



# DigiStreet

## BGP760 LED24-/830 II DM70 DGR DDF27 D18

DigiStreet Micro - LED Module 2400 lm - 830 warm white - Safety class II (II) - Distribution medium 70 - Dark gray - Spigot for diameter 62 mm

Developed with the aim of becoming your long-term partner, the system-ready architecture of DigiStreet enables you to enjoy the benefits of connected lighting systems today and also gets the city ready for the innovations to come! Its two sockets enable you to connect directly to the Philips CityTouch system and it is also prepared to connect you to the future innovations of IoT. Next to this, each individual luminaire is uniquely identifiable, thanks to the Philips Service tag application. With a simple scan of a QR code, placed on the inside of the mast door, you gain instant access to the luminaire configuration, making maintenance and programming operations faster and easier, no matter what stage of the luminaire's lifetime. DigiStreet is also equipped with dedicated light recipes that: 1) maintain optimal ecosystems for bats or 2) preserve a dark night sky.

### Product data

General Information		Luminaire light beam spread	
Number of light sources	1 [ 1 pc]	Control interface	Internal (no external connection)
Lamp family code	LED24 [ LED Module 2400 lm]	Connection	SI [ Screw connection block]
Light source colour	830 warm white	Cable	-
Light source replaceable	Yes	Protection class IEC	Safety class II (II)
Number of gear units	1 unit	Glow-wire test	650/5 [ Temperature 650 °C, duration 5 s]
Gear	EB [ Electronic]	Flammability mark	NO [ -]
Driver/power unit/transformer	PSDD [ Power supply unit with DynaDimmer]	CE mark	CE mark
Driver included	Yes	ENEC mark	ENEC mark
Optical element	No [ -]	UL mark	-
Optical cover/lens type	FG [ Flat glass]	Warranty period	5 years

<b>Optic type outdoor</b>	Distribution medium 70
<b>Remarks</b>	*- According to the Lighting Europe guidance paper 'Evaluating performance of LED based luminaires – January 2018': statistically there is no relevant difference in lumen maintenance between the B50 and, for example, the 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
<b>Constant light output</b>	No
<b>Spare parts available</b>	Yes
<b>Number of products on MCB (16 A type B)</b>	26
<b>Photobiological risk</b>	Photobiological risk group 0 @ 200mm to EN62471
<b>EU RoHS compliant</b>	Yes
<b>WEEE mark</b>	WEEE mark
<b>Light source engine type</b>	LED
<b>Serviceability class</b>	Class A, the luminaire is equipped with serviceable parts (when applicable): LED board, driver, control units, surge-protection device, optics, front cover and mechanical parts
<b>Product family code</b>	BGP760 [ DigiStreet Micro]

## Light Technical

<b>Upward light output ratio</b>	0
<b>Standard tilt angle post-top</b>	0°
<b>Standard tilt angle side entry</b>	0°

## Operating and Electrical

<b>Input Voltage</b>	220-240 V
<b>Input frequency</b>	50 to 60 Hz
<b>Inrush current</b>	21 A
<b>Inrush time</b>	0.225 ms
<b>Driver current</b>	326 mA
<b>Power factor (max.)</b>	-
<b>Power factor (min.)</b>	0.95
<b>Power factor (nom.)</b>	0.96

## Controls and Dimming

<b>Dimmable</b>	No
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## Mechanical and Housing

<b>Housing material</b>	Aluminum die-cast
<b>Reflector material</b>	Polycarbonate
<b>Optic material</b>	Acrylate
<b>Optical cover/lens material</b>	Glass
<b>Fixation material</b>	Stainless steel

<b>Mounting device</b>	62 [ Spigot for diameter 62 mm]
<b>Optical cover/lens shape</b>	Flat
<b>Optical cover/lens finish</b>	Clear
<b>Overall length</b>	695 mm
<b>Overall width</b>	236 mm
<b>Overall height</b>	103 mm
<b>Effective projected area</b>	0.0578 m²
<b>Colour</b>	Dark gray
<b>Dimensions (height x width x depth)</b>	103 x 236 x 695 mm (4.1 x 9.3 x 27.4 in)

## Approval and Application

<b>Ingress protection code</b>	IP66 [ Dust penetration-protected, jet-proof]
<b>Mech. impact protection code</b>	IK09 [ 10 J]
<b>Surge protection (common/differential)</b>	Luminaire surge protection level up to 6 kV differential mode and 8 kV common mode

## Initial Performance (IEC Compliant)

<b>Initial luminous flux</b>	2136 lm
<b>Luminous flux tolerance</b>	+/-7%
<b>Initial LED luminaire efficacy</b>	111 lm/W
<b>Init. Corr. Colour Temperature</b>	3000 K
<b>Init. Colour rendering index</b>	80
<b>Initial chromaticity</b>	(0.43. 0.40) SDCM <5
<b>Initial input power</b>	19.2 W
<b>Power consumption tolerance</b>	+/-11%

## Over Time Performance (IEC Compliant)

<b>Control gear failure rate at median useful life 100,000 h</b>	10 %
<b>Lumen maintenance at median useful life* 100,000 h</b>	L98

## Application Conditions

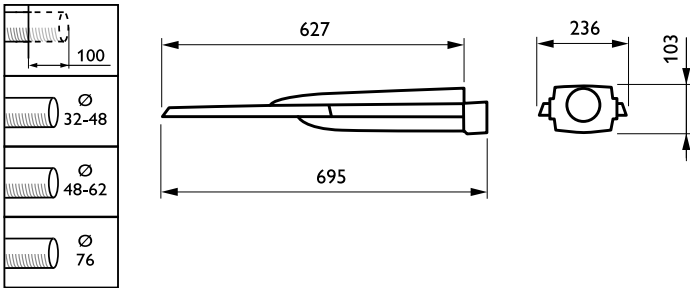
<b>Ambient temperature range</b>	-40 to +50 °C
<b>Performance ambient temperature Tq</b>	25 °C
<b>Maximum dimming level</b>	50%

## Product Data

<b>Full product code</b>	871869637686700
<b>Order product name</b>	BGP760 LED24-/830 II DM70 DGR DDF27 D18
<b>EAN/UPC – product</b>	8718696376867
<b>Order code</b>	37686700
<b>Numerator – quantity per pack</b>	1
<b>Numerator – packs per outer box</b>	1
<b>SAP material</b>	910925863561
<b>SAP net weight (piece)</b>	5.727 kg

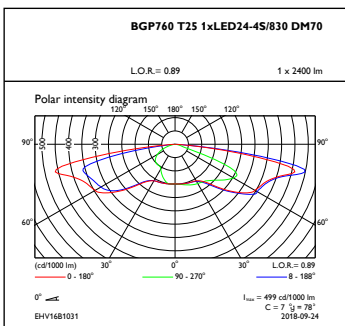


Dimensional drawing



DigiStreet BGP760-BTP764

Photometric data



OFPC1\_BGP760T251xLED24-4S830DM70

