



Luma

BGP623 80x/NW PSU II OFR6 AL GR SRG10 62

LUMA 1, 80, LED High Brightness, Neutral white, Power supply unit (On/Off), Safety class II, Optiflux version R6, Flat glass, Grey, Luminaire surge protection level until 10 kV differential mode and 10 kV common mode, Spigot for diameter 62 mm

Luma is a high-performance road-lighting luminaire with a clear design identity, offering a perfectly cooled, fit-and-forget solution for all streets and roads. The lumen package, lifetime and energy profile can be tuned to create the desired solution in terms of energy and cost savings. Luma can be programmed to keep the flux of the LEDs at a predefined constant level over the lifetime of the luminaire – by increasing the operating current over time to compensate for the LED lumen depreciation. Luma uses the high-performance LEDGINE-O engine with latest LED performance and a wide range of optics to latest standards. Moreover Luma's trully flat design prevents upward light to optimize the light distribution for varying road geometries and/or glare restrictions, the tilt angle can easily be adjusted on installation. Luma is also equipped with a dedicate light recipes that preserves a dark night sky.

Product data

General Information	
Lamp family code	LED-HB [LED High Brightness]
Light source replaceable	Yes
Number of gear units	1 unit
Driver included	Yes
Photocell	-
Remarks	* At extreme ambient temperatures the luminaire might automatically dim down to protect components

Light source engine type	LED
Product family code	BGP623 [LUMA 1]
Lighting Technology	LED
Embedded control	-
CE mark	Yes
Warranty period	5 years
Flammability mark	-
ENEC mark	ENEC mark

EU RoHS compliant	Yes
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Light Technical

Upward light output ratio	0
Luminous Flux	11,450 lm
Standard tilt angle posttop	0°
Standard tilt angle side entry	0°
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	149 lm/W
Color rendering index (CRI)	70
Number of light sources	80
Light source color	Neutral white
Optical cover type	Flat glass
Luminaire light beam spread	27° - 7° x 146°
Optic type outdoor	Optiflux version R6

Operating and Electrical

Input Voltage	220 to 240 V
Line Frequency	50 to 60 Hz
Inrush current	53 A
Inrush time	0.3 ms
Power Consumption	77 W
Power Factor (Fraction)	0.96
Connection	Plug-in connector 3-pole Wieland/Adels compatible
Cable	-
Number of products on MCB of 16 A type B	8

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)
Constant light output	No

Mechanical and Housing

Housing Material	Aluminum
Reflector material	-
Optic material	Polycarbonate
Optical cover material	Glass

Fixation material	Aluminum
Housing Color	Grey
Mounting device	Spigot for diameter 62 mm
Optical cover shape	Flat
Optical cover finish	Clear
Overall length	720 mm
Overall width	130 mm
Overall height	435 mm
Effective projected area	0.057 m²
Dimensions (Height x Width x Depth)	435 x 130 x 720 mm
Parts color	All parts colored

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 10 kV differential mode and 10 kV common mode
Protection class IEC	Safety class II

Initial Performance (IEC Compliant)

Luminous flux tolerance	+/-7%
Initial chromaticity	(0.377, 0.373) SDCM <5
Power consumption tolerance	+/-10%
Init. Color Rendering Index Tolerance	+/-2

Over Time Performance (IEC Compliant)

Driver failure rate at 5000 h	0.23 %
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Product Data

Order product name	BGP623 80x/NW PSU II OFR6 AL GR SRG10 62
Full product name	BGP623 80x/NW PSU II OFR6 AL GR SRG10 62
Full product code	871794319587900
Order code	912300023099
Material Nr. (12NC)	912300023099
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8717943195879
Numerator - Packs per outer box	1
EAN/UPC - Case	8717943195879

Dimensional drawing

