DigiStreet

BGP760 LED49-/740 II DX70 DGR 62

DigiStreet Micro, LED module 4900 lm, 740 neutral white, Safety class II, Distribution extra wide 70, Dark gray, Spigot for diameter 62 mm

Developed with the aim to become 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 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 an optimal ecosystems for bats or 2) preserve a dark night sky.

Product data

General Information

Lamp family code	LED49 [LED module 4900 lm]
Light source replaceable	Yes
Number of gear units	1 unit
Gear	EB [Electronic]
Driver included	Yes
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 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
Light source engine type	LED
Product family code	BGP760 [DigiStreet Micro]
Lighting Technology	LED
Value ladder	Specification
CE mark	Yes
Warranty period	5 years

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Flammability mark	–
ENEC mark	ENEC mark
Glow-wire test	Temperature 650 °C, duration 5 s
EU RoHS compliant	Yes

Light Technical

Upward light output ratio	0
Luminous Flux	4,263 lm
Standard tilt angle posttop	0°
Standard tilt angle side entry	0°
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	143 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	106° x 44°
Optic type outdoor	Distribution extra wide 70

Operating and Electrical

Input Voltage	220–240 V
Line Frequency	50 to 60 Hz
Inrush current	21 A
Inrush time	0.225 ms
Power Consumption	29.5 W
Power Factor (Fraction)	0.98
Connection	Screw connector
Cable	–
Number of products on MCB of 16 A type B	30

Temperature

Ambient temperature range	–40 to +50 °C

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 die cast
Reflector material	Polycarbonate
Optic material	Acrylate
Optical cover material	Glass
Fixation material	Stainless steel
Housing Color	Dark gray

Mounting device	Spigot for diameter 62 mm
Optical cover shape	Flat
Optical cover finish	Clear
Overall length	695 mm
Overall width	236 mm
Overall height	103 mm
Effective projected area	0.0578 m²
Dimensions (Height x Width x Depth)	103 x 236 x 695 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
Sustainability rating	Lighting for circularity
Protection class IEC	Safety class II
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	L97

Application Conditions

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

Product Data

Order product name	BGP760 LED49-/740 II DX70 DGR 62
Full product name	BGP760 LED49-/740 II DX70 DGR 62
Full product code	871869637692800
Order code	910925863567
Material Nr. (12NC)	910925863567
Numerator – Quantity Per Pack	1
EAN/UPC – Product/Case	8718696376928
Numerator – Packs per outer box	1
EAN/UPC – Case	8718696376928

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Dimensional drawing

www.lighting.philips.com

2024, January 22 – data subject to change