# **PHILIPS** Lighting



## Luma Micro

### BGP615 GRN18/NW PSU II OFR1 GR 62

LUMA MICRO, 20, LED GreenLine 1800 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	GRN18 [LED GreenLine 1800 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	1,584 lm
Standard tilt angle posttop	0°

#### Luma Micro

Standard tilt angle side entry	O°
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	99 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

-40 to +50 °C

Screw connection block 3-pole

22 A

14 W

0.93

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-proof
Mech. impact protection code	IK09 [10 J]
Surge Protection (Common/Differential)	Philips standard surge protection level
Protection class IEC	Safety class II
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 Complia	
Over Time Performance (IEC Complia	ant)
Over Time Performance (IEC Complia Driver failure rate at 5000 h	ant)
Over Time Performance (IEC Complia Driver failure rate at 5000 h Product Data	ant) 0.5 %
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Temperature Ambient temperature range

**Operating and Electrical** 

Input Voltage

Line Frequency

Inrush current

Power Consumption

Power Factor (Fraction)

Number of products on MCB of 16 A type B 20

Inrush time

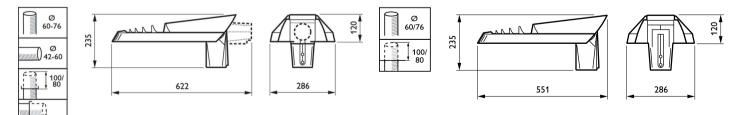
Connection

Cable

Controls and Dimming	
Dimmable	No
Driver/power unit/transformer	Power supply unit (On/Off)
Constant light output	No
Mechanical and Housing	
Housing Material	Aluminum

Mechanical and Housing	
Housing Material	Aluminum
Reflector material	Polycarbonate
Optic material	Polycarbonate
Optical cover material	Glass
Fixation material	Aluminum
Housing Color	Grey

#### **Dimensional drawing**



Numerator - Packs per outer box

EAN/UPC - Case

100

Luma Micro



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