



# DigiStreet

## BGP761 LED79-/830 II DM70 DGR DDF27 D18

DigiStreet, Road & street light, 54 W, 6688 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, 6688 lm, 54 W, 129 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		Light source color	
Lamp family code	LED79 [LED module 7900 lm]	Light source color	830 warm white
Light source replaceable	Yes	Luminaire light beam spread	-
Number of gear units	1 unit	Optic type outdoor	Distribution medium 70
Driver included	Yes	Effective projected area	0.0666 m²
Light source engine type	LED	Operating and Electrical	
Service tag	Yes	Input Voltage	220-240 V
Lighting Technology	LED	Line Frequency	50 to 60 Hz
Value ladder	Specification	Inrush current	46 A
Warranty period	5 years	Inrush time	0.25 ms
		Power Consumption	54 W
		Power Factor (Fraction)	0.98
		Connection	Screw connector
		Cable	-
		Number of products on MCB of 16 A type B	11
		Protection class IEC	Safety class II
Light Technical			
Upward light output ratio	0		
Luminous Flux	6,688 lm		
Correlated Color Temperature (Nom)	3000 K		
Luminous Efficacy (rated) (Nom)	129 lm/W		
Color rendering index (CRI)	80		

<b>Surge Protection (Common/Differential)</b>	Surge protection level until 6 kV differential mode and 8 kV common mode
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### Controls and Dimming

<b>Dimmable</b>	Yes
<b>Driver/power unit/transformer</b>	Power supply unit with DynaDimmer
<b>Control interface</b>	Programmable (via DALI or NFC) stand-alone dimming
<b>Constant light output</b>	No
<b>DALI Standard</b>	DALI-2™
<b>Maximum dim level</b>	50%
<b>Embedded control</b>	DynaDimmer with fixed presets version 27

### Mechanical and Housing

<b>Housing Material</b>	Aluminum die cast
<b>Reflector material</b>	Polycarbonate
<b>Optic material</b>	Acrylate
<b>Optical cover material</b>	Glass
<b>Fixation material</b>	Stainless steel
<b>Housing Color</b>	Dark gray
<b>Mounting device</b>	Spigot for diameter 62 mm
<b>Optical cover shape</b>	Flat
<b>Optical cover finish</b>	Clear
<b>Overall length</b>	860 mm
<b>Overall width</b>	236 mm
<b>Overall height</b>	107 mm
<b>Dimensions (Height x Width x Depth)</b>	107 x 236 x 860 mm
<b>Ingress protection code</b>	IP66 [Dust penetration-protected, jet-proof]
<b>Mech. impact protection code</b>	IK09 [10 J]
<b>Standard tilt angle posttop</b>	0°
<b>Standard tilt angle side entry</b>	0°
<b>Optical cover type</b>	Flat glass
<b>Net Weight (Piece)</b>	7.610 kg

### Approval and Application

<b>Flammability mark</b>	-
<b>CE mark</b>	Yes
<b>ENEC mark</b>	ENEC mark
<b>Photobiological risk</b>	Photobiological risk group 0 @200mm to EN62778
<b>EU RoHS compliant</b>	Yes
<b>Performance ambient temperature Tq</b>	25 °C
<b>Remarks</b>	* At extreme ambient temperatures the luminaire might automatically dim down to protect components
<b>Ambient temperature range</b>	-40 to +50 °C

### Initial Performance (IEC Compliant)

<b>Luminous flux tolerance</b>	+/-7%
<b>Initial chromaticity</b>	(0.43, 0.40) SDCM <5
<b>Power consumption tolerance</b>	+/-10%

<b>Init. Color Rendering Index Tolerance</b>	+/-2
<b>Standard Deviation of Colour Matching (McAdam ellipse)</b>	SDCM≤5

### Over Time Performance (IEC Compliant)

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

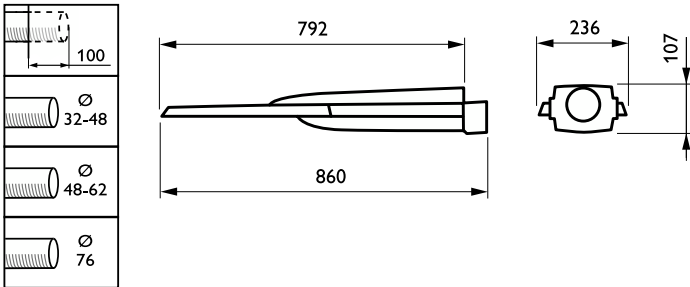
### Sustainability Data

<b>Sustainability rating</b>	Signify Circle
<b>Repair class</b>	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.
<b>Embedded carbon (A1-A3)</b>	162 kg CO <sub>2</sub> e
<b>Product non-virgin material ratio</b>	7.03 %
<b>Recyclable content ratio of the finished product</b>	51.4 %
<b>GWP total B6 (kg CO<sub>2</sub>eq) Declared Unit</b>	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)
<b>GWP total B6 (kg CO<sub>2</sub>eq) Functional Unit</b>	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)
<b>Non-virgin material ratio of the packaging</b>	Cardboard > 80% recycled Plastic >35% recycled
<b>Packaging Recyclable content ratio</b>	Cardboard recycling rate > 80% Plastic recycling rate > 40%
<b>Packaging Material</b>	Cardboard Plastic

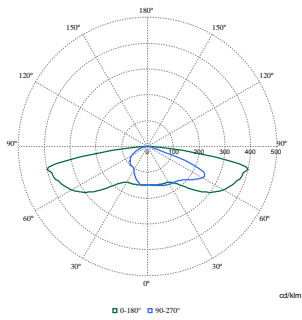
### Product Data

<b>Order product name</b>	BGP761 LED79-/830 II DM70 DGR DDF27 D18
<b>Full product name</b>	BGP761 LED79-/830 II DM70 DGR DDF27 D18
<b>Full product code</b>	871869637700000
<b>Order code</b>	910925866239
<b>Material Nr. (12NC)</b>	910925866239
<b>Numerator - Quantity Per Pack</b>	1
<b>EAN/UPC - Product/Case</b>	8718696377000
<b>Numerator - Packs per outer box</b>	1
<b>EAN/UPC - Case</b>	8718696377000
<b>Product family code</b>	BGP761 [DigiStreet Mini]

Dimensional drawing



Photometric data



Polar Normal (separate) - BGP761I - 910925866239

