



# DigiStreet

## BGP762 LED180-/740 I DX10 DGR 32-48

DigiStreet, Road & street light, 100 W, 15480 lm, 4000 K, CRI70, Distribution extra wide 10, Safety class I, IP66

Road & street light, Aluminum die cast, Dark gray, Spigot for diameter 32 to 48 mm, Power supply unit (On/Off), 15480 lm, 100 W, 155 lm/W, 4000 K, (0.38. 0.38) SDCM <5, CRI70, Distribution extra wide 10, IP66 | Dust penetration-protected, jet-proof, IK09 | 10 J, Safety class I, Surge protection level until 6 kV differential mode and 8 kV common mode, Screw connector

### Product data

General Information	
Lamp family code	LED180 [LED module 18000 lm]
Light source replaceable	Yes
Number of gear units	1 unit
Driver included	Yes
Light source engine type	LED
Service tag	Yes
Lighting Technology	LED
Value ladder	Specification
Warranty period	5 years
Light Technical	
Upward light output ratio	0
Luminous Flux	15,480 lm
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	155 lm/W
Color rendering index (CRI)	70
Light source color	740 neutral white

Luminaire light beam spread	150° - 43° x 67°
Optic type outdoor	Distribution extra wide 10
Effective projected area	0.068 m <sup>2</sup>
Operating and Electrical	
Input Voltage	220-240 V
Line Frequency	50 to 60 Hz
Inrush current	53 A
Inrush time	0.3 ms
Power Consumption	100 W
Power Factor (Fraction)	0.99
Connection	Screw connector
Cable	-
Number of products on MCB of 16 A type B	8
Protection class IEC	Safety class I
Surge Protection (Common/Differential)	Surge protection level until 6 kV differential mode and 8 kV common mode

Controls and Dimming	
Dimmable	No
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 32 to 48 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)	9.038 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

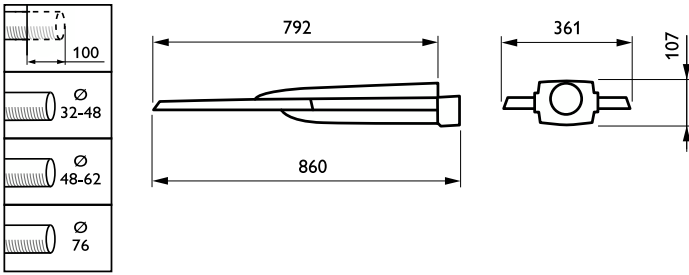
Initial Performance (IEC Compliant)	
Luminous flux tolerance	+/-7%
Initial chromaticity	(0.38, 0.38) SDCM <5
Power consumption tolerance	+/-10%
Init. Color Rendering Index Tolerance	+/-2
Standard Deviation of Colour Matching (McAdam ellipse)	SDCM≤5

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

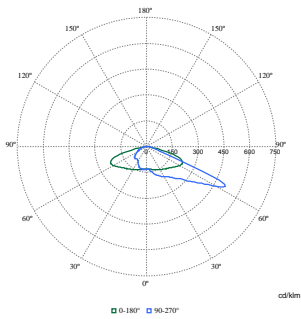
Sustainability Data	
Sustainability rating	Signify Circle
Repair class	Repair Class B, the driver and light source of this luminaire can be replaced by a service technician. Parts and documentation are available for an extended period of time.
Embedded carbon (A1-A3)	122 kg CO <sub>2e</sub>
Product non-virgin material ratio	6.6 %
Recyclable content ratio of the finished product	24.6 %
GWP total B6 (kg CO <sub>2eq</sub> ) Declared Unit	Please calculate using your local energy mix value: Power Declared Unit (kW) * Service life (hrs) Declared Unit * Energy mix (kg CO <sub>2eq</sub> / kWh)
GWP total B6 (kg CO <sub>2eq</sub> ) 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>2eq</sub> / 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 LED180-/740 I DX10 DGR 32-48
Full product name	BGP762 LED180-/740 I DX10 DGR 32-48
Full product code	871869637834200
Order code	37834200
Material Nr. (12NC)	910925866226
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718696378342
Numerator - Packs per outer box	1
EAN/UPC - Case	8718696378342
Product family code	BGP762 [DigiStreet Medium]

Dimensional drawing



Photometric data



Polar Normal (separate) - BGP762I - 910925866226

