



Luma Micro

BGP615 LED10-4S/740 PSU I DM10 GR 62

LUMA MICRO, LED Module 1000 lm, 740 neutral white, Power supply unit (On/Off), Safety class I, Distribution medium 10, Grey, 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 the latest LED performance and a wide range of optics to the latest standards. Moreover, Luma’s truly flat design prevents upward light. To optimise 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	LED10 [LED Module 1000 lm]
Light source replaceable	Yes
Number of gear units	Unit
Driver included	Yes
Remarks	*- According to the Lighting Europe guidance paper 'Evaluating performance of LED based luminaires – January 2018': statistically there is no relevant difference in lumen maintenance between the B50 and, for

	example, the B10. Therefore, the median useful life (B50) value also represents the B10 value. * 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

Upwards light output ratio	0
Luminous Flux	900 lm
Standard tilt angle post-top	0°
Standard tilt angle side entry	0°
Correlated Colour Temperature	4000 K
Luminous efficacy (rated) (nom.)	125 lm/W
Colour rendering index (CRI)	70
Light source colour	740 neutral white
Optical cover type	Flat glass
Luminaire light beam spread	157° - 33° x 55°
Optic type outdoor	Distribution medium 10

Operating and Electrical

Input Voltage	220 to 240 V
Line Frequency	50 to 60 Hz
Inrush current	15 A
Inrush time	0.295 ms
Power Consumption	7.2 W
Power Factor (Fraction)	0.93
Connection	Screw connection block 3-pole
Cable	-
Number of products on MCB of 16 A type B	29

Temperature

Ambient temperature range	-40 to +50 °C
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Controls and Dimming

Dimmable	No
Driver/power unit/transformer	Power supply unit (On/Off)
Control interface	-
Constant light output	No

Mechanical and Housing

Housing material	Aluminium
Reflector material	Polycarbonate
Optic material	Polycarbonate
Optical cover/lens material	Glass

Fixation material	Aluminium
Housing Colour	Grey
Mounting device	Spigot for diameter 62 mm
Optical cover/lens shape	Flat
Optical cover/lens 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)

Control gear failure rate at median useful life 100,000 h	10 %
Lumen maintenance at median useful life* 100,000 h	L96

Application Conditions

Performance ambient temperature Tq	25 °C
Maximum dim level	Not applicable

Product Data

Order product name	BGP615 LED10-4S/740 PSU I DM10 GR 62
Full product name	BGP615 LED10-4S/740 PSU I DM10 GR 62
Full EOC	871869637310100
Order code	37310100
Material no. (12 NC)	910925452183
SAP numerator – quantity per pack	1
EAN/UPC – Product/Case	8718696373101
Numerator – packs per outer box	1
EAN/UPC - Case	8718696373101

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Dimensional drawing

