



Luma Micro

BGP615 LED54/740 PSDD I DM11 GR DDF27 D1

LUMA MICRO, LED module 5400 lm, 740 neutral white, Power supply unit with DynaDimmer, Safety class I, Distribution medium 11, 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 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	LED54 [LED module 5400 lm]	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 replaceable	Yes		
Number of gear units	1 unit		
Driver included	Yes		
Remarks	* -Per Lighting Europe guidance paper “Evaluating performance of LED based luminaires - January 2018”: statistically there is no relevant difference in lumen maintenance between B50 and for example		
		Light source engine type	LED
		Product family code	BGP615 [LUMA MICRO]
		Lighting Technology	LED
		Flammability mark	-
		CE mark	Yes

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ENEC mark	ENEC mark
Warranty period	5 years
EU RoHS compliant	No

Light Technical

Upward light output ratio	0
Luminous Flux	4,914 lm
Standard tilt angle posttop	0°
Standard tilt angle side entry	0°
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	140 lm/W
Color rendering index (CRI)	70
Light source color	740 neutral white
Optical cover type	Flat glass
Luminaire light beam spread	160° - 42° x 54°
Optic type outdoor	Distribution medium 11

Operating and Electrical

Input Voltage	220 to 240 V
Line Frequency	50 to 60 Hz
Inrush current	21 A
Inrush time	0.225 ms
Power Consumption	35 W
Power Factor (Fraction)	0.98
Connection	Screw connection block 3-pole
Cable	-
Number of products on MCB of 16 A type B	26

Temperature

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

Dimmable	No
Driver/power unit/transformer	Power supply unit with DynaDimmer
Control interface	Internal (no external connection)
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	551 mm
Overall width	290 mm
Overall height	235 mm
Effective projected area	0.049 m²
Dimensions (Height x Width x Depth)	235 x 290 x 551 mm

Approval and Application

Ingress protection code	IP66 [Dust penetration-protected, jet-proof]
Mech. impact protection code	IK09 [10 J]
Surge Protection (Common/Differential)	Luminaire surge protection level until 10 kV differential mode and 10 kV common mode
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 100000 h	10 %
Lumen maintenance at median useful life* 100000 h	L95

Application Conditions

Performance ambient temperature Tq	25 °C
Maximum dim level	Programmable

Product Data

Order product name	BGP615 LED54/740 PSDD I DM11 GR DDF27 D1
Full product name	BGP615 LED54/740 PSDD I DM11 GR DDF27 D1
Full product code	871869637965300
Order code	910925863843
Material Nr. (12NC)	910925863843
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718696379653
Numerator - Packs per outer box	1
EAN/UPC - Case	8718696379653

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Dimensional drawing

