PHILIPS Lighting



Luma Micro

BGP615 ECO49/NW PSU I OFR1 GR 62

LUMA MICRO, 20, LED EconomyLine 4900 lm, Power supply unit (On/Off), Optiflux version R1, 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. This eliminates over-lighting at the beginning, enabling additional extra energy savings. Luma uses the high-performance LEDGINE-O engine with latest LED performance and a wide range of optics to latest standards. Moreover, Luma's truly 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.

Product data

General Information	
Lamp family code	ECO49 [LED EconomyLine 4900 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	BGP615 [LUMA MICRO]
Lighting Technology	LED
Embedded control	-

CE mark	Yes
Warranty period	5 years
Flammability mark	-
ENEC mark	ENEC mark
Glow-wire test	Temperature 850 °C, duration 5 s
EU RoHS compliant	No
Light Technical	
Upward light output ratio	0
Luminous Flux	4,312 lm
Standard tilt angle posttop	0°

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Standard tilt angle side entry	O°
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	91.7 lm/W
Color rendering index (CRI)	70
Number of light sources	20
Light source color	Neutral white
Optical cover type	Flat glass
Luminaire light beam spread	154°
Optic type outdoor	Optiflux version R1

220 to 240 V

50 to 60 Hz

22 A

37 W

0.98

-40 to +50 °C

Polycarbonate

Glass

Grey

Aluminum

Screw connection block 3-pole

0.29 ms

Mounting device	Spigot for diameter 62 mm
Optical cover shape	Flat
Optical cover finish	Clear
Overall length	622 mm
Overall width	290 mm
Overall height	130 mm
Effective projected area	0.049 m²
Dimensions (Height x Width x Depth)	130 x 290 x 622 mm
Approval and Application	
Ingress protection code	IP66 [Dust penetration-protected, jet-proo
Mech. impact protection code	IK09 [10 J]
Surge Protection (Common/Differential)	Philips standard surge protection level
Protection class IEC	Safety class I
Initial Performance (IEC Compliant)	
Luminous flux tolerance	+/-7%
Initial chromaticity	(0.381, 0.379) SDCM <5
	(0.501, 0.575) 50 011 -5
Power consumption tolerance	+/-10%
-	
Power consumption tolerance	+/-10% +/-2
Power consumption tolerance Init. Color Rendering Index Tolerance	+/-10% +/-2
Power consumption tolerance Init. Color Rendering Index Tolerance Over Time Performance (IEC Complia	+/-10% +/-2
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8718696340172

Number of products on MCB of 16 A type B 20

Input Voltage

Line Frequency

Inrush current

Power Consumption

Power Factor (Fraction)

Inrush time

Connection

Cable

Operating and Electrical

Temperature

Optic material

Fixation material

100

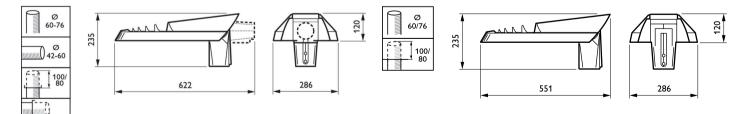
Housing Color

Optical cover material

Ambient temperature range

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	Polycarbonate

Dimensional drawing



Numerator - Packs per outer box

EAN/UPC - Case

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