



# **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	components  LED	
Light source engine type Product family code	<del> </del>	
	LED	

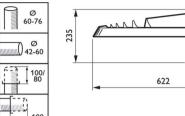
Datasheet, 2023, April 29 data subject to change

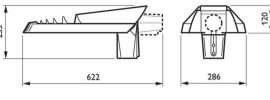
## **Luma Micro**

CE mark	Yes	Fixation material	Aluminium
Warranty period	5 years	Housing Colour	Grey
Flammability mark		Mounting device	Spigot for diameter 62 mm
ENEC mark	ENEC mark	Optical cover/lens shape	Flat
Glow-wire test	Temperature 850 °C, duration 5 s	Optical cover/lens finish	Clear
EU RoHS compliant	No	Overall length	622 mm
EU RONS COMPITANT	INO	Overall width	290 mm
Light Technical			130 mm
	0	Overall height  Effective projected area	0.049 m <sup>2</sup>
Upwards light output ratio  Luminous Flux	900 lm	Dimensions (height x width x depth)	
	0°	Dimensions (neight x width x depth)	130 x 290 x 622 mm
Standard tilt angle post-top		Approval and Application	
Standard tilt angle side entry	0°	Approval and Application	IDCC [Dust perstuation protected interpret
Correlated Colour Temperature	4000 K	Ingress protection code	IP66 [Dust penetration-protected, jet-proof]
Luminous efficacy (rated) (nom.)	125 lm/W	Mech. impact protection code	IK09 [10 J]
Colour rendering index (CRI)	70	Surge Protection (Common/Differential)	Philips standard surge-protection level
Light source colour	740 neutral white	Protection class IEC	Safety class I
Optical cover type	Flat glass		V
Luminaire light beam spread	157° - 33° x 55°	Initial Performance (IEC Compliant)	
Optic type outdoor	Distribution medium 10	Luminous flux tolerance	+/-7%
		Initial chromaticity	(0.381, 0.379) SDCM <5
Operating and Electrical		Power consumption tolerance	+/-10%
Input Voltage	220 to 240 V	Init. Color Rendering Index Tolerance	+/-2
Line Frequency	50 to 60 Hz	<u> </u>	
Inrush current	15 A	Over Time Performance (IEC Comp	liant)
Inrush time	0.295 ms	Control gear failure rate at median useful	l 10 %
Power Consumption	7.2 W	life 100,000 h	
Power Factor (Fraction)	0.93	Lumen maintenance at median useful	L96
Connection	Screw connection block 3-pole	life* 100,000 h	
Cable	-		
Number of products on MCB of 16 A type	29	Application Conditions	
В		Performance ambient temperature Tq	25 ℃
		Maximum dim level	Not applicable
Temperature			
Ambient temperature range	-40 to +50 °C	Product Data	
		Order product name	BGP615 LED10-4S/740 PSU I DM10 GR 62
Controls and Dimming		Full product name	BGP615 LED10-4S/740 PSU I DM10 GR 62
Dimmable	No	Full EOC	871869637310100
Driver/power unit/transformer	Power supply unit (On/Off)	Order code	37310100
Control interface	-	Material no. (12 NC)	910925452183
Constant light output	No	SAP numerator – quantity per pack	1
		EAN/UPC — Product/Case	8718696373101
Mechanical and Housing		Numerator – packs per outer box	1
Housing material	Aluminium	EAN/UPC - Case	8718696373101
Reflector material	Polycarbonate		
Optic material	Polycarbonate	_	
Optical cover/lens material	Glass	<del></del>	

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#### Dimensional drawing







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