



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]	
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. * 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	

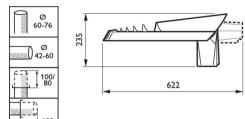
Datasheet, 2023, September 4 data subject to change

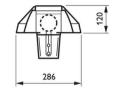
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ENEC mark	ENEC mark	Optical cover shape	Flat
Warranty period	5 years	Optical cover finish	Clear
EU RoHS compliant	No	Overall length	551 mm
		Overall width	290 mm
Light Technical		Overall height	235 mm
Upward light output ratio	0	Effective projected area	0.049 m²
Luminous Flux	4,914 lm	Dimensions (Height x Width x Depth)	235 x 290 x 551 mm
Standard tilt angle posttop	O°		
Standard tilt angle side entry	0°	Approval and Application	
Correlated Color Temperature (Nom)	4000 K	Ingress protection code	IP66 [Dust penetration-protected, jet-proof]
Luminous Efficacy (rated) (Nom)	140 lm/W	Mech. impact protection code	IK09 [10 J]
Color rendering index (CRI)	70	Surge Protection (Common/Differential)	Luminaire surge protection level until 10 kV
Light source color	740 neutral white		differential mode and 10 kV common mode
Optical cover type	Flat glass	Protection class IEC	Safety class I
Luminaire light beam spread	160° - 42° x 54°		
Optic type outdoor	Distribution medium 11	Initial Performance (IEC Compliant)	
		Luminous flux tolerance	+/-7%
Operating and Electrical		Initial chromaticity	(0.381, 0.379) SDCM <5
Input Voltage	220 to 240 V	Power consumption tolerance	+/-10%
Line Frequency	50 to 60 Hz	Init. Color Rendering Index Tolerance	+/-2
Inrush current	21 A		
Inrush time	0.225 ms	Over Time Performance (IEC Comp	liant)
Power Consumption	35 W	Control gear failure rate at median	10 %
Power Factor (Fraction)	0.98	useful life 100000 h	
Connection	Screw connection block 3-pole	Lumen maintenance at median useful	L95
Cable		life* 100000 h	
Number of products on MCB of 16 A typ	ne 26		
В		Application Conditions	
		Performance ambient temperature Tq	25 ℃
Temperature		Maximum dim level	Programmable
Ambient temperature range	-40 to +50 °C	- 	
		Product Data	
Controls and Dimming		Order product name	BGP615 LED54/740 PSDD I DM11 GR DDF27
Dimmable	No		D1
Driver/power unit/transformer	Power supply unit with DynaDimmer	Full product name	BGP615 LED54/740 PSDD I DM11 GR DDF27
Control interface	Internal (no external connection)		D1
Constant light output	No	Full product code	871869637965300
		Order code	910925863843
Mechanical and Housing		Material Nr. (12NC)	910925863843
Housing Material	Aluminum	Numerator - Quantity Per Pack	1
Reflector material	Polycarbonate	EAN/UPC - Product/Case	8718696379653
Optic material	Polycarbonate	Numerator - Packs per outer box	1
Optical cover material	Glass	EAN/UPC - Case	8718696379653
Fixation material	Aluminum		
Housing Color	Grey		
Mounting device	Spigot for diameter 62 mm		

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Dimensional drawing







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