



# DigiStreet

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

DigiStreet, Road & street light, 106 W, 13920 lm, 3000 K, CRI80, Programmable (via DALI or NFC) stand-alone dimming, Distribution medium 70, Safety class II, IP66

Road & street light, Aluminum die cast, Dark gray, Spigot for diameter 62 mm, Power supply unit with DynaDimmer, DynaDimmer with fixed presets version 27, 13920 lm, 106 W, 132 lm/W, 3000 K, (0.43, 0.40) SDCM <5, CRI80, Distribution medium 70, 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	LED159 [LED module 15900 lm]	Color rendering index (CRI)	80
Light source replaceable	Yes	Light source color	830 warm white
Number of gear units	1 unit	Luminaire light beam spread	-
Driver included	Yes	Optic type outdoor	Distribution medium 70
Light source engine type	LED	Effective projected area	0.068 m <sup>2</sup>
Service tag	Yes	<b>Operating and Electrical</b>	
Lighting Technology	LED	Input Voltage	220-240 V
Value ladder	Specification	Line Frequency	50 to 60 Hz
Warranty period	5 years	Inrush current	53 A
<b>Light Technical</b>		Inrush time	0.3 ms
Upward light output ratio	0	Power Consumption	106 W
Luminous Flux	13,920 lm	Power Factor (Fraction)	0.99
Correlated Color Temperature (Nom)	3000 K	Connection	Screw connector
Luminous Efficacy (rated) (Nom)	132 lm/W	Cable	-
		Number of products on MCB of 16 A type B	8

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 DynaDimmer
Control interface	Programmable (via DALI or NFC) stand-alone dimming
Constant light output	No
DALI Standard	DALI-2™
Maximum dim level	50%
Embedded control	DynaDimmer with fixed presets version 27

### 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	860 mm
Overall width	361 mm
Overall height	107 mm
Dimensions (Height x Width x Depth)	107 x 361 x 860 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)	8.940 kg

### Approval and Application

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	* 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	L98
Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 100000 h	L96

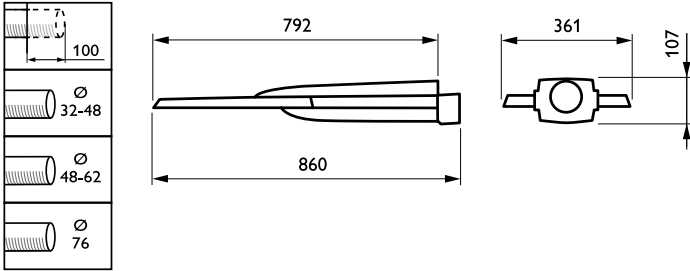
### Sustainability Data

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)	122 kg CO <sub>2</sub> e
Product non-virgin material ratio	6.6 %
Recyclable content ratio of the finished product	24.6 %
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

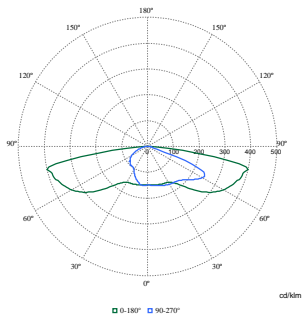
### Product Data

Order product name	BGP762 LED159-/830 II DM70 DGR DDF27 D18
Full product name	BGP762 LED159-/830 II DM70 DGR DDF27 D18
Full product code	871869637831100
Order code	910925866221
Material Nr. (12NC)	910925866221
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718696378311
Numerator - Packs per outer box	1
EAN/UPC - Case	8718696378311
Product family code	BGP762 [DigiStreet Medium]

Dimensional drawing



Photometric data



Polar Normal (separate) - BGP762I - 910925866221

