

# DigiStreet

## BGP760 LED49-/740 II DX70 DGR 62

BGP760 | DigiStreet Micro, LED49 | LED module 4900 lm, 740 neutral white, Safety class II, Distribution extra wide 70, Dark gray, Spigot for diameter 62 mm

Road & street light, Aluminum die cast, Dark gray, Spigot for diameter 62 mm, Power supply unit (On/Off), 4263 lm, 29.5 W, 143 lm/W, 4000 K, (0.38. 0.38) SDCM <5, CRI70, Distribution extra wide 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		Color rendering index (CRI)	
Lamp family code	LED49 [LED module 4900 lm]	Color rendering index (CRI)	70
Light source replaceable	Yes	Number of light sources	1
Number of gear units	1 unit	Light source color	740 neutral white
Gear	EB [Electronic]	Luminaire light beam spread	106° x 44°
Driver included	Yes	Optic type outdoor	Distribution extra wide 70
Light source engine type	LED	Effective projected area	0.0578 m <sup>2</sup>
Service tag	Yes	Operating and Electrical	
Lighting Technology	LED	Input Voltage	220-240 V
Value ladder	Specification	Line Frequency	50 to 60 Hz
Warranty period	5 years	Inrush current	21 A
Light Technical		Inrush time	0.225 ms
Upward light output ratio	0	Power Consumption	29.5 W
Luminous Flux	4,263 lm	Power Factor (Fraction)	0.98
Correlated Color Temperature (Nom)	4000 K	Connection	Screw connector
Luminous Efficacy (rated) (Nom)	143 lm/W	Cable	-

Number of products on MCB of 16 A type B	30
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	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 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
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	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)	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)
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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)
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Non-virgin material ratio of the packaging	Cardboard > 80% recycled Plastic >35% recycled
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Packaging Recyclable content ratio	Cardboard recycling rate > 80% Plastic recycling rate > 40%
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Packaging Material	Cardboard Plastic
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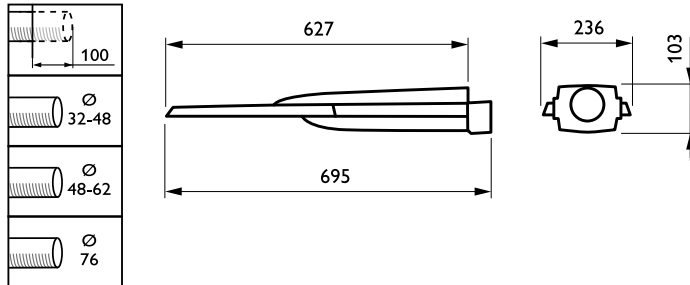
### Product Data

Order product name	BGP760 LED49-/740 II DX70 DGR 62
Full product name	BGP760 LED49-/740 II DX70 DGR 62
Full product code	871869637692800
Order code	910925863567
Material Nr. (12NC)	910925863567

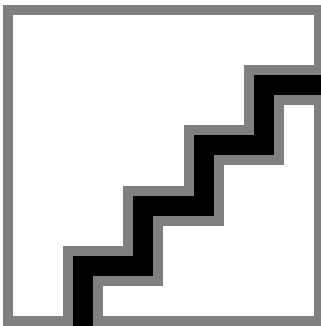
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718696376928
Numerator - Packs per outer box	1
EAN/UPC - Case	8718696376928

Product family code	BGP760 [DigiStreet Micro]
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## Dimensional drawing



## Photometric data



Polar Normal (separate) - BGP760I - 910925863567

