



# **ClearWay gen2**

# BGP307 LED109-4S/740 II DM11 CLO-DDF1 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
Value ladder	Performance
CE mark	Yes
Warranty period	5 years
Flammability mark	-

## ClearWay gen2

ENEC mark	ENEC mark
EU RoHS compliant	No
Light Technical	
Upward light output ratio	0
Luminous Flux	9,030 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	160° - 42° x 54°
Optic type outdoor	Distribution medium 11

### **Operating and Electrical**

Input Voltage	220 to 240 V
Line Frequency	50 to 60 Hz
Initial CLO power consumption	62 W
Average CLO power consumption	64 W
End CLO power consumption	65 W
Inrush current	47 A
Inrush time	0.25 ms
Power Consumption	62 W
Power Factor (Fraction)	0.99
Connection	Push-in connector 5-pole
Cable	-
Number of products on MCB of 16 A type	10

-40 to +50 °C

в

## Temperature

Ambient temperature range

 Controls and Dimming

 Dimmable
 Yes

 Driver/power unit/transformer
 Power supply unit with DynaDimmer

 Control interface

 Constant light output
 Yes

## 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
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 group 1@ 200mm to Photobiological risk 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)

· · ·	,
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	L100
life* 100000 h	

## Application Conditions

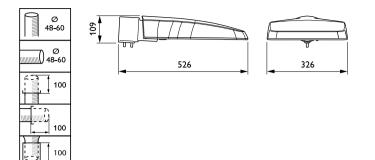
Performance ambient temperature Tq	25 °C
Maximum dim level	0% (digital)

# Product Data Order product name BGP307 LED109-45/740 II DM11 CLO-DDF1

	D1
Full product name	BGP307 LED109-4S/740 II DM11 CLO-DDF1
	D1
Full product code	871869699726000
Order code	910925865248
Material Nr. (12NC)	910925865248
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718696997260
Numerator - Packs per outer box	1
EAN/UPC - Case	8718696997260

## ClearWay gen2

## Dimensional drawing





© 2024 Signify Holding All rights reserved. Signify does not give any representation or warranty as to the accuracy or completeness of the information included herein and shall not be liable for any action in reliance thereon. The information presented in this document is not intended as any commercial offer and does not form part of any quotation or contract, unless otherwise agreed by Signify. Philips and the Philips Shield Emblem are registered trademarks of Koninklijke Philips N.V.

www.lighting.philips.com 2024, March 14 - data subject to change