PHILIPS Lighting



ClearWay gen2

BGP307 LED54/830 II DM11 DDF2 SR C10

ClearWay gen2, LED module 5400 lm, 830 warm 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	Driver
	"Evaluating performance of LED based luminaires -	Contro
	January 2018": statistically there is no relevant	Consta
	difference in lumen maintenance between B50 and	
	for example B10. Therefore, the median useful life	Mech
	(B50) value also represents the B10 value. * At	Housi
	extreme ambient temperatures the luminaire might	Reflec
	automatically dim down to protect components	Optic
Light source engine type	LED	Optica
Product family code	BGP307 [ClearWay gen2]	Fixati
Lighting Technology	LED	Housi
CE mark	Yes	Moun
Warranty period	5 years	Optica
Flammability mark		Optica
ENEC mark	ENEC mark	Overa
EU RoHS compliant	No	Overa
· .		Overa
Light Technical		Effect
Upward light output ratio	0	Dime
Luminous Flux	4,524 lm	Depth
Standard tilt angle posttop	0°	Depti
Standard tilt angle side entry	0°	Appr
Correlated Color Temperature	3000 K	
(Nom)		Ingres
Luminous Efficacy (rated) (Nom)	116 lm/W	Mech
Color rendering index (CRI)	80	Surge
Light source color	830 warm white	Differ
Optic type	-	Susta
Optical cover type	Flat glass	Prote
Luminaire light beam spread	160° - 42° x 54°	Photo
Optic type outdoor	Distribution medium 11	Photo
		1
Operating and Electrical		Initia
Input Voltage	220 to 240 V	Lumin
Line Frequency	50 to 60 Hz	Initial
	39 W	Powe
Initial CLO power consumption		Init. C
Average CLO power consumption		Toler
End CLO power consumption	40 W	
Inrush current	47 A	Over

0.25 ms

39 W

0.98

Push-in connector 5-pole

Cable 10 m without plug

-40 to +50 °C

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 m ²
Dimensions (Height x Width x	93 x 330 x 482 mm
Depth)	

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

Initial Performance (IEC Compliant)	
Luminous flux tolerance	+/-7%
Initial chromaticity	(0.43, 0.40) 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 ty	pe B			
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Number of products on MCB of 16 31

Power Factor (Fraction)

Temperature

Inrush time Power Consumption

Connection

Cable

Ambient temperature range

Controls and Dimming

Dimmable

Datasheet, 2024, March 11

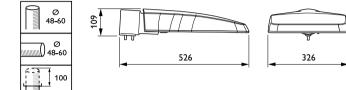
ClearWay gen2

Product Data	
Order product name	BGP307 LED54/830 II DM11 DDF2 SR C10
Full product name	BGP307 LED54/830 II DM11 DDF2 SR C10
Full product code	871869944961200
Order code	910925865695
Material Nr. (12NC)	910925865695

Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718699449612
Numerator - Packs per outer box	1
EAN/UPC - Case	8718699449612

Dimensional drawing

100 100





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www.lighting.philips.com 2024, March 11 - data subject to change