

IP 54/65

IK 07

CLASS I

# GreenPerform Highbay HT

## BY689P/BY688P/BY687P



An ideal solution for high temperature application and special heavy industry, enabling a safe and comfortable working environment with leading specifications and lowering the overall maintenance cost.

### Benefits

- System efficacy up to 135lm/W enables significant energy saving up to 75% comparing to HID system
- Excellent quality assures high performance in high temperature up to 60°C
- Lifetime up to 75,000 hours at Ta 35°C; 50,000 hours at Ta 50°C

### Suggested application

**General lighting:** 1 Warehouse 3 Production-Medium to high ceiling 7 Indoor parking and loading bay

### Technical specifications

Model	BY689P	BY688P	BY687P
System lumen	11000lm	16000lm	25000lm
System power	86W	120W	185W
System efficacy	128lm/W	133lm/W	135lm/W
Color temperature	4000K/6500K (Optional: 3000K/5700K*)		
CRI	>80; Optional: CRI>90 on 4000K CCT only*		
Beam angle	WB; NB		
Input voltage	220~240V- 50/60Hz (GC) 120~277V- 50/60Hz (GM)		220~240V- 50/60Hz
Driver	Fixed; Dali		Fixed/1~10V
Surge protection	4KV	3KV	6KV
Interface to main	Flying wire (length 0.3m)		
Materials & finishing	Housing: Aluminum Die-casting; Lens: PC; Optical cover: Glass		
Life time	75,000 hours (L70B50 @Ta 35°C); 50,000 hours (L70B50 @Ta 50°C)		
Operating temperature	- 30°C < Ta< 60°C		
Installation	Hook/Pipe/Bracket (hook included in the package)		
Certifications	CCC/CB/EMC/CE/SAA/IEC60598, RoHS		

CRI >80

SDCM <5

PF >0.95

IP 65

IK 07

CLASS I



Mesh network & wireless zoning

Note: Product specifications can be changed without prior notice.



Lifetime up to 75,000 hours

Note: Product specifications can be changed without prior notice.



# SmartBright Highbay G2

## BY228P



A highly efficient and reliable solution for 1:1 replacement of HPI 250W/400W luminaires with all the benefits of LED lighting. When combined with the quality optical plate, it provides excellent quality light and effectively improves the comfort.

Benefits

- High quality optical plate ensure good uniformity and comfort lighting experience.
- Safe, reliable, and flexible for installation and application.
- Energy saving up to 64%.

Suggested application

**General lighting:** 1 Warehouse 3 Production area – medium to high ceiling 7 Indoor sport hall & other high ceiling indoor applications

Technical specifications

Model	BY228P LED180	BY228P LED90	BY228P LED50
System lumen	18000lm	9000lm	5400lm
System power	200W	100W	60W
System efficacy	90lm/W	90lm/W	90lm/W
Color temperature	4000K/6500K		
Operation temperature	-20°C ~ +40°C (Ta 35°C)		
Optics	Wide Beam (110°) Narrow Beam - with reflector (64°~68°)		
Installation	Pendant (pole/hook)		
Dimensions (D x H), Weight	342x116mm, 2.8kg	250x103mm, 1.5kg	200x96mm, 1.0kg
Certifications	CB/EMC/CE		
Optional accessory	BY228Z RL-L 200W NB reflector	BY228Z RL-M 100W NB reflector	BY228Z RL-S 60W NB reflector

CRI >80

SDCM <5

220-240V 50/60Hz

PF 0.95

30,000 H

IP 20

CLASS I

# GreenUp Highbay G2

## BY560P/BY560X



Smart LED linear high-bay to 1:1 replace T5 and HID solutions in a wide variety of general indoor application and clean industry area. With advanced wireless ZigBee solution, it revolutionizes high-bay illumination.

