



ClearWay gen2

BGP307 LED120-4S/740 II DM11 CLO-DDF1 D1

ClearWay gen2, LED module 12000 lm, 740 neutral 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	LED120 [LED module 12000 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	
CE mark	Yes	
Warranty period	5 years	
Flammability mark	-	
ENEC mark	ENEC mark	
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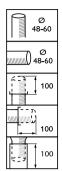
Datasheet, 2024, March 14 data subject to change

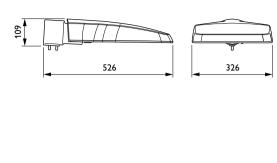
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EU RoHS compliant			
	No	Optical cover shape	Flat
		Optical cover finish	Clear
Light Technical		Overall length	482 mm
Upward light output ratio	0	Overall width	330 mm
Luminous Flux	9,775 lm	Overall height	93 mm
Standard tilt angle posttop	O°	Effective projected area	0.1151 m²
Standard tilt angle side entry	0°	Dimensions (Height x Width x Depth)	93 x 330 x 482 mm
Correlated Color Temperature (Nom)	4000 K		
Luminous Efficacy (rated) (Nom)	142 lm/W	Approval and Application	
Color rendering index (CRI)	70	Ingress protection code	IP66 [Dust penetration-protected, jet-proof]
Light source color	740 neutral white	Mech. impact protection code	IK09 [10 J]
Optic type	-	Surge Protection (Common/Differential)	Luminaire surge protection level until 6 kV
Optical cover type	Flat glass		differential mode and 8 kV common mode
Luminaire light beam spread	160° - 42° x 54°	Sustainability rating	Lighting for circularity
Optic type outdoor	Distribution medium 11	Protection class IEC	Safety class II
		Photobiological risk	Photobiological risk group 1 @ 200mm to
Operating and Electrical		_	EN62471
Input Voltage	220 to 240 V	Photobiological risk specification	3.1 m
Line Frequency	50 to 60 Hz	_	
Initial CLO power consumption	69 W	Initial Performance (IEC Compliant))
Average CLO power consumption	71 W	Luminous flux tolerance	+/-7%
End CLO power consumption	72 W	Initial chromaticity	(0.38, 0.38) SDCM <5
Inrush current	47 A	Power consumption tolerance	+/-10%
Inrush time	0.25 ms	Init. Color Rendering Index Tolerance	+/-2
Power Consumption	69 W	_	
Power Factor (Fraction)	0.99	Over Time Performance (IEC Comp	liant)
Connection	Push-in connector 5-pole	Control gear failure rate at median useful	
Cable	Cable 15 m without plug	life 50000 h	
Number of products on MCB of 16 A type		Control gear failure rate at median useful	1 10 %
В		life 100000 h	
<u>-</u>		Lumen maintenance at median useful	L100
Temperature		life* 100000 h	
Ambient temperature range	-40 to +50 °C	_	
7 monet temperature range		Application Conditions	
Controls and Dimming		Performance ambient temperature Tq	25 °C
Dimmable	Yes	Maximum dim level	0% (digital)
Driver/power unit/transformer	Power supply unit with DynaDimmer	_	
Control interface	Tower supply unit with bynabinine	Product Data	
Constant light output	Yes	Order product name	BGP307 LED120-4S/740 II DM11 CLO-DDF1 D
Constant light output	165	Full product name	BGP307 LED120-4S/740 II DM11 CLO-DDF1 D
Machanical and Housing		Full product code	871869699890800
Mechanical and Housing	Aluminum die cast	Order code	910925865414
Housing Material	Atuminum die Cast	Material Nr. (12NC)	910925865414
Reflector material	- Polymothyl mothacyllate	Numerator - Quantity Per Pack	1
Optic material	Polymethyl methacrylate	EAN/UPC - Product/Case	8718696998908
Optical cover material	Tempered glass	Numerator - Packs per outer box	1
Fixation material	Aluminum		
Housing Color	Gray	EAN/UPC - Case	8718696998908
Mounting device	Universal for diameter 48 to 60 mm		

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Dimensional drawing







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