



# ClearWay gen2

### BGP307 LED18/830 II DM11 SR C10

ClearWay gen2, LED module 1800 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	LED18 [LED module 1800 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 non-compliance for which Signify cannot take any

Datasheet, 2024, March 11 data subject to change

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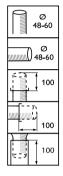
	responsibility. *-Per Lighting Europe guidance paper	Controls and Dimming	
	"Evaluating performance of LED based luminaires -	Dimmable	Yes
	January 2018": statistically there is no relevant	Driver/power unit/transformer	Power supply unit with DALI interface
	difference in lumen maintenance between B50 and	Control interface	-
	for example B10. Therefore, the median useful life	Constant light output	Yes
	(B50) value also represents the B10 value. * At		
	extreme ambient temperatures the luminaire might	Mechanical and Housing	
	automatically dim down to protect components	Housing Material	Aluminum die cast
Light source engine type	LED	Reflector material	-
Service tag	Yes	Optic material	Polymethyl methacrylate
Product family code	BGP307 [ClearWay gen2]	Optical cover material	Tempered glass
Lighting Technology	LED	Fixation material	Aluminum
CE mark	Yes	Housing Color	Gray
Warranty period	5 years	Mounting device	Universal for diameter 48 to 60 mm adjustable
Flammability mark	-	Optical cover shape	Flat
ENEC mark	ENEC mark	Optical cover finish	Clear
EU RoHS compliant	No	Overall length	482 mm
		Overall width	330 mm
Light Technical		Overall height	104 mm
Upward light output ratio	0	Effective projected area	0.1151 m²
Luminous Flux	1,522.5 lm	Dimensions (Height x Width x	104 x 330 x 482 mm
Standard tilt angle posttop	0°	Depth)	
Standard tilt angle side entry	0°		
Correlated Color Temperature	3000 K	Approval and Application	
(Nom)		Ingress protection code	IP66 [Dust penetration-protected, jet-proof]
Luminous Efficacy (rated) (Nom)	106 lm/W	Mech. impact protection code	IK09 [10 J]
Color rendering index (CRI)	80	Surge Protection (Common/	Luminaire surge protection level until 6 kV differential
Light source color	830 warm white	Differential)	mode and 8 kV common mode
Optic type		Sustainability rating	Lighting for circularity
Optical cover type	Flat glass	Protection class IEC	Safety class II
Luminaire light beam spread	160° - 42° x 54°	Photobiological risk	Photobiological risk group 1 @ 200mm to EN62471
Optic type outdoor	Distribution medium 11	Photobiological risk specification	3.1 m
Operating and Electrical		Initial Performance (IEC Com	pliant)
Input Voltage	220 to 240 V	Luminous flux tolerance	+/-7%
Line Frequency	50 to 60 Hz	Initial chromaticity	(0.43, 0.40) SDCM <5
Initial CLO power consumption	14.4 W	Power consumption tolerance	+/-10%
Average CLO power consumption	14.6 W	Init. Color Rendering Index	+/-2
End CLO power consumption	14.8 W	Tolerance	
Inrush current	12 A		
Inrush time	0.27 ms	Over Time Performance (IEC	Compliant)
Power Consumption	14.4 W	Driver failure rate at 5000 h	0.5 %
Power Factor (Fraction)	0.98	Control gear failure rate at	5 %
Connection	Push-in connector 5-pole	median useful life 50000 h	
Cable	Cable 10 m without plug	Control gear failure rate at	10 %
Number of products on MCB of 16	<b>3</b> 21	median useful life 100000 h	
A type B		Lumen maintenance at median	L100
		useful life* 100000 h	
Temperature			
Ambient temperature range	-40 to +50 °C	Application Conditions	
		Performance ambient	25 °C
		temperature Tq	
		-	

## ClearWay gen2

Maximum dim level	0% (digital)
Product Data	
Order product name	BGP307 LED18/830 II DM11 SR C10
Full product name	BGP307 LED18/830 II DM11 SR C10
Full product code	871869944956800
Order code	910925865690

Material Nr. (12NC)	910925865690
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718699449568
Numerator - Packs per outer box	1
EAN/UPC - Case	8718699449568

#### Dimensional drawing







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