



# **ClearWay gen2**

## BGP307 LED109-4S/740 II DM50 48/60S

ClearWay gen2, LED module 10900 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	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
Value ladder	Performance
CE mark	Yes
Warranty period	5 years
Flammability mark	-

## ClearWay gen2

Input Voltage

Inrush time

Connection

Temperature

Ambient temperature range

Cable

в

Line Frequency

**Power Consumption** 

Power Factor (Fraction)

ENEC mark	ENEC mark
EU RoHS compliant	No
Light Technical	
Upward light output ratio	0
Luminous Flux	9,460 lm
Standard tilt angle posttop	0°
Standard tilt angle side entry	0°
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	146 lm/W
Color rendering index (CRI)	70
Light source color	740 neutral white
Optical cover type	Flat glass
Luminaire light beam spread	154° - 31° x 54°
Optic type outdoor	Distribution medium 50
Operating and Electrical	

220 to 240 V

50 to 60 Hz

Push-in connector 5-pole

47 A

65 W

0.99

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10

-40 to +50 °C

0.25 ms

Overall length	482 mm
Overall width	330 mm
	330 11111
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	L96
life* 100000 h	

#### Application Conditions

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

Product Data	
Order product name	BGP307 LED109-4S/740 II DM50 48/60S
Full product name	BGP307 LED109-4S/740 II DM50 48/60S
Full product code	871869698707000
Order code	910925864606
Material Nr. (12NC)	910925864606
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718696987070
Numerator - Packs per outer box	1
EAN/UPC - Case	8718696987070

Controls and Dimming	
Dimmable	
Driver/power unit/transformer	

Number of products on MCB of 16 A type

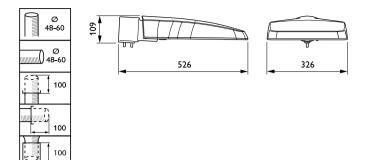
Driver/power unit/transformer	Power supply unit (On/Off)
Control interface	-
Constant light output	No

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 Mounting device Universal for diameter 48 to 60 mm adjustable Optical cover shape Flat Optical cover finish Clear

## ClearWay gen2

### Dimensional drawing





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