PHILIPS

Lighting



DigiStreet

BGP762 LED200-/740 I DW50 DGR 62

DigiStreet Medium, LED module 20000 lm, 740 neutral white, Safety class I, Distribution wide 50, Dark grey, Luminaire surge protection level up to 6 kV differential mode and 8 kV common mode, Spigot for diameter 60 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	LED200 [LED module 20000 lm]
Light source replaceable	No
Number of gear units	Unit
Gear	EB [Electronic]
Driver included	Yes
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.
Light source engine type	LED
Product family code	BGP762 [DigiStreet Medium]
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

Upwards light output ratio	0
Luminous Flux	17,200 lm
Standard tilt angle post-top	0°
Standard tilt angle side entry	0°
Correlated Colour Temperature	4000 K
Luminous efficacy (rated) (nom.)	143 lm/W
Colour rendering index (CRI)	70
Light source colour	740 neutral white
Optical cover type	Flat glass
Luminaire light beam spread	42° x 20°
Optic type outdoor	Distribution wide 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	53 A
Inrush time	0.3 ms
Power Consumption	120 W
Power Factor (Fraction)	0.99
Connection	Screw connection block 3-pole
Cable	-
Number of products on MCB of 16 A type B	8

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	Aluminium
Reflector material	Polycarbonate
Optic material	Acrylate
Optical cover/lens material	Glass
Fixation material	Steel
Housing Colour	Dark grey
Mounting device	Spigot for diameter 60 mm
Optical cover/lens shape	Flat
Optical cover/lens finish	Clear
Overall length	860 mm
Overall width	361 mm
Overall height	107 mm
Effective projected area	0.068 m²
Dimensions (height x width x depth)	107 x 361 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 up to 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 100,000 h	10 %
Lumen maintenance at median useful life* 100,000 h	L91

Application Conditions

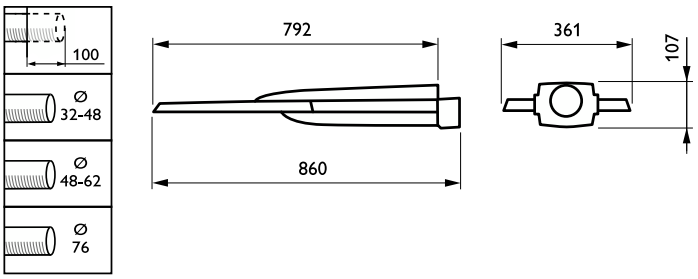
Performance ambient temperature Tq	25 °C
Maximum dim level	Not applicable

Product Data

Order product name	BGP762 LED200-/740 I DW50 DGR 62
Full product name	BGP762 LED200-/740 I DW50 DGR 62
Full EOC	871869637836600
Order code	37836600
Material no. (12 NC)	910925863713
SAP numerator – quantity per pack	1
EAN/UPC — Product/Case	8718696378366
Numerator – packs per outer box	1
EAN/UPC - Case	8718696378366

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Dimensional drawing



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