PHILIPS Lighting



ClearWay gen2

BGP307 LED54/740 II DM11 DDF2 SR C10

ClearWay gen2, LED module 5400 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	LED54 [LED module 5400 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
Value ladder	Performance
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	4,524 lm
Standard tilt angle posttop	0°
Standard tilt angle side entry	0°
Correlated Color Temperature	4000 K
(Nom)	
Luminous Efficacy (rated) (Nom)	141 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°
	T

Operating and Electrical

Input Voltage	220 to 240 V
Line Frequency	50 to 60 Hz
Initial CLO power consumption	32 W
Average CLO power consumption	32.5 W
End CLO power consumption	33 W
Inrush current	43 A
Inrush time	0.26 ms
Power Consumption	32 W
Power Factor (Fraction)	0.97
Connection	Push-in connector 5-pole
Cable	Cable 10 m without plug
Number of products on MCB of 16	5 30
A type B	
Temperature	
Ambient temperature range	-40 to +50 °C

Controls and Dimming	
Dimmable	Yes
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	
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

25 °C

Performance ambient

temperature Tq

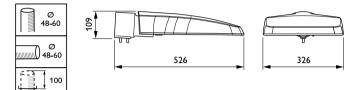
ClearWay gen2

Maximum dim level	0% (digital)
Product Data	
Order product name	BGP307 LED54/740 II DM11 DDF2 SR C10
Full product name	BGP307 LED54/740 II DM11 DDF2 SR C10
Full product code	871869944955100
Order code	910925865689

Material Nr. (12NC)	910925865689
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718699449551
Numerator - Packs per outer box	1
EAN/UPC - Case	8718699449551

Dimensional drawing

100





© 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.