



# **ClearWay gen2**

## BGP307 LED45-4S/830 II DM11 CLO-DDF1 D18

ClearWay gen2, LED Module 4500 lm, 830 warm white, Safety class II, Distribution medium 11, Universal for diameter 48 to 60 mm adjustable

The ClearWay Gen2 enables you to enjoy the benefits of LED technology for urban lighting right from the start. This new second generation of the luminaire builds on the strengths of its predecessor and is designed to further minimise your Total Cost of Ownership. The ClearWay Gen2 significantly improves the most important aspects of the street-lighting experience compared to conventional urban lighting. Ideal for new streets and for renovating existing installations, this affordable range of urban ClearWay lighting solutions combines clean design, high-quality light with significant energy and maintenance savings. In short, ClearWay Gen2 means good-quality light with all the added benefits of LED – energy savings and long lifetime. Offering more benefits, yet packaged in a thinner and lighter design which makes it easier to install.

#### **Product data**

General Information	
Lamp family code	LED45 [LED Module 4500 lm]
Light source replaceable	Yes
Number of gear units	Unit
Driver included	Yes
Remarks	*- According to the Lighting Europe guidance
	paper 'Evaluating performance of LED based
	luminaires – January 2018': statistically there
	is no relevant difference in lumen
	maintenance between the B50 and, for
	example, the B10. Therefore, the median
	useful life (B50) value also represents the B10

	value. * At extreme ambient temperatures the
	luminaire might automatically dim down to
	protect components
Light source engine type	LED
Product family code	BGP307 [ClearWay gen2]
Lighting Technology	LED
Value ladder	Performance
CE mark	Yes
Warranty period	5 years
Flammability mark	-
ENEC mark	ENEC mark

## ClearWay gen2

EU RoHS compliant	No
Light Technical	
Upwards light output ratio	0
Luminous Flux	3,741 lm
Standard tilt angle post-top	0°
Standard tilt angle side entry	0°
Correlated Colour Temperature	3000 K
Luminous efficacy (rated) (nom.)	108 lm/W
Colour rendering index (CRI)	80
Light source colour	830 warm white
Optic type	-
Optical cover type	Flat glass
Luminaire light beam spread	160° - 42° x 54°
Optic type outdoor	Distribution medium 11

## Operating and Electrical

Operating and Electrical	
Input Voltage	220 to 240 V
Line Frequency	50 to 60 Hz
Initial CLO power consumption	34.5 W
Average CLO power consumption	35 W
End CLO power consumption	35.5 W
Inrush current	43 A
Inrush time	0.26 ms
Power Consumption	34.5 W
Power Factor (Fraction)	0.97
Connection	Push-in connector 5-pole
Cable	-
Number of products on MCB of 16 A type	21

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#### Temperature

Ambient temperature range

Controls and Dimming

Controls and Dimming	
Dimmable	Yes
Driver/power unit/transformer	Power supply unit with DynaDimmer
Control interface	-
Constant light output	Yes

-40 to +50 °C

### Mechanical and Housing

Housing material	Aluminium die cast
Reflector material	-
Optic material	Polymethyl methacrylate
Optical cover/lens material	Tempered glass
Fixation material	Aluminium
Housing Colour	Grey
Mounting device	Universal for diameter 48 to 60 mm
	adjustable
Optical cover/lens shape	Flat

Optical cover/lens finish	Clear
Overall length	482 mm
Overall width	330 mm
Overall height	93 mm
Effective projected area	0.1151 m²
Dimensions (height x width x depth)	93 x 330 x 482 mm

#### Approval and Application Ingress protection code IP66 [Dust penetration-protected, jet-proof] Mech. impact protection code IK09 [10 J] Surge Protection (Common/Differential) Luminaire surge protection level up to 6 kV differential mode and 8 kV common mode Sustainability rating Lighting for circularity Protection class IEC Safety class II Photobiological risk Photobiological risk group 1@ 200mm to EN62471 Photobiological risk specification 3.1 m

Initial Performance (IEC Compliant)	
Luminous flux tolerance	+/-7%
Initial chromaticity	(0.43, 0.40) SDCM <5
Power consumption tolerance	+/-10%
Init. Color Rendering Index Tolerance	+/-2
Init. Color Rendering Index Tolerance	+/-2

Over Time Performance (IEC Compliant)		
Control gear failure rate at median useful 5 %		
life 50,000 h		
Control gear failure rate at median useful 10 %		
life 100,000 h		
Lumen maintenance at median useful	L100	
life* 100,000 h		

#### Application Conditions

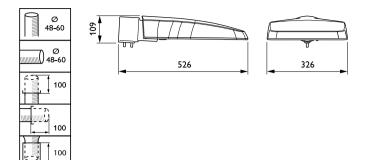
Performance ambient temperature Tq	25 °C
Maximum dim level	0% (digital)

## Product Data

Order product name	BGP307 LED45-4S/830 II DM11 CLO-DDF1
	D18
Full product name	BGP307 LED45-4S/830 II DM11 CLO-DDF1
	D18
Full EOC	871869699696600
Order code	99696600
Material no. (12 NC)	910925865218
SAP numerator - quantity per pack	1
EAN/UPC — Product/Case	8718696996966
Numerator – packs per outer box	1
EAN/UPC - Case	8718696996966

## ClearWay gen2

#### Dimensional drawing





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