



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 to 60 mm adjustable

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 minimize your Total Cost of Ownership. 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	1 unit	
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)	

	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	-
-	

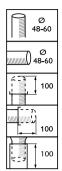
Datasheet, 2023, December 6 data subject to change

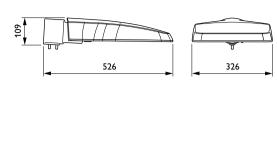
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ENEC mark	ENEC mark	Optical cover finish	Clear
EU RoHS compliant	No	Overall length	482 mm
		Overall width	330 mm
Light Technical		Overall height	93 mm
Upward light output ratio	0	Effective projected area	0.1151 m²
Luminous Flux	3,741 lm	Dimensions (Height x Width x Depth)	93 x 330 x 482 mm
Standard tilt angle posttop	0°		
Standard tilt angle side entry	0°	Approval and Application	
Correlated Color Temperature (Nom)	3000 K	Ingress protection code	IP66 [Dust penetration-protected, jet-proof]
Luminous Efficacy (rated) (Nom)	108 lm/W	Mech. impact protection code	IK09 [10 J]
Color rendering index (CRI)	80	Surge Protection (Common/Differential)	Luminaire surge protection level until 6 kV
Light source color	830 warm white		differential mode and 8 kV common mode
Optic type	-	Sustainability rating	Lighting for circularity
Optical cover type	Flat glass	Protection class IEC	Safety class II
Luminaire light beam spread	160° - 42° x 54°	Photobiological risk	Photobiological risk group 1 @ 200mm to
Optic type outdoor	Distribution medium 11		EN62471
		Photobiological risk specification	3.1 m
Operating and Electrical			
Input Voltage	220 to 240 V	Initial Performance (IEC Compliant)
Line Frequency	50 to 60 Hz	Luminous flux tolerance	+/-7%
Initial CLO power consumption	34.5 W	Initial chromaticity	(0.38, 0.38) SDCM <5
Average CLO power consumption	35 W	Power consumption tolerance	+/-10%
End CLO power consumption	35.5 W	Init. Color Rendering Index Tolerance	+/-2
Inrush current	43 A		
Inrush time	0.26 ms	Over Time Performance (IEC Compliant)	
Power Consumption	34.5 W	Control gear failure rate at median	5 %
Power Factor (Fraction)	0.97	useful life 50000 h	
Connection	Push-in connector 5-pole	Control gear failure rate at median	10 %
Cable	Cable 10 m without plug	useful life 100000 h	
Number of products on MCB of 16 A typ	De 21	Lumen maintenance at median useful	L100
В		life* 100000 h	
Temperature		Application Conditions	
Ambient temperature range	-40 to +50 ℃	Performance ambient temperature Tq	25 °C
		Maximum dim level	0% (digital)
Controls and Dimming			
Dimmable	Yes	Product Data	DCD2071 FD 4F 46 (020 II DAM 61 0 DDF2
Driver/power unit/transformer	Power supply unit with DynaDimmer	Order product name	BGP307 LED45-4S/830 II DM11 CLO-DDF2
Control interface		Full mandret manne	D18
Constant light output	Yes	Full product name	BGP307 LED45-4S/830 II DM11 CLO-DDF2 D18
		Full product code	871869699864900
Mechanical and Housing			
Housing Material	Aluminum die cast	Order code	910925865387 910925865387
Reflector material	-	Material Nr. (12NC)	
Optic material	Polymethyl methacrylate	Numerator - Quantity Per Pack	1
Optical cover material	Tempered glass	EAN/UPC - Product/Case	8718696998649
Fixation material	Aluminum	Numerator - Packs per outer box	1
Housing Color	Gray	EAN/UPC - Case	8718696998649
Mounting device	Universal for diameter 48 to 60 mm		
	adjustable		
Optical cover shape	Flat		

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Dimensional drawing







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