



# DigiStreet

## BGP760 LED16-/830 II DN11 DGR D11 62

BGP760 | DigiStreet Micro, LED16 | LED module 1600 lm, 830 warm white, Safety class II, Distribution narrow 11, Dark gray, Spigot for diameter 62 mm

Developed with the aim to become 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 CityTouch system and is also prepared to connect you to the future innovations of IoT. Next to this, each individual luminaire is uniquely identifiable, thanks to the 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 an optimal ecosystems for bats or 2) preserve a dark night sky.

### Product data

General Information	
Lamp family code	LED16 [LED module 1600 lm]
Light source replaceable	Yes
Number of gear units	1 unit
Gear	EB [Electronic]
Driver included	Yes
Light source engine type	LED
Service tag	Yes
Lighting Technology	LED
Value ladder	Specification

Serviceability class	Class A, luminaire is equipped with serviceable parts (when applicable): LED board, driver, control units, surge protection device, optics, front cover and mechanical parts
Warranty period	5 years
Sustainability rating	Signify Circle

Light Technical	
Upward light output ratio	0
Luminous Flux	1,456 lm

Correlated Color Temperature (Nom)	3000 K
Luminous Efficacy (rated) (Nom)	123 lm/W
Color rendering index (CRI)	80
Number of light sources	1
Light source color	830 warm white
Luminaire light beam spread	53° x 71°
Optic type outdoor	Distribution narrow 11
Effective projected area	0.0578 m²

**Sustainability Data**

Product non-virgin material ratio	7.43 %
GWP total B6 (kg CO2eq) Declared Unit	Please calculate using your local energy mix value: Power Declared Unit (kW) * Service life (hrs) Declared Unit * Energy mix (kg CO2eq / kwh)
GWP total B6 (kg CO2eq) Functional Unit	Please calculate using your local energy mix value: Power Declared Unit (kW) * 1000 (lm) / lumen output (lm) Declared Unit * 35000 (hrs) * Energy mix (kg CO2 eq / kwh)

**Operating and Electrical**

Input Voltage	220-240 V
Line Frequency	50 to 60 Hz
Inrush current	15 A
Inrush time	0.295 ms
Power Consumption	11.8 W
Power Factor (Fraction)	0.98
Connection	Screw connector
Cable	-
Number of products on MCB of 16 A type B	48
Protection class IEC	Safety class II
Surge Protection (Common/Differential)	Surge protection level until 6 kV differential mode and 8 kV common mode

**Controls and Dimming**

Dimmable	Yes
Driver/power unit/transformer	Power supply unit (On/Off)
Control interface	-
Constant light output	No
Maximum dim level	Not applicable

**Mechanical and Housing**

Housing Material	Aluminum die cast
Reflector material	Polycarbonate
Optic material	Acrylate
Optical cover material	Glass
Fixation material	Stainless steel
Housing Color	Dark gray
Mounting device	Spigot for diameter 62 mm
Optical cover shape	Flat
Optical cover finish	Clear

Overall length	695 mm
Overall width	236 mm
Overall height	103 mm
Dimensions (Height x Width x Depth)	103 x 236 x 695 mm
Ingress protection code	IP66 [Dust penetration-protected, jet-proof]
Mech. impact protection code	IK09 [10 J]
Standard tilt angle posttop	0°
Standard tilt angle side entry	0°
Optical cover type	Flat glass
Net Weight (Piece)	5.727 kg

**Approval and Application**

Glow-wire test	Temperature 650 °C, duration 5 s
Flammability mark	-
CE mark	Yes
ENEC mark	ENEC mark
Photobiological risk	Photobiological risk group 0 @200mm to EN62778
EU RoHS compliant	Yes
Performance ambient temperature Tq	25 °C
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. * At extreme ambient temperatures the luminaire might automatically dim down to protect components
Ambient temperature range	-40 to +50 °C

**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
Standard Deviation of Colour Matching (McAdam ellipse)	SDCM≤5

**Over Time Performance (IEC Compliant)**

Control gear failure rate at median useful life 50000 h	5 %
Control gear failure rate at median useful life 100000 h	10 %
Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 50000 h	L99
Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 100000 h	L97

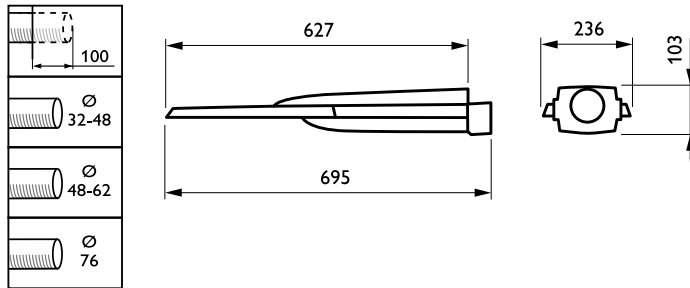
**Product Data**

Order product name	BGP760 LED16-/830 II DN11 DGR D11 62
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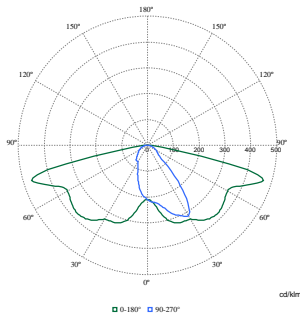
Full product name	BGP760 LED16-/830 II DN11 DGR D11 62
Full product code	871869637682900
Order code	910925863557
Material Nr. (12NC)	910925863557
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718696376829

Numerator - Packs per outer box	1
EAN/UPC - Case	8718696376829
Product family code	BGP760 [DigiStreet Micro]

## Dimensional drawing



## Photometric data



Polar Normal (separate) - BGP760I - 910925863557

