



DigiStreet

BGP760 LED24-/830 II DM70 DGR DDF27 D18

DigiStreet Micro, LED Module 2400 lm, 830 warm white, Safety class 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	
Lamp family code	LED24 [LED Module 2400 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

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	2,136 lm
Standard tilt angle posttop	0°
Standard tilt angle side entry	0°
Correlated Color Temperature (Nom)	3000 K
Luminous Efficacy (rated) (Nom)	127 lm/W
Color rendering index (CRI)	80
Number of light sources	1
Light source color	830 warm white
Optical cover type	Flat glass
Luminaire light beam spread	-
Optic type outdoor	Distribution medium 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	17 W
Power Factor (Fraction)	0.94
Connection	Screw connector
Cable	-
Number of products on MCB of 16 A type B	30

Temperature

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

Dimmable	Yes
Driver/power unit/transformer	Power supply unit with DynaDimmer
Control interface	Internal (no external connection)
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	(0.43. 0.40) 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	L98

Application Conditions

Performance ambient temperature Tq	25 °C
Maximum dim level	50%

Product Data

Order product name	BGP760 LED24-/830 II DM70 DGR DDF27 D18
Full product name	BGP760 LED24-/830 II DM70 DGR DDF27 D18
Full product code	871869637686700
Order code	37686700
Material Nr. (12NC)	910925863561
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718696376867
Numerator - Packs per outer box	1
EAN/UPC - Case	8718696376867

Dimensional drawing