Benefits

- Different lighting levels and timings can be set per sensor, group and network of luminaires
- High temperature sensor technology for effective presence detection. Coded lighting provides indoor positioning
- Versatile optical choices: NB; HRO; WB

Suggested application

**General lighting:** 1 Warehouse 3 Production-Medium to high ceiling 7 Other high ceiling indoor applications for distribution center, clean factory, super market

Technical specifications

Model	BY560P/BY560X		
LED source	LED105	LED160	LED210
System lumen	10500lm	16000lm	21000lm
System power	75W	120W	153W
System efficacy	140lm/W	133lm/W	137lm/W
Color temperature	4000K/6500K		
Beam angle	WB; HRO;NB		
THD	≤ 15%		
Flicker	< 5%		
Controller	ActiLume Wireless DALI gen2 LLC1685		
Sensor	LRI1668	LRI1672	
Driver	Fixed; Dali (Code Lighting possible)		
Interface to main	Flying wire (length 1.5m)		
Working temperature	-20°C < Ta < +45°C		
Materials & finishing	Lens: PC; Housing: Aluminum Extrusion; Endcap: ABS (ANSI/UL94)		
Installation	BY560P: Hook/Pipe/Suspension (hook included in the package) BY560X: Pipe/Suspension (BY218Z pendant for pipe included in the package)		
Certifications	CCC, CB, EMC, CE, SAA, IEC60598, RoHS		

CRI >80

SDCM <5

220-240V 50/60Hz

PF >0.95

50,000 H

IP 40

CLASS I



Up to 64% energy saving\*

\*Incomparision with HPI 250W/400W luminaires  
Note: Product specifications can be changed without prior notice.

Coded lighting for indoor positioning

Note: Product specifications can be changed without prior notice.



# Mini 500 G2 Upgrade

## BBP/BCP/BGP500



An intuitive under- canopy lighting that ensures optimal visual conditions while enabling huge energy savings. The luminaire’s precision-control optics allow light to be distributed where it is needed the most.

### Benefits

- Up to 51% energy saving compared to conventional CDM system
- Solid die-cast housing design and high quality components ensure long fixture lifetime
- Precision-control optics with three choices, suitable for multiple applications

### Suggested application

**General lighting:** 2 Production area – low ceiling  
7 Indoor parking and loading bay 8 Material handling

### Technical specifications

Model	BBP500	BCP500	BGP500
Installation	Recess mount	Surface mount	Pole mount
System lumen	14000lm		
System power	107W		
Color temperature	4000K/6500K		
Optical choice	S-WB ; S-MB; A-WB		A-WB
Surge protection	L,N 2KV; L,N-GND 4KV		
Driver	Fixed; Dali (option) ; 1~10V dimming (option)		N/A
Controller	ActiLume Dali Gen2 LLC1663		N/A
Sensor	ActiLume G2 Indus Sensor H513 LRI1667		
Operation temperature	-30°C to + 40°C (Ta35°C)		
Materials & finising	Housing: Aluminum Die-casting (RAL9003); Cover: Tempering glass of high transmittance; Lens: PC		
Dimensions (mm), weight	400x40x111, 8.1kg	335x335x147, 8.1kg	335x335x194.5, 7.2kg
Certifications	CB/EMC/ASNZ/CE/TISI		



# GreenUp Lowbay G2

## BY288P/BY288X



A simple LED solution which efficiently illuminates work areas, creating a brighter and better working environment. Equipped with motion detection function, this lighting solution is suitable for a variety of applications.

### Benefits

- Excellent light quality. Advanced optical design enhances visual comfort while high lumen output ensures visibility and safety.
- Easy installation and retrofitting. Five mounting options and a choice of several optional accessories make it suitable for various applications.
- Lighting for need. Able to achieve additional 10% energy saving through occupancy and motion-based dimming.

