



# DigiStreet

## BGP762 LED159-/830 II DM70 DGR DDF27 D18

DigiStreet Medium, LED module 15900 lm, 830 warm white, Safety class II, Distribution medium 70, Dark grey, Luminaire surge protection level up to 6 kV differential mode and 8 kV common mode, Spigot for diameter 60 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	LED159 [LED module 15900 lm]	lumen maintenance between the B50 and, for example, the B10. Therefore, the median useful life (B50) value also represents the B10 value.
Light source replaceable	No	
Number of gear units	Unit	
Gear	EB [Electronic]	
Driver included	Yes	
Remarks	*- According to the Lighting Europe guidance paper 'Evaluating performance of LED based luminaires – January 2018': statistically there is no relevant difference in	
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	-
ENEC mark	ENEC mark
Glow-wire test	Temperature 650 °C, duration 5 s
EU RoHS compliant	Yes

#### Light Technical

Upwards light output ratio	0
Luminous Flux	13,920 lm
Standard tilt angle post-top	0°
Standard tilt angle side entry	0°
Correlated Colour Temperature	3000 K
Luminous efficacy (rated) (nom.)	118 lm/W
Colour rendering index (CRI)	80
Light source colour	830 warm white
Optical cover type	Flat glass
Luminaire light beam spread	-
Optic type outdoor	Distribution medium 70

#### Operating and Electrical

Input Voltage	220-240 V
Line Frequency	50 to 60 Hz
Initial CLO power consumption	- W
Average CLO power consumption	- W
End CLO power consumption	- W
Inrush current	53 A
Inrush time	0.3 ms
Power Consumption	118 W
Power Factor (Fraction)	0.99
Connection	Screw connection block 3-pole
Cable	-
Number of products on MCB of 16 A type B	8

#### Temperature

Ambient temperature range	-40 to +50 °C
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#### Controls and Dimming

Dimmable	Yes
Driver/power unit/transformer	Power supply unit with DynaDimmer
Control interface	-
Constant light output	No

#### Mechanical and Housing

Housing material	Aluminium
Reflector material	Polycarbonate
Optic material	Acrylate
Optical cover/lens material	Glass
Fixation material	Steel
Housing Colour	Dark grey
Mounting device	Spigot for diameter 60 mm

Optical cover/lens shape	Flat
Optical cover/lens finish	Clear
Overall length	860 mm
Overall width	361 mm
Overall height	107 mm
Effective projected area	0.068 m <sup>2</sup>
Dimensions (height x width x depth)	107 x 361 x 860 mm

#### Approval and Application

Ingress protection code	IP66 [Dust penetration-protected, jet-proof]
Mech. impact protection code	IK09 [10 J]
Surge Protection (Common/Differential)	Luminaire surge protection level up to 6 kV differential mode and 8 kV common mode
Protection class IEC	Safety class II
Photobiological risk	Photobiological risk group 0 @200mm to EN62778

#### Initial Performance (IEC Compliant)

Luminous flux tolerance	+/-7%
Initial chromaticity	(0.43, 0.40) SDCM <5
Power consumption tolerance	+/-10%
Init. Color Rendering Index Tolerance	+/-2

#### Over Time Performance (IEC Compliant)

Control gear failure rate at median useful life 100,000 h	10 %
Lumen maintenance at median useful life* 100,000 h	L91

#### Application Conditions

Performance ambient temperature Tq	25 °C
Maximum dim level	50%

#### Product Data

Order product name	BGP762 LED159-/830 II DM70 DGR DDF27 D18
Full product name	BGP762 LED159-/830 II DM70 DGR DDF27 D18
Full EOC	871869637831100
Order code	37831100
Material no. (12 NC)	910925863708
SAP numerator – quantity per pack	1
EAN/UPC – Product/Case	8718696378311
Numerator – packs per outer box	1
EAN/UPC – Case	8718696378311

Dimensional drawing

