PHILIPS Lighting



ClearWay gen2

BGP307 LED84/740 II DM11 DDF1 SR C10

ClearWay gen2, LED module 8400 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	LED84 [LED module 8400 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

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	responsibility. *-Per Lighting Europe guidance paper	Driver/p
	"Evaluating performance of LED based luminaires -	Control
	January 2018": statistically there is no relevant	Constan
	difference in lumen maintenance between B50 and	
	for example B10. Therefore, the median useful life	Mecha
	(B50) value also represents the B10 value. * At	Housing
	extreme ambient temperatures the luminaire might	Reflecto
	automatically dim down to protect components	Optic m
Light source engine type	LED	Optical
Product family code	BGP307 [ClearWay gen2]	Fixation
Lighting Technology	LED	Housing
CE mark	Yes	Mountir
Warranty period	5 years	Optical
Flammability mark	-	Optical
ENEC mark	ENEC mark	Overall
EU RoHS compliant	No	Overall
		Overall
Light Technical		Effectiv
Upward light output ratio	0	Dimens
Luminous Flux	7,134 lm	Depth)
Standard tilt angle posttop	0°	
Standard tilt angle side entry	0°	Approv
Correlated Color Temperature	4000 K	Ingress
(Nom)		Mech. ii
Luminous Efficacy (rated) (Nom)	149 lm/W	Surge P
Color rendering index (CRI)	70	Differen
Light source color	740 neutral white	Sustain
Optic type	-	Protect
Optical cover type	Flat glass	Photobi
Luminaire light beam spread	160° - 42° x 54°	Photobi
Optic type outdoor	Distribution medium 11	
		Initial
Operating and Electrical		Lumino
Input Voltage	220 to 240 V	Initial cl
Line Frequency	50 to 60 Hz	Power
Initial CLO power consumption	48 W	Init. Col
Average CLO power consumption	48.5 W	Toleran
End CLO power consumption	49 W	
Inrush current	47 A	Over T
Inrush time	0.25 ms	Driver f

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]
Mach impact protection code	

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)

Input Voltage	220 to 240 V
Line Frequency	50 to 60 Hz
Initial CLO power consumption	48 W
Average CLO power consumption	48.5 W
End CLO power consumption	49 W
Inrush current	47 A
Inrush time	0.25 ms
Power Consumption	48 W
Power Factor (Fraction)	0.98
Connection	Push-in connector 5-pole
Cable	Cable 15 m without plug
Number of products on MCB of 16	i 10

-40 to +50 °C

Yes

A type B

Temperature

Ambient temperature range

Controls and Dimming

Dimmable

Datasheet, 2024, March 11

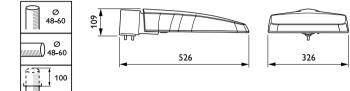
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Product Data	
Order product name	BGP307 LED84/740 II DM11 DDF1 SR C10
Full product name	BGP307 LED84/740 II DM11 DDF1 SR C10
Full product code	871869944971100
Order code	910925865706
Material Nr. (12NC)	910925865706

Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718699449711
Numerator - Packs per outer box 1	
EAN/UPC - Case	8718699449711

Dimensional drawing

100 100





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