DigiStreet

BGP762 LED210-/740 II DX70 DGR 76

DigiStreet Medium, LED module 21000 lm, 740 neutral white, Safety class II, Distribution extra wide 70, Dark gray, Luminaire surge protection level until 6 kV differential mode and 8 kV common mode, Spigot for diameter 76 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	LED210 [LED module 21000 lm]
Light source replaceable	Yes
Number of gear units	1 unit
Driver included	Yes
Remarks	* At extreme ambient temperatures the luminaire might automatically dim down to protect components
Light source engine type	LED
Product family code	BGP762 [DigiStreet Medium]

Lighting Technology	LED
Value ladder	Specification
CE mark	Yes
Warranty period	5 years
Flammability mark	–
ENEC mark	ENEC mark
EU RoHS compliant	Yes

Light Technical

Upward light output ratio	0

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Luminous Flux	18,060 lm		Overall height	107 mm
Standard tilt angle posttop	0°		Effective projected area	0.068 m²
Standard tilt angle side entry	0°		Dimensions (Height x Width x Depth)	107 x 361 x 917 mm
Correlated Color Temperature (Nom)	4000 K			
Luminous Efficacy (rated) (Nom)	151 lm/W		**Approval and Application**	
Color rendering index (CRI)	70		Ingress protection code	IP66 [Dust penetration-protected, jet-proof]
Light source color	740 neutral white			
Optical cover type	Flat glass		Mech. impact protection code	IK09 [10 J]
Luminaire light beam spread	106° x 86°		Surge Protection (Common/Differential)	Luminaire surge protection level until 6 kV differential mode and 8 kV common mode
Optic type outdoor	Distribution extra wide 70			
			Sustainability rating	Lighting for circularity
Operating and Electrical			Protection class IEC	Safety class II
Input Voltage	220-240 V		Photobiological risk	Photobiological risk group 0 @200mm to EN62778
Line Frequency	50 to 60 Hz			
Inrush current	53 A			
Inrush time	0.3 ms		**Initial Performance (IEC Compliant)**	
Power Consumption	120 W		Luminous flux tolerance	+/-7%
Power Factor (Fraction)	0.99		Initial chromaticity	(0.38. 0.38) SDCM <5
Connection	Screw connector		Power consumption tolerance	+/-10%
Cable	–		Init. Color Rendering Index Tolerance	+/-2
Number of products on MCB of 16 A type B	8			
			Over Time Performance (IEC Compliant)	
Temperature			Control gear failure rate at median useful life 100000 h	10 %
Ambient temperature range	–40 to +50 °C			
			Lumen maintenance at median useful life* 100000 h	L96
Controls and Dimming				
Dimmable	No			
Driver/power unit/transformer	Power supply unit (On/Off)		**Application Conditions**	
Control interface	–		Performance ambient temperature Tq	25 °C
Constant light output	No		Maximum dim level	Not applicable
Mechanical and Housing			**Product Data**	
Housing Material	Aluminum die cast		Order product name	BGP762 LED210-/740 II DX70 DGR 76
Reflector material	Polycarbonate		Full product name	BGP762 LED210-/740 II DX70 DGR 76
Optic material	Acrylate		Full product code	871869637837300
Optical cover material	Glass		Order code	37837300
Fixation material	Stainless steel		Material Nr. (12NC)	910925866246
Housing Color	Dark gray		Numerator – Quantity Per Pack	1
Mounting device	Spigot for diameter 76 mm		EAN/UPC – Product/Case	8718696378373
Optical cover shape	Flat		Numerator – Packs per outer box	1
Optical cover finish	Clear		EAN/UPC – Case	8718696378373
Overall length	917 mm			
Overall width	361 mm			

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Dimensional drawing

www.lighting.philips.com

2023, April 19 – data subject to change