

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

Optic type outdoor	Distribution medium 70
Remarks	*- 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
Constant light output	No
Spare parts available	Yes
Number of products on MCB (16 A type B)	26
Photobiological risk	Photobiological risk group 0 @ 200mm to EN62471
EU RoHS compliant	Yes
WEEE mark	WEEE mark
Light source engine type	LED
Serviceability class	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
Product family code	BGP760 [DigiStreet Micro]

Light Technical

Upward light output ratio	0
Standard tilt angle post-top	0°
Standard tilt angle side entry	0°

Operating and Electrical

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

Controls and Dimming

Dimmable	No
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Mechanical and Housing

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

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

Approval and Application

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

Initial Performance (IEC Compliant)

Initial luminous flux (system flux)	2136 lm
Luminous flux tolerance	+/-7%
Initial LED luminaire efficacy	112 lm/W
Init. Corr. Colour Temperature	3000 K
Init. Colour rendering index	80
Initial chromaticity	(0.43. 0.40) SDCM <5
Initial input power	19 W
Power consumption tolerance	+/-11%
Init. colour rendering index tolerance	+/-2

Over Time Performance (IEC Compliant)

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

Application Conditions

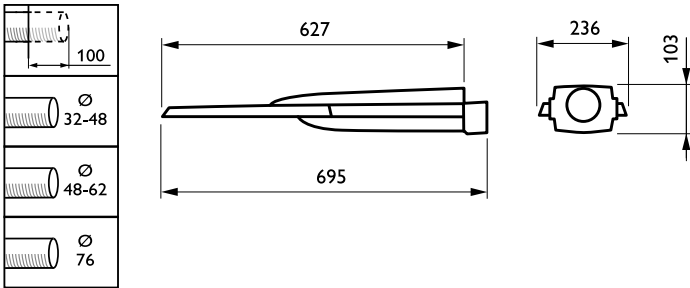
Ambient temperature range	-40 to +50 °C
Performance ambient temperature Tq	25 °C
Maximum dimming level	50%

Product Data

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

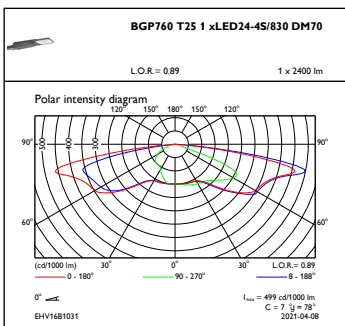


Dimensional drawing



DigiStreet BGP760-BTP764

Photometric data



OFPC1_BGP760T251xLED24-4S830DM70

