DigiStreet

BGP762 LED120-/830 II DN11 DGR D11 76

DigiStreet Medium, LED module 12000 lm, 830 warm white, Safety class II, Distribution narrow 11, Dark gray, Luminaire surge protection level until 6 kV differential mode and 8 kV common mode, Spigot for diameter 76 mm

Developed with the aim of becoming your long-term partner,. the system-ready architecture of DigiStreet enables you to enjoy the benefits of connected lighting systems today and also gets the city ready for the innovations to come! Its two sockets enable you to connect directly to the Philips CityTouch system and it is also prepared to connect you to the future innovations of IoT. Next to this, each individual luminaire is uniquely identifiable, thanks to the Philips Service tag application. With a simple scan of a QR code, placed on the inside of the mast door, you gain instant access to the luminaire configuration, making maintenance and programming operations faster and easier, no matter what stage of the luminaire's lifetime. Digistreet is also equipped with dedicated light recipes that: 1) maintain optimal ecosystems for bats or 2) preserve a dark night sky.

Product data

General Information

Lamp family code	LED120 [LED module 12000 lm]
Light source replaceable	No
Number of gear units	1 unit
Gear	EB [Electronic]
Driver included	Yes
Remarks	*-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.
Light source engine type	LED
Product family code	BGP762 [DigiStreet Medium]
Lighting Technology	LED
Value ladder	Specification
CE mark	Yes
Warranty period	5 years
Flammability mark	-

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ENEC mark	ENEC mark		**Mounting device**	Spigot for diameter 76 mm
Glow-wire test	Temperature 650 °C, duration 5 s		**Optical cover shape**	Flat
EU RoHS compliant	Yes		**Optical cover finish**	Clear
			Overall length	860 mm
Light Technical			**Overall width**	361 mm
Upward light output ratio	0		**Overall height**	107 mm
Luminous Flux	10,800 lm		**Effective projected area**	0.068 m²
Standard tilt angle posttop	0°		**Dimensions (Height x Width x Depth)**	107 x 361 x 860 mm
Standard tilt angle side entry	0°			
Correlated Color Temperature (Nom)	3000 K		**Approval and Application**	
Luminous Efficacy (rated) (Nom)	121 lm/W		**Ingress protection code**	IP66 [Dust penetration-protected, jet-proof]
Color rendering index (CRI)	80		**Mech. impact protection code**	IK09 [10 J]
Number of light sources	1		**Surge Protection (Common/Differential)**	Luminaire surge protection level until 6 kV differential mode and 8 kV common mode
Light source color	830 warm white			
Optical cover type	Flat glass		**Protection class IEC**	Safety class II
Luminaire light beam spread	53° x 71°		**Photobiological risk**	Photobiological risk group 0 @200mm to EN62778
Optic type outdoor	Distribution narrow 11			
			Initial Performance (IEC Compliant)	
Operating and Electrical			**Luminous flux tolerance**	+/-7%
Input Voltage	220-240 V		**Initial chromaticity**	(0.43, 0.40) SDCM <5
Line Frequency	50 to 60 Hz		**Power consumption tolerance**	+/-10%
Initial CLO power consumption	– W		**Init. Color Rendering Index Tolerance**	+/-2
Average CLO power consumption	– W			
End CLO power consumption	– W		**Over Time Performance (IEC Compliant)**	
Inrush current	53 A		**Control gear failure rate at median useful life 100000 h**	10 %
Inrush time	0.3 ms			
Power Consumption	89 W		**Lumen maintenance at median useful life* 100000 h**	L91
Power Factor (Fraction)	0.99			
Connection	Screw connection block 3-pole			
Cable	–		**Application Conditions**	
Number of products on MCB of 16 A type B	8		**Performance ambient temperature Tq**	25 °C
			Maximum dim level	Not applicable
Temperature				
Ambient temperature range	–40 to +50 °C		**Product Data**	
			Order product name	BGP762 LED120-/830 II DN11 DGR D11 76
Controls and Dimming			**Full product name**	BGP762 LED120-/830 II DN11 DGR D11 76
Driver/power unit/transformer	Power supply unit regulating		**Full product code**	871869637827400
Control interface	–		**Order code**	37827400
Constant light output	No		**Material Nr. (12NC)**	910925863704
			Numerator – Quantity Per Pack	1
Mechanical and Housing			**EAN/UPC – Product/Case**	8718696378274
Housing Material	Aluminum		**Numerator – Packs per outer box**	1
Reflector material	Polycarbonate		**EAN/UPC – Case**	8718696378274
Optic material	Acrylate			
Optical cover material	Glass			
Fixation material	Steel			
Housing Color	Dark gray			

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Dimensional drawing

www.lighting.philips.com

2023, April 29 – data subject to change