



ClearWay gen2

BGP307 LED18-4S/830 II DM11 CLO-DDF2 D18

ClearWay gen2, LED module 1800 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	LED18 [LED module 1800 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	
Service tag	Yes	
Product family code	BGP307 [ClearWay gen2]	
Lighting Technology	LED	
CE mark	Yes	
Warranty period	5 years	
Flammability mark	-	

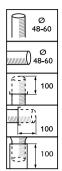
Datasheet, 2024, March 14 data subject to change

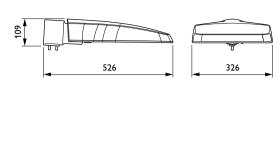
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ENEC mark	ENEC mark	Optical cover finish	Clear
EU RoHS compliant	No	Overall length	482 mm
		Overall width	330 mm
Light Technical		Overall height	93 mm
Upward light output ratio	0	Effective projected area	0.1151 m²
Luminous Flux	1,522.5 lm	Dimensions (Height x Width x Depth)	93 x 330 x 482 mm
Standard tilt angle posttop	O°		
Standard tilt angle side entry	O°	Approval and Application	
Correlated Color Temperature (Nom)	3000 K	Ingress protection code	IP66 [Dust penetration-protected, jet-proof]
Luminous Efficacy (rated) (Nom)	106 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	14.4 W	Initial chromaticity	(0.38, 0.38) SDCM <5
Average CLO power consumption	14.6 W	Power consumption tolerance	+/-10%
End CLO power consumption	14.8 W	Init. Color Rendering Index Tolerance	+/-2
Inrush current	12 A		
Inrush time	0.27 ms	Over Time Performance (IEC Compl	liant)
Power Consumption	14.4 W	Control gear failure rate at median useful	1 5%
Power Factor (Fraction)	0.98	life 50000 h	
Connection	Push-in connector 5-pole	Control gear failure rate at median useful	1 10 %
Cable	Cable 10 m without plug	life 100000 h	
Number of products on MCB of 16 A type	20	Lumen maintenance at median useful	L100
B		life* 100000 h	
Temperature		Application Conditions	
Ambient temperature range	-40 to +50 °C	Performance ambient temperature Tq	25 °C
		Maximum dim level	0% (digital)
Controls and Dimming		Due do et Dete	
Dimmable	Yes	Product Data	DCD207 LED40 46 (020 II DM41 6LO DD52
Driver/power unit/transformer	Power supply unit with DynaDimmer	Order product name	BGP307 LED18-4S/830 II DM11 CLO-DDF2
Control interface	-	Full was dust name	D18
Constant light output	Yes	Full product name	BGP307 LED18-4S/830 II DM11 CLO-DDF2 D18
		Full product code	871869699861800
Mechanical and Housing			
Housing Material	Aluminum die cast	Order code	910925865384
Reflector material		Material Nr. (12NC)	910925865384
Optic material	Polymethyl methacrylate	Numerator - Quantity Per Pack	1
Optical cover material	Tempered glass	Numerator - Packs per outer box	8718696998618
Fixation material	Aluminum	Numerator - Packs per outer box	8718696998618
Housing Color	Gray	EAN/UPC - Case	01 00 20 20 20 10
Mounting device	Universal for diameter 48 to 60 mm		
	adjustable		
Optical cover shape	Flat		

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Dimensional drawing







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