Luma Micro

BGP615 GRN12/WW PSU I OFR1 GR 62

LUMA MICRO, 12, LED GreenLine 1200 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	GRN12 [LED GreenLine 1200 lm]		**CE mark**	Yes
Light source replaceable	Yes		**Warranty period**	5 years
Number of gear units	1 unit		**Flammability mark**	–
Driver included	Yes		**ENEC mark**	ENEC mark
Remarks	* At extreme ambient temperatures the luminaire might automatically dim down to protect components		**Glow-wire test**	Temperature 850 °C, duration 5 s
			EU RoHS compliant	No
Light source engine type	LED			
Product family code	BGP615 [LUMA MICRO]		**Light Technical**	
Lighting Technology	LED		**Upward light output ratio**	0
Embedded control	–		**Luminous Flux**	1,056 lm
			Standard tilt angle posttop	0°

Luma Micro

Standard tilt angle side entry	0°
Correlated Color Temperature (Nom)	3000 K
Luminous Efficacy (rated) (Nom)	81.2 lm/W
Color rendering index (CRI)	80
Number of light sources	12
Light source color	Warm white
Optical cover type	Flat glass
Luminaire light beam spread	154°
Optic type outdoor	Optiflux version R1

Operating and Electrical

Input Voltage	220 to 240 V
Line Frequency	50 to 60 Hz
Inrush current	22 A
Inrush time	0.29 ms
Power Consumption	11 W
Power Factor (Fraction)	0.9
Connection	Screw connection block 3-pole
Cable	–
Number of products on MCB of 16 A type B	20

Temperature

Ambient temperature range	–40 to +50 °C

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
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	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-proof]
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)

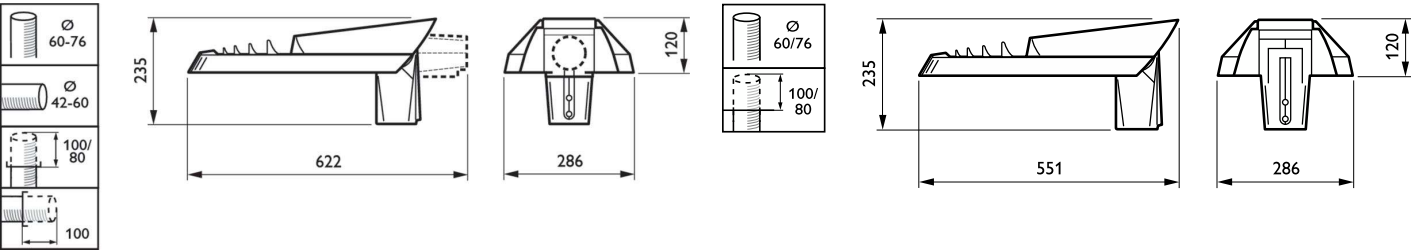|	
Luminous flux tolerance	+/-7%
Initial chromaticity	(0.381, 0.379) SDCM <5
Power consumption tolerance	+/-10%
Init. Color Rendering Index Tolerance	+/-2

Over Time Performance (IEC Compliant)

Driver failure rate at 5000 h	0.5 %

Product Data

Order product name	BGP615 GRN12/WW PSU I OFR1 GR 62
Full product name	BGP615 GRN12/WW PSU I OFR1 GR 62
Full product code	871869634031800
Order code	910925439748
Material Nr. (12NC)	910925439748
Numerator – Quantity Per Pack	1
EAN/UPC – Product/Case	8718696340318
Numerator – Packs per outer box	1
EAN/UPC – Case	8718696340318

Dimensional drawing

Luma Micro

Dimensional drawing