Luma

BGP627 200x/NW PSU II OFR6 AL GR SRG10 6

LUMA 3, 200, 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 engine type	LED
Light source replaceable	Yes	Product family code	BGP627 [LUMA 3]
Number of gear units	3 units	Lighting Technology	LED
Driver included	Yes	Embedded control	–
Photocell	–	CE mark	Yes
Remarks	* At extreme ambient temperatures the luminaire might automatically dim down to protect components	Warranty period	5 years
		Flammability mark	–
		ENEC mark	ENEC mark

Luma

EU RoHS compliant	Yes

Light Technical

Upward light output ratio	0
Luminous Flux	28,600 lm
Standard tilt angle posttop	0°
Standard tilt angle side entry	0°
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	129 lm/W
Color rendering index (CRI)	70
Number of light sources	200
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	221 W
Power Factor (Fraction)	0.95
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 ℃

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	1,076 mm
Overall width	130 mm
Overall height	435 mm
Effective projected area	0.077 m²
Dimensions (Height x Width x Depth)	435 x 130 x 1076 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 %

Product Data

Order product name	BGP627 200x/NW PSU II OFR6 AL GR SRG10 6
Full product name	BGP627 200x/NW PSU II OFR6 AL GR SRG10 6
Full product code	871794319488900
Order code	912300022999
Material Nr. (12NC)	912300022999
Numerator – Quantity Per Pack	1
EAN/UPC – Product/Case	8717943194889
Numerator – Packs per outer box	1
EAN/UPC – Case	8717943194889

Luma

Dimensional drawing

www.lighting.philips.com

2023, September 4 – data subject to change