### Suggested application

**General lighting:** 1 Warehouse 2 Production area – low ceiling  
7 Indoor parking and loading bay

### Technical specifications

Model	GreenUp Lowbay G2 BY288P/BY288X
Beam angle	WB/NB (with reflector)
System lumen	WB: 8800lm/5900lm/3600lm NB: 7200lm/4800lm/2900lm (with reflector)
Color temperature	4000K/6500K
System power	75W/50W/30W
Control	Fixed (full range); 1~10V dimming (8800lm)
Surge protection	L,N 1KV; L,N-GND 2KV
Materials & finishing	Industry grey; Housing + optical: PC; Heat sink: Aluminum die-casting; Reflector: Aluminum
Operating temperature	-20°C ~ +45°C
Dimension Weight	Dia: 250mm/Ht: 144mm; Dia: 155mm/Ht: 115mm 2.3kg/2.3kg/1kg
Installation	Pendant (pole/hook/bracket/chain)
Certificate	CB/EMC/SAA/CE



130lm/W  
system  
efficacy

**Note:** Product specifications can be changed without prior notice.



73%  
energy  
saving\*

\*In comparison with HPI-P system  
**Note:** Product specifications can be changed without prior notice.



# Essential SmartBright Lowbay

## BY088P

A functional luminaire combining cost-efficiency with clean design. It offers customers all the benefits of LED lighting - energy saving, longer service time and less maintenance. A perfect LED replacement to conventional CFL lowbay systems.

Benefits

- Energy saving up to 55%
- 1:1 replacement to CFL 45W, 65W & 85W
- Comfort light experience
- Safe, reliable and flexible

Suggested application

General lighting: 1 Warehouse 2 Production area – low ceiling 7 Indoor parking and loading bay



Technical specifications

Model	BY088P LED40	BY088P LED30	BY088P LED20
System lumen	3200lm	2400lm	1600lm
System power	40W	30W	20W
Color temperature	3000K/4000K/6500K		
Driver	Fixed		
Operating temp.	-20°C~40°C		
Materials & finishing	Silver + Black; Housing : Aluminum; Optical : PC		
Installation	Suspension (hook); Surfaced (pipe)		
Dimension (DxH), Weight	Φ350x191mm, 0.695kg	Φ300x162mm, 0.581kg	Φ250x133mm, 0.469kg
Certifications	CCC/ CB/ EMC		

CRI 80

SDCM <5

220-240V 50/60Hz

PF >0.9

15,000 H

IP 20

CLASS I

# GreenPerformTeardrop G2

## CR388C

An optimized cleanroom lighting fixture with slim, compact and smooth housing design, Teardrop G2 maximally avoids dust attached in cleanroom application and delivers excellent lighting performance. Both white and yellow lighting solutions are available.

Benefits

- Robust design with cleanroom certification: cleanroom classification 10 -1000.
- Low glare, soft and uniform light output, friendly to eyes with anti UV Polycarbonate optical diffuser, low flicker.
- Reliable quality, low failure rate, long lifetime, maintenance free
- Energy saving, high efficiency green LED solution

Suggested application

General lighting: 4 HACCP areas and cleanroom



Technical specifications

Model	GreenPerform Teardrop G2 – CR388C			
Color temperature	Cool white & Neutral white		Amber	
Dimming	PSU	PSU	PSD	PSU
System power	16 W	32 W	39 W	21 W
System lumen	2000 lm	3900 lm	4500 lm	2200 lm
System efficacy	125 lm/w	120 lm/w	115 lm/w	105 lm/w
Flicker	≤ 30%	≤ 30%	≤ 4%	≤ 4%
Photometric	symmetrical			
Dimension	L x W x H: 1200 x 84 x 45 mm			
Working temperature	0°C ~ +35°C			
Wiring Interface	Flying wire 0.3 M			
Installation	Surface			
System & control	Fixed & Dali			
Certifications	CCC, CB			

CRI >80

SDCM <5

220-240V 50/60Hz

PF >0.9

50,000 H

IP 40 IK 03

CLASS I



55% energy saving\*

\*In comparison with conventional CFL Lowbay system  
Note: Product specifications can be changed without prior notice.



