



DigiStreet

BGP761 LED84-/740 I DS50 DGR 32-48

DigiStreet Mini, LED module 8400 lm, 740 neutral white, Safety class I, Distribution symmetrical 50, Dark gray, Spigot for diameter 32 to 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		
Lamp family code	LED84 [LED module 8400 lm]	B10. Therefore, the median useful life (B50) value also represents the B10 value.
Light source replaceable	No	Light source engine type
Number of gear units	1 unit	LED
Gear	EB [Electronic]	Product family code
Driver included	Yes	BGP761 [DigiStreet Mini]
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	Lighting Technology
		LED
		Value ladder
		Specification
		CE mark
		Yes
		Warranty period
		5 years
		Flammability mark
		-
		ENEC mark
		ENEC mark
		Glow-wire test
		Temperature 650 °C, duration 5 s

EU RoHS compliant	Yes
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Light Technical

Upward light output ratio	0
Luminous Flux	7,392 lm
Standard tilt angle posttop	0°
Standard tilt angle side entry	0°
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	139 lm/W
Color rendering index (CRI)	70
Number of light sources	1
Light source color	740 neutral white
Optical cover type	Flat glass
Luminaire light beam spread	32° x 29°
Optic type outdoor	Distribution symmetrical 50

Operating and Electrical

Input Voltage	220-240 V
Line Frequency	50 to 60 Hz
Initial CLO power consumption	- W
Average CLO power consumption	- W
End CLO power consumption	- W
Inrush current	46 A
Inrush time	0.25 ms
Power Consumption	53 W
Power Factor (Fraction)	0.98
Connection	Screw connection block 3-pole
Cable	-
Number of products on MCB of 16 A type B	11

Temperature

Ambient temperature range	-40 to +50 °C
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Controls and Dimming

Dimmable	No
Driver/power unit/transformer	Power supply unit (On/Off)
Control interface	-
Constant light output	No

Mechanical and Housing

Housing Material	Aluminum
Reflector material	Polycarbonate
Optic material	Acrylate
Optical cover material	Glass
Fixation material	Steel
Housing Color	Dark gray

Mounting device	Spigot for diameter 32 to 48 mm
Optical cover shape	Flat
Optical cover finish	Clear
Overall length	860 mm
Overall width	236 mm
Overall height	107 mm
Effective projected area	0.0666 m²
Dimensions (Height x Width x Depth)	107 x 236 x 860 mm

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 until 6 kV differential mode and 8 kV common mode
Protection class IEC	Safety class I
Photobiological risk	Photobiological risk group 0 @200mm to EN62778

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

Over Time Performance (IEC Compliant)

Control gear failure rate at median useful life 100000 h	10 %
Lumen maintenance at median useful life* 100000 h	L93

Application Conditions

Performance ambient temperature Tq	25 °C
Maximum dim level	Not applicable

Product Data

Order product name	BGP761 LED84-/740 I DS50 DGR 32-48
Full product name	BGP761 LED84-/740 I DS50 DGR 32-48
Full product code	871869637701700
Order code	37701700
Material Nr. (12NC)	910925863576
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718696377017
Numerator - Packs per outer box	1
EAN/UPC - Case	8718696377017

Dimensional drawing

