



ClearWay gen2

BGP307 LED45-4S/740 II DM11 CLO-DDF1 D18

ClearWay gen2, LED Module 4500 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	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	
CE mark	Yes	
Warranty period	5 years	
Flammability mark	-	
ENEC mark	ENEC mark	

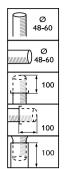
Datasheet, 2024, March 11 data subject to change

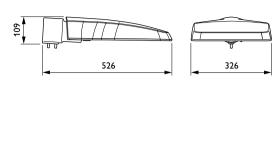
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EU RoHS compliant	No	Overall length	482 mm
		Overall width	330 mm
Light Technical		Overall height	93 mm
Upward light output ratio	0	Effective projected area	0.1151 m²
Luminous Flux	3,828 lm	Dimensions (Height x Width x Depth)	93 x 330 x 482 mm
Standard tilt angle posttop	O°		
Standard tilt angle side entry	0°	Approval and Application	
Correlated Color Temperature (Nom)	4000 K	Ingress protection code	IP66 [Dust penetration-protected, jet-proof
Luminous Efficacy (rated) (Nom)	142 lm/W	Mech. impact protection code	IK09 [10 J]
Color rendering index (CRI)	70	Surge Protection (Common/Differential)	Luminaire surge protection level until 6 kV
Light source color	740 neutral 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	27 W	Initial chromaticity	(0.38, 0.38) SDCM <5
Average CLO power consumption	27.5 W	Power consumption tolerance	+/-10%
End CLO power consumption	27.5 W	Init. Color Rendering Index Tolerance	+/-2
Inrush current	43 A		
Inrush time	0.26 ms	Over Time Performance (IEC Compl	iant)
Power Consumption	27 W	Driver failure rate at 5000 h	0.5 %
Power Factor (Fraction)	0.95	Control gear failure rate at median useful	5 %
Connection	Push-in connector 5-pole	life 50000 h	
Cable	-	Control gear failure rate at median useful	10 %
Number of products on MCB of 16 A type	10	life 100000 h	
В		Lumen maintenance at median useful	L100
		life* 100000 h	,
Temperature			
Ambient temperature range	-40 to +50 °C	Application Conditions	
		Performance ambient temperature Tq	25 ℃
Controls and Dimming		Maximum dim level	0% (digital)
Dimmable	Yes		
Driver/power unit/transformer	Power supply unit with DynaDimmer	Product Data	
Control interface		Order product name	BGP307 LED45-4S/740 II DM11 CLO-DDF1
Constant light output	Yes		D18
		Full product name	BGP307 LED45-4S/740 II DM11 CLO-DDF1
Mechanical and Housing			D18
Housing Material	Aluminum die cast	Full product code	871869699711600
Reflector material		Order code	910925865233
Optic material	Polymethyl methacrylate	Material Nr. (12NC)	910925865233
Optical cover material	Tempered glass	Numerator - Quantity Per Pack	1
Fixation material	Aluminum	EAN/UPC - Product/Case	8718696997116
Housing Color	Gray	Numerator - Packs per outer box	1
Mounting device	Universal for diameter 48 to 60 mm	EAN/UPC - Case	8718696997116
	adjustable		
Optical cover shape	Flat		
Optical cover finish	Clear		

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Dimensional drawing







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