



ClearWay gen2

BGP307 LED109-4S/740 II DM11 CLO-DDF2 D1

ClearWay gen2, LED module 10900 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	LED109 [LED module 10900 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	

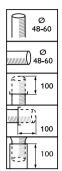
Datasheet, 2024, March 14 data subject to change

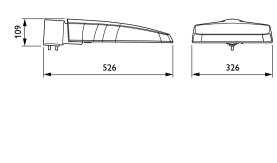
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EU RoHS compliant	No	Overall length	482 mm
		Overall width	330 mm
Light Technical		Overall height	93 mm
Upward light output ratio	0	Effective projected area	0.1151 m²
Luminous Flux	9,030 lm	Dimensions (Height x Width x Depth)	93 x 330 x 482 mm
Standard tilt angle posttop	O°	_	
Standard tilt angle side entry	O°	Approval and Application	
Correlated Color Temperature (Nom)	4000 K	Ingress protection code	IP66 [Dust penetration-protected, jet-proof
Luminous Efficacy (rated) (Nom)	146 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
Optical cover type	Flat glass	Sustainability rating	Lighting for circularity
Luminaire light beam spread	160° - 42° x 54°	Protection class IEC	Safety class II
Optic type outdoor	Distribution medium 11	Photobiological risk	Photobiological risk group 1 @ 200mm to
		_	EN62471
Operating and Electrical		Photobiological risk specification	3.1 m
Input Voltage	220 to 240 V		
Line Frequency	50 to 60 Hz	Initial Performance (IEC Compliant)	
Initial CLO power consumption	62 W	Luminous flux tolerance	+/-7%
Average CLO power consumption	64 W	Initial chromaticity	(0.38, 0.38) SDCM <5
End CLO power consumption	65 W	Power consumption tolerance	+/-10%
Inrush current	47 A	Init. Color Rendering Index Tolerance	+/-2
Inrush time	0.25 ms		
Power Consumption	62 W	Over Time Performance (IEC Compl	iant)
Power Factor (Fraction)	0.99	Driver failure rate at 5000 h	0.5 %
Connection	Push-in connector 5-pole	Control gear failure rate at median useful	5 %
Cable	-	life 50000 h	
Number of products on MCB of 16 A type	10	Control gear failure rate at median useful	10 %
В		life 100000 h	
		Lumen maintenance at median useful	L100
Temperature		life* 100000 h	
Ambient temperature range	-40 to +50 °C	_	
		Application Conditions	
Controls and Dimming		Performance ambient temperature Tq	25 ℃
Dimmable	Yes	Maximum dim level	0% (digital)
Driver/power unit/transformer	Power supply unit with DynaDimmer		
Control interface	-	Product Data	
Constant light output	Yes	Order product name	BGP307 LED109-4S/740 II DM11 CLO-DDF2
			D1
Mechanical and Housing		Full product name	BGP307 LED109-4S/740 II DM11 CLO-DDF2
Housing Material	Aluminum die cast		D1
Reflector material	-	Full product code	871869699731400
Optic material	Polymethyl methacrylate	Order code	910925865253
Optical cover material	Tempered glass	Material Nr. (12NC)	910925865253
Fixation material	Aluminum	Numerator - Quantity Per Pack	1
Housing Color	Gray	EAN/UPC - Product/Case	8718696997314
Mounting device	Universal for diameter 48 to 60 mm	Numerator - Packs per outer box	1
	adjustable	EAN/UPC - Case	8718696997314
Optical cover shape	Flat	_	
Optical cover finish	Clear	=	

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Dimensional drawing







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