



ClearWay gen2

BGP307 LED99/740 II DM11 DDF1 SR C10

ClearWay gen2, LED module 9900 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	LED99 [LED module 9900 lm]
Light source replaceable	Yes
Number of gear units	1 unit
Driver included	Yes
Remarks	Zhaga-D4i / SR compatibility: Luminaire prepared for
	D4i / SR drivers and Zhaga Book18 socket, offering a
	standardized futureproof platform for connectivity
	and sensors. For Zhaga-D4i / SR based luminaires
	only Zhaga-D4i / SR Certified components/sensors
	are to be used (see also: https://

www.zhagastandard.org/products / http:// www.lighting.philips.co.uk/oem-emea/products/ driving-connected-lighting) . Functional compatibility of 2 Zhaga-D4i / SR certified) components/sensors to be used in combination as well as override possibility of any lineswitch function used in a SR based luminaire, is to be released by the master component/sensor supplier. For the use of NEMA 7pin socket on a Zhaga-D4i / SR based luminaire a full system verification is required. Not following these advises can/will cause risk of damage and noncompliance for which Signify cannot take any

ClearWay gen2

	responsibility. *-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	
EU RoHS compliant	No	
Light Technical		
Upward light output ratio	0	
Luminous Flux	8,256 lm	
Standard tilt angle posttop	0°	
Standard tilt angle side entry	0°	
Correlated Color Temperature	4000 K	
(Nom)		
Luminous Efficacy (rated) (Nom)	147 lm/W	
Color rendering index (CRI)	70	
Light source color	740 neutral white	
Optic type	-	
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	56 W	
Average CLO power consumption	57 W	
End CLO power consumption	58 W	

47 A

56 W

0.99

Push-in connector 5-pole

Cable 15 m without plug

-40 to +50 °C

Yes

0.25 ms

Driver/power unit/transformer	Power supply unit regulating
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	93 x 330 x 482 mm
Depth)	
Approval and Application	

Approvat and Application	
Ingress protection code	IP66 [Dust penetration-protected, jet-proof]
Mech. impact protection code	IK09 [10 J]
Surge Protection (Common/	Luminaire surge protection level until 6 kV differential
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	+/-2
Tolerance	

Over Time Performance (IEC Compliant)	
Driver failure rate at 5000 h	0.5 %
Control gear failure rate at	5 %
median useful life 50000 h	
Control gear failure rate at	10 %
median useful life 100000 h	
Lumen maintenance at median	L100
useful life* 100000 h	
Application Conditions	
Performance ambient	25 °C
temperature Tq	
Maximum dim level	0% (digital)

A type E	3
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Inrush current

Power Consumption

Power Factor (Fraction)

Inrush time

Connection

Cable

Temperature

Ambient temperature range

Controls and Dimming

Dimmable

Number of products on MCB of 16 30

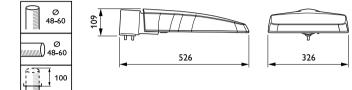
ClearWay gen2

Product Data	
Order product name	BGP307 LED99/740 II DM11 DDF1 SR C10
Full product name	BGP307 LED99/740 II DM11 DDF1 SR C10
Full product code	871869944972800
Order code	910925865707
Material Nr. (12NC)	910925865707

Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718699449728
Numerator - Packs per outer box	1
EAN/UPC - Case	8718699449728

Dimensional drawing

100 100





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