



ClearWay gen2

BGP307 LED35-4S/740 II DM11 CLO S05Z1Z1-

ClearWay gen2, LED module 3500 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	LED35 [LED module 3500 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	

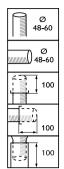
Datasheet, 2024, March 11 data subject to change

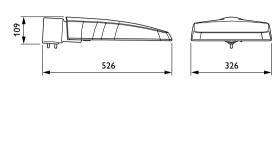
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EU RoHS compliant	No	Optical cover shape	Flat
		Optical cover finish	Clear
Light Technical		Overall length	482 mm
Upward light output ratio	0	Overall width	330 mm
Luminous Flux	2,958 lm	Overall height	93 mm
Standard tilt angle posttop	0°	Effective projected area	0.1151 m²
Standard tilt angle side entry	O°	Dimensions (Height x Width x Depth)	93 x 330 x 482 mm
Correlated Color Temperature (Nom)	4000 K		
Luminous Efficacy (rated) (Nom)	141 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	21 W	Initial Performance (IEC Compliant))
Average CLO power consumption	21 W	Luminous flux tolerance	+/-7%
End CLO power consumption	21.5 W	Initial chromaticity	(0.38, 0.38) SDCM <5
Inrush current	43 A	Power consumption tolerance	+/-10%
Inrush time	0.26 ms	Init. Color Rendering Index Tolerance	+/-2
Power Consumption	21 W		
Power Factor (Fraction)	0.93	Over Time Performance (IEC Compliant)	
Connection	Push-in connector 5-pole	Control gear failure rate at median useful	5 %
Cable	Cable 10 m without plug	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 °C
Dimmable	Yes	Maximum dim level	0% (digital)
Driver/power unit/transformer	Power supply unit (On/Off)		
Control interface	-	Product Data	
Constant light output	Yes	Order product name	BGP307 LED35-4S/740 II DM11 CLO S05Z1Z1-
		Full product name	BGP307 LED35-4S/740 II DM11 CLO S05Z1Z1-
Mechanical and Housing		Full product code	871869699868700
Housing Material	Aluminum die cast	Order code	910925865391
Reflector material	-	Material Nr. (12NC)	910925865391
Optic material	Polymethyl methacrylate	Numerator - Quantity Per Pack	1
Optical cover material	Tempered glass	EAN/UPC - Product/Case	8718696998687
Fixation material	Aluminum	Numerator - Packs per outer box	1
Housing Color	Gray	EAN/UPC - Case	8718696998687
Mounting device	Universal for diameter 48 to 60 mm		
	adjustable		
	<u> </u>		

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Dimensional drawing







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