Comfortable cleanroom lighting experience

Note: Product specifications can be changed without prior notice.



# Hygeia G2

## CR488B/CR488C

The new Hygeia has a streamlined shape that minimizes dust gathering and disturbed airflow. It uses the latest Philips LED platform to provide most value for money. This means extremely low operational cost over the total lifetime of the luminaire.

### Benefits

- Robust design with cleanroom certification: cleanroom classification 10 –1000/ 100 –10,000.
- Low glare, soft and uniform light output with low flicker option available.
- Reliable quality, low failure rate, long lifetime, free of maintenance.
- Easy Installation: Surface & ceiling, track kits available for T-bar installation.

### Suggested application

General lighting: 4 HACCP areas and cleanroom

### Technical specifications

Model	CR488C			CR488B	
Color temp.	CW & NW		Amber	CW & NW	
Dimming	PSU	PSD	PSU	PSU	PSD
System lumen	7500 lm	7500 lm	4300 lm	7500 lm	7400 lm
System power	63 W	65 W	41 W	69 W	69 W
Cleanroom class	100 – 10,000			100 – 10,000	
Photometric	Symmetrical			Symmetrical	
Dimesntion L x W x H	120 x 84 x 45 mm			597 x 597 mm	297 x 1197 mm
Working temp.	0°C ~ +35°C			0°C ~ +35°C	
Flicker	≤ 4%			≤ 4%	
Wiring interface	Flying wire 0.3m			Flying wire 0.3m	
Installation	Surface			Recessed	
System & control	Fixed & Dali			Fixed & Dali	
Approbation	CCC			CCC	

CRI >80

SDCM <5

220-240V 50/60Hz

PF 0.9

50,000 H

IP 40 IK 03

CLASS I



Outstanding optical performance

Note: Product specifications can be changed without prior notice.

# Controls



**EnvisionManager**  
System Control, Monitor and Management Software

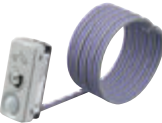
EnvisionManager is the software tool that gives staff total visibility on the performance and status of their lighting system. With monitoring, the user can see at a glance what is happening in the building and can change anything from a single lamp, to a whole building's lighting state, with the click of a mouse

- Controls, manages and monitors lighting systems
- Seamlessly integrates with Building management systems
- Allows activity scheduling
- Generates performance reports
- Simple to implement as it makes use of EnvisionProject configuration file
- Enables easy maintenance



**Dynalite**  
Philips Dynalite specializes in the provision of end-to-end intelligent lighting control solutions rather than just products and systems

- Preset lighting control
- Distributed control and monitoring
- Ease of installation and configuration
- Flexibility in design
- Energy savings, scalability
- Advanced integration into other systems
- Increased lamp life, perfect LED dimming



**ActiLume**  
Philips ActiLume is a new simple method of installing and using lighting control systems in offices. With ActiLume you get maximum comfort and automatic energy savings of up to 70 – 75%

- Reduce energy usage
- Advanced occupancy sensing
- Easy installation
- Easy commissioning
- Easy operation



**EnvisionGateway**  
EnvisionGateway is a dedicated hardware bridge designed to link multiple networks together, using the internet or LAN

EnvisionGateway provides a multipurpose Ethernet connection for Philips connected lighting control systems. It provides bridging functionality between an Ethernet trunk and a DyNet RS485 spur or between an Ethernet trunk and an Envision PoE subnet

- Large storage capacity
- Inbuilt web server
- No technical skills needed
- Powerful custom task engine
- Advanced interoperability



**LightMaster KNX**  
The LightMaster KNX range of products has been developed to ensure easy integration into today's modern office environment, for either retrofit or new installations

- Energy saving up to 55%
- Reduce installation & wiring costs by adding sensors and switches to the DALI network
- Faster & more reliable installation by using structured cabling
- Control the required lighting protocol with one device: DALI, DSI and 1-10 volt
- Clean ceilings, due to the low profile aesthetics of our sensor



