



DigiStreet

BGP760 LED27-/740 I DS50 DGR 32-48

DigiStreet Micro - LED module 2700 lm - 740 neutral white - Safety class I (I) - Distribution symmetrical 50 - Dark gray - Spigot for diameter 32-48 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	-
Lamp family code	LED27 [LED module 2700 lm]	Connection	SI [Screw connection block]
Light source colour	740 neutral white	Cable	-
Light source replaceable	Yes	Protection class IEC	Safety class I (I)
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	PSU [Power supply unit]	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 symmetrical 50
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	287 mA
Power factor (max.)	-
Power factor (min.)	0.95
Power factor (nom.)	0.95

Controls and Dimming

Dimmable	Yes
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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	32/48 [Spigot for diameter 32-48 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	2403 lm
Luminous flux tolerance	+/-7%
Initial LED luminaire efficacy	140 lm/W
Init. Corr. Colour Temperature	4000 K
Init. Colour rendering index	70
Initial chromaticity	(0.38, 0.38) SDCM <5
Initial input power	17.2 W
Power consumption tolerance	+/-11%

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	Not applicable

Product Data

Full product code	871869637687400
Order product name	BGP760 LED27-/740 I DS50 DGR 32-48
EAN/UPC – product	8718696376874
Order code	37687400
Numerator – quantity per pack	1
Numerator – packs per outer box	1
SAP material	910925863562
SAP net weight (piece)	5.825 kg

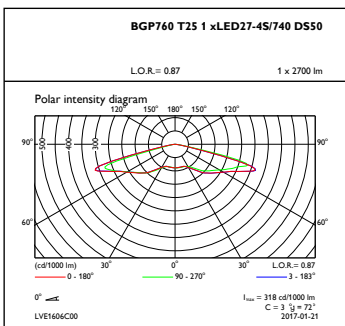


Dimensional drawing



DigiStreet BGP760-BTP764

Photometric data



OFPC1_BGP760T251xLED27-4S740DS50

