

# DigiStreet

## BGP760 LED12-/830 II DM11 DGR D9 62

BGP760 | DigiStreet Micro, LED12 | LED Module 1200 lm, 830 warm white, Safety class II, Distribution medium 11, Dark gray, Surge protection level until 6 kV differential mode and 8 kV common mode, Spigot for diameter 62 mm

Road & street light, Aluminum die cast, Dark gray, Spigot for diameter 62 mm, Power supply unit with DALI interface, 1092 lm, 8 W, 115 lm/W, 3000 K, (0.43: 0.40) SDCM <5, CRI80, Distribution medium 11, IP66 | Dust penetration-protected, jet-proof, IK09 | 10 J, Safety class II, Surge protection level until 6 kV differential mode and 8 kV common mode, Screw connector

### Product data

General Information		Operating and Electrical	
Lamp family code	LED12 [LED Module 1200 lm]	Luminous Efficacy (rated) (Nom)	115 lm/W
Light source replaceable	Yes	Color rendering index (CRI)	80
Number of gear units	1 unit	Number of light sources	1
Gear	EB [Electronic]	Light source color	830 warm white
Driver included	Yes	Luminaire light beam spread	160° - 42° x 54°
Light source engine type	LED	Optic type outdoor	Distribution medium 11
Service tag	Yes	Effective projected area	0.0578 m <sup>2</sup>
Lighting Technology	LED		
Value ladder	Specification	Input Voltage	220-240 V
Warranty period	5 years	Line Frequency	50 to 60 Hz
		Inrush current	15 A
		Inrush time	0.295 ms
		Power Consumption	8 W
		Power Factor (Fraction)	0.96
		Connection	Screw connector
Light Technical			
Upward light output ratio	0		
Luminous Flux	1,092 lm		
Correlated Color Temperature (Nom)	3000 K		

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 with DALI interface
Control interface	DALI
Constant light output	No
DALI Standard	DALI-2™
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
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### 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

### Sustainability Data

Sustainability rating	Signify Circle
Repair class	Repair Class B, the driver and light source of this luminaire can be replaced by a service technician. Parts and documentation are available for an extended period of time.
Embedded carbon (A1-A3)	127 kg CO <sub>2</sub> e
Product non-virgin material ratio	7.43 %
Recyclable content ratio of the finished product	53.7 %
GWP total B6 (kg CO <sub>2</sub> eq) Declared Unit	Please calculate using your local energy mix value: Power Declared Unit (kW) * Service life (hrs) Declared Unit * Energy mix (kg CO <sub>2</sub> eq / kWh)
GWP total B6 (kg CO <sub>2</sub> eq) 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 CO <sub>2</sub> eq / kWh)
Non-virgin material ratio of the packaging	Cardboard > 80% recycled Plastic >35% recycled
Packaging Recyclable content ratio	Cardboard recycling rate > 80% Plastic recycling rate > 40%
Packaging Material	Cardboard Plastic

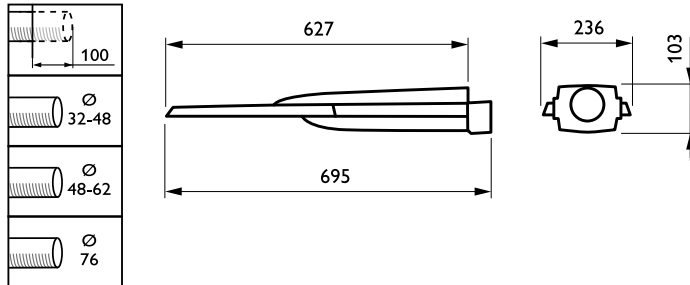
### Product Data

Order product name	BGP760 LED12-/830 II DM11 DGR D9 62
Full product name	BGP760 LED12-/830 II DM11 DGR D9 62
Full product code	871869637680500
Order code	910925863555

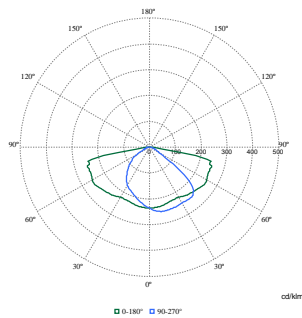
Material Nr. (12NC)	910925863555
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718696376805
Numerator - Packs per outer box	1

EAN/UPC - Case	8718696376805
Product family code	BGP760 [DigiStreet Micro]

## Dimensional drawing



## Photometric data



Polar Normal (separate) - BGP760I - 910925863555