**OccuSwitch**  
OccuSwitch family members have automatic movement detectors that switch lights on and off for you. Intelligent solutions that detect the slightest movement and are quick and easy to install, so you can start saving

- Energy savings of up to 30% and good pay-back
- Works with almost all lamp – and luminaire types
- Easy to install, enables even faster installation by optional Wieland connectors



PoE Downlight



PoE Troffer

**PoE Luminaires**  
With Power-over-Ethernet (PoE) technology, PoE-enabled Lighting luminaires receive power and data over a single standard Ethernet cable, eliminating the need for separate power cabling. With the simple click of a connector, PoE luminaires become part of a complete, integrated connected lighting system, delivering extraordinary illumination experiences and value beyond illumination

- Data gathering on building usage via luminaire sensors
- Personal control of lighting and temperature settings
- Simpler and cheaper installation and lighting commissioning



**LightMaster Lon**  
LightMaster Lon is a networked lighting controls system, using the open system LonMark® standard. As well as enabling maximum energy savings on lighting and full flexibility in lighting functionality, it interfaces seamlessly with other building systems like sun blinds, HVAC, security, etc.

- Full lighting control functionality, including daylight linking, occupancy- and time control
- Optimized comfort and safety by using corridor linking and security integration
- Seamless integration into a Lon-based building management system



**(Micro) LuxSense**  
LuxSense for luminaires is an integrated light sensor which is connected directly to the 1-10 VDC input on a Philips HFR ballast

- Can be fitted onto TLD or TL5 lamps, or onto the luminaire itself with a special bracket
- Up to 20 Philips HFR ballasts can be connected to a single LuxSense device
- Energy saving
- Setting of desired light level

Note: Product specifications can be changed without prior notice.



# GreenVision Xceed

## BRP371/372/373

An affordable LED road lighting solution that ensures sufficient light on your roads. It is designed to achieve better light uniformity and maximum spacing between poles for both pedestrian and vehicle road applications.

### Benefits

- Up to 50% energy savings. Uses significantly less energy than conventional street lighting solutions
- Ease of maintenance. Tool-less opening of gear compartment & gear tray replacement
- Long system lifetime. Excellent thermal management that reduces early failures

### Suggested application

General lighting: 8 Outdoor parking & streets



### Technical specifications

Model	BRP371/372/373
System lumen	Up to 39,400lm
System power	37W ~ 300W
System efficacy	127 lm/W up to 145 lm/W
Color temperature	3000K/4000K/5700K ± 500K
Working temperature	- 40°C < Ta < 50°C
Driver	Constant current or programmable driver options
Control options	Standalone dimming, CityTouch and AmpLight compatible
Surge protection	15kV/kA (10kV option on request)
Materials & finishing	Gray RAL7040; High pressure die-cast aluminum heat; Resistant silicone rubber; Tempered glass
Optics	DNE, DME, DWE, DWV, DWP, DW DM, DW1, DW2, DW2m, DW2s, DWS
Installation	Ø48-60mm pole, side entry; Windage area: 0.134/0.166/0.271m2; Mounting height < 12 m; Wind force ≤ 60m/s; Relative humidity ≤ 95%RH
Dimensions (mm), weight	422x318x136, 6.5kg; 522x318x136, 8kg; 853x318x136, 14kg
Certifications	CB IEC 60598, CQC, AS/NZS 1158, RoHS



# RoadFlair

## BRP391/392/393/394

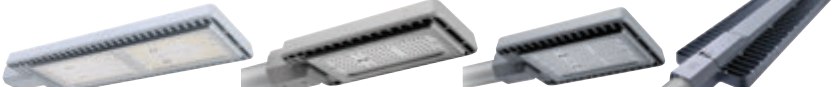
A new and exciting product set to brighten your streets beyond imagination. Smartly-designed to bring in the highest savings possible with best in class lumen per watt, this road lighting production comes at a competitive price bound to excite.

