



ClearWay gen2

BGP307 LED45-4S/830 II DM11 CLO-DDF2 D18

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

ClearWay gen2 enables you to enjoy the benefits of LED technology 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. ClearWay gen2 significantly improves the most important aspects of the street lighting experience compared to conventional lighting. Ideal for new streets and for renovating existing installations, this affordable range of lighting solutions combines clean, 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		Protection class IEC	Safety class II
Lamp family code	LED45 [LED Module 4500 lm]	Flammability mark	NO [-]
Light source colour	830 warm white	CE mark	CE mark
Light source replaceable	Yes	ENEC mark	ENEC mark
Number of gear units	1 unit	Warranty period	5 years
Driver/power unit/transformer	PSU [Power supply unit]	Outdoor optic type	Distribution medium 11
Driver included	Yes	Remarks	*-Per Lighting Europe guidance paper "Evaluating performance of LED based luminaires - January 2018": statistically there is no relevant difference in lumen maintenance between B50 and for example B10. Therefore the median useful life (B50)
Optical cover/lens type	FG [Flat glass]		
Luminaire light beam spread	160° - 42° x 54°		
Control interface	-		
Connection	Push-in connector 5-pole		
Cable	-		

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	value also represents the B10 value. * At extreme ambient temperatures the luminaire might automatically dim down to protect components
Constant light output	Programmable
Number of products on MCB	20
RoHS mark	RoHS mark
LED engine type	LED
Product Family Code	BGP307 [ClearWay gen2]

Light Technical

Upward light output ratio	0
Standard tilt angle post-top	0°
Standard tilt angle side entry	0°

Operating and Electrical

Input voltage	220 to 240 V
Input frequency	50 to 60 Hz
Initial CLO power consumption	33 W
Average CLO power consumption	34.5 W
End CLO power consumption	35.5 W
Inrush current	22 A
Inrush time	0.29 ms
Power factor (min.)	0.98

Controls and Dimming

Dimmable	Yes
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Mechanical and Housing

Housing material	Aluminium die-cast
Reflector material	-
Optic material	Polycarbonate
Optical cover/lens material	Tempered glass
Fixation material	Aluminum
Mounting device	48/60A [Universal for diameter 48-60 mm adjustable]
Optical cover/lens shape	Flat
Optical cover/lens finish	Clear
Overall length	480 mm
Overall width	325 mm
Overall height	150 mm
Effective projected area	0.1151 m²

Colour	Grey
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Approval and Application

Ingress protection code	IP66 [Dust penetration-protected, jet-proof]
Mech. impact protection code	IK08 [5 J vandal-protected]
Surge protection (common/differential)	Philips standard surge protection level kV

Initial Performance (IEC Compliant)

Initial luminous flux	3654 lm
Luminous flux tolerance	+/-7%
Initial LED luminaire efficacy	111 lm/W
Init. Corr. colour temperature	3000 K
Init. colour rendering index	80
Initial chromaticity	(0.43, 0.40) SDCM <5
Initial input power	35.5 W
Power consumption tolerance	+/-11%

Over Time Performance (IEC Compliant)

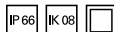
Control gear failure rate at median useful life 100000 h	10 %
Lumen maintenance at median useful life* 100000 h	L100

Application Conditions

Ambient temperature range	-40 to +50 °C
Performance ambient temperature Tq	25 °C
Maximum dimming level	0% (digital)

Product Data

Full product code	871869699701700
Order product name	BGP307 LED45-4S/830 II DM11 CLO-DDF2 D18
EAN/UPC – product	8718696997017
Order code	99701700
Numerator – quantity per pack	1
Numerator – packs per outer box	1
Material no. (12NC)	910925865223
Net weight (piece)	5.750 kg



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Dimensional drawing



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