



Luma Micro

BGP615 ECO21/WW PSU I OFR1 GR 62

LUMA MICRO, 12, LED EconomyLine 2100 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	ECO21 [LED EconomyLine 2100 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	1,848 lm
Standard tilt angle posttop	0°

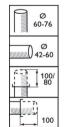
Datasheet, 2023, September 4 data subject to change

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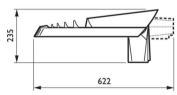
Standard tilt angle side entry	O°
Correlated Color Temperature (Nom)	3000 K
Luminous Efficacy (rated) (Nom)	73.9 lm/W
Color rendering index (CRI)	80
Number of light sources	12
Light source color	Warm white
Optical cover type	Flat glass
Luminaire light beam spread	154°
Optic type outdoor	Optiflux version 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	19 W
Power Factor (Fraction)	0.95
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

Mounting device	Spigot for diameter 62 mm
	Flat
Optical cover shape Optical cover finish	Clear
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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 Compli	iant)
Driver failure rate at 5000 h	0.5 %
Product Data	
Order product name	BGP615 ECO21/WW PSU I OFR1 GR 62
Full product name	BGP615 ECO21/WW PSU I OFR1 GR 62
Full product code	871869634035600
Order code	910925439752
Material Nr. (12NC)	910925439752
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718696340356
Numerator - Packs per outer box	1
EAN/UPC - Case	8718696340356
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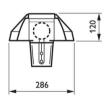
Dimensional drawing



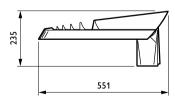
Housing Color

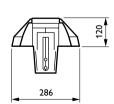


Grey









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