



# Luma Micro

## BGP615 LED49-4S/740 PSD I DN10 GR D9 62

LUMA MICRO - LED module 4900 lm - 740 neutral white -  
Power supply unit with DALI interface - Safety class I -  
Distribution narrow 10 - Gray - Dimming via external  
communication DALI - 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	
Number of light sources	20 pcs
Lamp family code	LED49 [ LED module 4900 lm]
Light source color	740 neutral white
Light source replaceable	Yes
Number of gear units	1 unit
Driver/power unit/transformer	Power supply unit with DALI interface
Driver included	Yes
Optical cover/lens type	Flat glass

Luminaire light beam spread	154°
Embedded control	-
Control interface	DALI
Light regulation	Dimming via external communication DALI
Connection	Screw connection block 3-pole
Cable	-
Protection class IEC	Safety class I
Glow-wire test	Temperature 850 °C, duration 5 s
Flammability mark	-

## Luma Micro

CE mark	-
ENEC mark	ENEC mark
Warranty period	5 years
Optic type outdoor	Distribution narrow 10
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
Constant light output	No
Number of products on MCB of 16 A type B	20
WEEE mark	-
Light source engine type	LED
Serviceability class	Class A, luminaire is equipped with serviceable parts (when applicable): LED board, driver, control units, surge protection device, optics, front cover and mechanical parts
Product family code	BGP615 [ LUMA MICRO]

### Light Technical

Upward light output ratio	0
Standard tilt angle posttop	0°
Standard tilt angle side entry	0°

### Operating and Electrical

Input Voltage	220 to 240 V
Input Frequency	50 to 60 Hz
Initial CLO power consumption	- W
Average CLO power consumption	- W
End CLO power consumption	- W
Inrush current	22 A
Inrush time	0.29 ms
Driver current	563 mA
Power Factor (Min)	0.98

### Controls and Dimming

Dimmable	Yes
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### Mechanical and Housing

Housing Material	Aluminum
Reflector material	Polycarbonate
Optic material	Polycarbonate
Optical cover/lens material	Glass
Fixation material	Aluminum

Mounting device	Spigot for diameter 62 mm
Optical cover/lens shape	Flat
Optical cover/lens finish	Clear
Torque	20
Overall length	622 mm
Overall width	290 mm
Overall height	130 mm
Effective projected area	0.049 m²
Color	Gray
Dimensions (Height x Width x Depth)	130 x 290 x 622 mm (5.1 x 11.4 x 24.5 in)

### 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

### Initial Performance (IEC Compliant)

Initial luminous flux (system flux)	4459 lm
Luminous flux tolerance	+/-7%
Initial LED luminaire efficacy	142 lm/W
Init. Corr. Color Temperature	4000 K
Init. Color Rendering Index	70
Initial chromaticity	(0.381, 0.379) SDCM <5
Initial input power	31.5 W
Power consumption tolerance	+/-11%

### 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

Ambient temperature range	-40 to +50 °C
Performance ambient temperature Tq	25 °C
Maximum dim level	0% (digital)

### Product Data

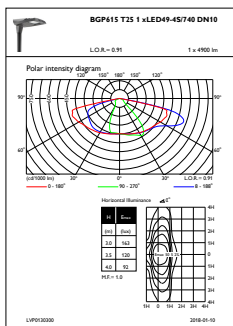
Full product code	871869637317000
Order product name	BGP615 LED49-4S/740 PSD I DN10 GR D9 62
EAN/UPC - Product	8718696373170
Order code	910925452190
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	1
Material Nr. (12NC)	910925452190
Net Weight (Piece)	6.750 kg



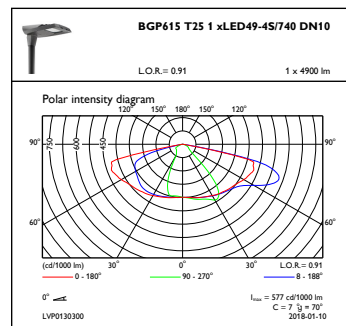
## Dimensional drawing

## Luma Micro (DACH) BGP615

### Photometric data



OFPL1\_BGP615T251xLED49-4S740DN10



OFPC1\_BGP615T251xLED49-4S740DN10