### Benefits

- 120 to 135 lumen per watt – much higher than currently available solutions.
- Unique functional design. Sleek, light-weight and well-designed luminaire.
- Value for money. Perfect for renovation, upgrading projects. Best in class LED lighting technology at an unmatched, competitive price.

### Suggested application

General lighting: 8 Outdoor parking & streets



### Technical specifications

Model	BRP391/392/393/394
System lumen	Up to 38,400lm
System power	40W ~ 320W
Color temperature	3000K/4000K/5700K ± 500K
Working temperature	- 40°C < Ta < 50°C
Driver	Constant current or programmable driver options
Control options	Standalone dimming program, Tele-managed CityTouch, AmpLight compatible
Surge protection	10KV/15KV
Materials & finishing	Gray RAL7040; High pressure die-cast aluminum heat; Resistant silicone rubber; Transparent and weather resistant grade polycarbonate
Optics	DM, DW1, DW2, DWV, DWP
Installation	Side Entry: Standard version Ø42-60mm pole; ANZ version Ø34-60mm pole Windage area: 0.1m2/0.14m2/0.17m2/0.25m2 < 12 m Optimized for 8 to 14m; Wind force ≤ 60m/s; Relative humidity ≤ 95%RH
Dimensions (mm), weight	BRP391: 492 x 210 x 86, 5kg; BRP392: 492 x 295 x 86, 7kg; BRP393: 650 x 295 x 86, 8 kg; BRP394: 870 x 295 x 86, 10kg
Certifications	CB IEC 60598, CQC, TS1158, PSE, CE, RoHS



Excellent thermal management

Note: Product specifications can be changed without prior notice.



Tool-less opening, low failure rate

Note: Product specifications can be changed without prior notice.



# RoadFlair

## BRP390

As an extension to RoadFlair BRP39X range, BRP390 is optimized for lower wattage/ lumen application of 40w to 60w. The product ensures reliable quality and lifetime with best in class LED from leading LED supplier, 14 step painting process and ADC1 high quality aluminum alloy.

### Benefits

- Transparent and weather resistant grade polycarbonate material for optical lenses.
- Lightweight and optimized size for 40w to 60w application
- Philips driver and 10kV or 15kV surge protection device to ensure continuous operation of luminaire.

### Suggested application

General lighting: 8 Outdoor parking & streets



### Technical specifications

Model	RoadFlair BRP 390
System lumen	4800lm/6000lm/7200lm (NW)
System power	40W/50W/60W
System efficacy (typical)	120+lm/W
Color temperature	3000K/4000K/5700K
Target light distribution	DM optic only
Dimming/control interface	1-10V
Surge protection	10KV/15KV
Interface to main	Flying wire
Warranty	3 Years
Working temperature	- 40°C < Ta< 55°C (outdoor)
Installation	Bracket mounted
Material &finishing	Lens: PC; Housing: all high specification die-cast aluminum (ADC1); Corrosion resistance painting (500 hours of salt spray); Transparent and weather resistant grade polycarbonate material for optical lenses
Dimensions (L x W)	400 x 156mm
Certifications	CQC/CB/CE/SAA/IEC60598, RoHS

CRI >70

SDCM 5

220-240V 50/60Hz

PF >0.95

100,000 H

IP 66

IK 08

# SmartBright Road

## BRP130/131/132

SmartBright Road is ideal for new streets and for renovating existing installations, this affordable range of lighting solutions combines clean, high-quality light with significant energy savings and reduced maintenance.

### Benefits

- Perfect for one to one replacement of conventional SON or HPL luminaires.
- Offer initial investment with good-quality and energy-ecient lighting.
- Fit wide application areas and suitable to use for residential street, main road and parking area.

