



# **ClearWay gen2**

## BGP307 LED45-4S/740 II DM50 48/60A

ClearWay gen2, LED Module 4500 lm, 740 neutral white, Safety class II, Distribution medium 50, 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	
Value ladder	Performance	
CE mark	Yes	
Warranty period	5 years	
Flammability mark	-	

## ClearWay gen2

ENEC mark	ENEC mark
EU RoHS compliant	No
Link Taskaisel	
Light Technical	
Upward light output ratio	0
Luminous Flux	3,960 lm
Standard tilt angle posttop	0°
Standard tilt angle side entry	0°
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	144 lm/W
Color rendering index (CRI)	70
Light source color	740 neutral white
Optic type	
Optical cover type	Flat glass
Luminaire light beam spread	154° - 31° x 54°
Optic type outdoor	Distribution medium 50
On such as and Else to be t	
Operating and Electrical	220 1: 240 1/
Input Voltage	220 to 240 V
Line Frequency	50 to 60 Hz
Inrush current	43 A
Inrush time	0.26 ms
Power Consumption	27.5 W
Power Factor (Fraction)	0.95
Connection	Push-in connector 5-pole
Cable	-
Number of products on MCB of 16 A type	10
В	
Temperature	
Ambient temperature range	-40 to +50 °C
Controls and Dimming	
Dimmable	No
Driver/power unit/transformer	Power supply unit (On/Off)
Control interface	-
Constant light output	No
Mechanical and Housing	
Housing Material	Aluminum die cast
Reflector material	
Optic material	Polymethyl methacrylate
Optical cover material	Tempered glass
Fixation material	Aluminum
Housing Color	Gray
Housing Color Mounting device	Gray Universal for diameter 48 to 60 mm
	Universal for diameter 48 to 60 mm

Overall length	482 mm
Overall width	330 mm
Overall height	93 mm
Effective projected area	0.1151 m²
Dimensions (Height x Width x Depth)	93 x 330 x 482 mm

Approval and Application	
Ingress protection code	IP66 [Dust penetration-protected, jet-proof]
Mech. impact protection code	IK09 [10 J]
Surge Protection (Common/Differential)	Luminaire surge protection level until 6 kV
	differential mode and 8 kV common mode
Sustainability rating	Lighting for circularity
Protection class IEC	Safety class II
Photobiological risk	Photobiological risk group 1 @ 200mm to
	EN62471
Photobiological risk specification	3.1 m

Initial Performance (IEC Compliant)	
Luminous flux tolerance	+/-7%
Initial chromaticity	(0.38, 0.38) SDCM <5
Power consumption tolerance	+/-10%
Init. Color Rendering Index Tolerance	+/-2

Over Time Performance (IEC Compliant)	
Driver failure rate at 5000 h	0.5 %
Control gear failure rate at median useful	5 %
life 50000 h	
Control gear failure rate at median useful	10 %
life 100000 h	
Lumen maintenance at median useful	L97
life* 100000 h	

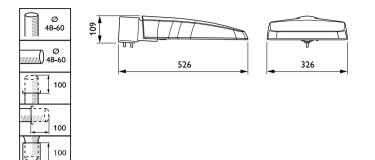
#### Application Conditions

Performance ambient temperature Tq	25 °C
Maximum dim level	Not applicable

#### **Product Data** Order product name BGP307 LED45-4S/740 II DM50 48/60A Full product name BGP307 LED45-4S/740 II DM50 48/60A Full product code 871869698702500 Order code 910925864601 Material Nr. (12NC) 910925864601 1 Numerator - Quantity Per Pack EAN/UPC - Product/Case 8718696987025 Numerator - Packs per outer box 1 8718696987025 EAN/UPC - Case

## ClearWay gen2

### Dimensional drawing





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