



# **Luma Micro**

## BGP615 LED24/740 PSDD I DM11 GR DDF27 D1

LUMA MICRO, LED Module 2400 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	LED24 [LED Module 2400 lm]
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

	B10. Therefore, the median useful life (B50)
	value also represents the B10 value. $^{\ast}$ 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
Flammability mark	-
CE mark	Yes

Datasheet, 2023, September 4 data subject to change

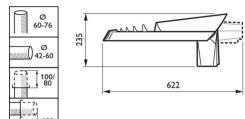
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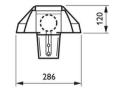
ENEC mark	ENEC mark
Warranty period	
EU RoHS compliant	5 years No
EO ROAS COMPUANT	NO
Light Technical	
Upward light output ratio	0
Luminous Flux	2,184 lm
Standard tilt angle posttop	0°
Standard tilt angle posttop	0°
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	135 lm/W
- , ,, ,	
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	
Operating and Electrical Input Voltage	220 to 240 V
	220 to 240 V
Line Frequency	50 to 60 Hz
Inrush current	15 A
Inrush time	0.295 ms
Power Consumption	16.2 W
Power Factor (Fraction)	0.98
Connection	Screw connection block 3-pole
Cable	
Number of products on MCB of 16 A	29
type B	
Temperature	
Ambient temperature range	40 to +50 °C
Ambient temperature range	-40 to +50 °C
	-40 to +50 °C
Ambient temperature range  Controls and Dimming  Dimmable	-40 to +50 °C
Controls and Dimming Dimmable	No
Controls and Dimming	
Controls and Dimming Dimmable Driver/power unit/transformer	No Power supply unit with DynaDimmer
Controls and Dimming Dimmable Driver/power unit/transformer Control interface	No Power supply unit with DynaDimmer Internal (no external connection)
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Controls and Dimming Dimmable Driver/power unit/transformer Control interface Constant light output	No Power supply unit with DynaDimmer Internal (no external connection)
Controls and Dimming Dimmable Driver/power unit/transformer Control interface Constant light output  Mechanical and Housing	No Power supply unit with DynaDimmer Internal (no external connection) No
Controls and Dimming Dimmable Driver/power unit/transformer Control interface Constant light output  Mechanical and Housing Housing Material	No Power supply unit with DynaDimmer Internal (no external connection) No Aluminum
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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	10 %
useful life 100000 h	
Lumen maintenance at median useful	L96
life* 100000 h	
Application Conditions	
Performance ambient temperature Tq	25 ℃
Maximum dim level	Programmable
Product Data	
Order product name	BGP615 LED24/740 PSDD I DM11 GR DDF27
	D1
Full product name	BGP615 LED24/740 PSDD I DM11 GR DDF27
	D1
Full product code	871869637964600
Order code	910925863842
Material Nr. (12NC)	910925863842
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718696379646
Numerator - Packs per outer box	1
EAN/UPC - Case	8718696379646

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#### Dimensional drawing







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