### Suggested application

General lighting: 8 Outdoor parking & streets



### Technical specifications

Model	BRP130	BRP131	BRP132
System lumen	6650-7000lm	9500-10000lm	13300-15000lm
System power	70W	100W	140W
System efficacy (typical)	100+105 lm/W		
Color temperature	4000K (Options: 3000K/5700K)		
Target light distribution	DM		
Surge protection	Replaceable 10kV/kA		
Warranty	3 Years		
Working temperature	- 40°C <Ta< 50°C		
Installation	Side entry (42~60mm)		
Material & finishing	Lens: PC; Housing: Aluminum/Dark grey color		
Dimensions (mm)	383.5 x 248.4 x 85mm	453.8 x 277.2 x 85mm	508.2 x 325.5 x 85mm
Weight	2.6kg	3.2kg	4.2kg
Certifications	CB/CQC/As/NZS 60598/CE/RoHS/REACH		

CRI 70

SDCM 6

220-240V 50/60Hz

PF 0.9

30,000 H

IP 66

IK 08



100,000  
hour  
lifetime

Note: Product specifications can be changed without prior notice.



Versatile  
&  
cost  
efficient

Note: Product specifications can be changed without prior notice.



# SmartBright Street

## BRP042/BRP052

A low wattage LED street lighting luminaire for various lighting applications. It incorporates LED light source, optical system, heat sink and driver into one compact housing. The specially designed finless heat sink combined with aesthetics and functionality ensure reliability and long lifetime.

### Benefits

- Long-lasting performance - Designed for operations under diverse environment from -10°C to 45°C
- High-quality materials and design - Finless design with superior aesthetic looks, toughened and shatter-proof quality built-in lens, Pressure die-cast housing
- Uniform lighting - Street light distribution with uniform lighting on the street

### Suggested application

General lighting: 8 Outdoor parking & streets



### Technical specifications

Model	BRP042	BRP052
System lumen	1,400lm/ 1,900lm	3600lm CW
System power	15W/ 20W	40W
System efficacy (typical)		90lm/W
Color temperature	5700K±500K	5700K
Optics	MR	
Driver & driving current	1000mA (15W)/ 930mA(20W)	
Voltage	220-240V 50Hz	140 - 270V/ 50Hz
Surge protection	4KV	4KV
Lifetime (hour)	30,000	50,000
Working temperature	-40°C to 45°C (Outdoor)	-10°C to 45°C
Connection	300mm flying wire	200mm flying wire
Installation	28~40mm side entry	
Material &finishing	Housing: Die-cast aluminum; Gasket: Heat resistant siliconerubber; Cover: Polycarbonate; Color: Dark Grey RAL7011	Finless design; Toughened and shatter-proof quality built-in lens; Pressure die-cast housing; Dark Grey
Dimensions (L x W x H), weight	316 x 107 x 60mm, 0.85kg	421 x 137 x 67mm
Certifications	IEC CB	IS10322



Reliable  
savings &  
lasting  
brightness

Note: Product specifications can be changed without prior notice.

# Support from start to finish

With offices around the world, we have extensive experience handling lighting challenges on behalf of our customers. We aim to be your best business partner, offering the right expertise and solutions. Allow us to help you with planning, implementing and maintaining your project every step of the way.



### Advisory Services

Can a lighting upgrade help your business grow? Get an expert light audit from Philips Advisory Services

- Auditing your energy consumption
- Bringing creative ideas to life
- Helping you plan, making it happen
- Helping you convince the team



### Project Services

Get your lighting installation completed quickly and efficiently, with Philips Lighting Project Services

- Project management
- Installing your system
- Integrating and programming
- Lighting performance contracts
- Energy savings projects



### Lifecycle Services

Let Philips handle your installation with service agreements that can be tailored to your needs. These could include:

- Helpdesk, remote diagnostics and fault investigation, system health checks and spare parts replacement
- Qualified service engineers for preventive and corrective maintenance of your installation
- Asset management, data analytics and consultancy, system optimization and more



### Philips Lighting Capital

Finance your new lighting system with little to no upfront investment

- Protecting your cash flow
- Saving you time and money

Note: Certain services may not be available in all countries. Kindly check with your local Philips representative for details.





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