



Luma

BGP621 LED109-4S/740 I DM11 GR DDF7 SRG

LUMA MINI, LED module 10900 lm, 740 neutral white, Power supply unit with DynaDimmer, Safety class I, Distribution medium 11, Acrylate micro-lens optic, Grey, DynaDimmer with fixed presets version 27, Luminaire surge protection level until 10 kV differential mode and 10 kV common mode, Side-entry 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. Luma uses the high-performance LEDGINE-O engine with latest LED performance and a wide range of optics to latest standards. Moreover Luma’s trully 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. Luma is also equipped with a dedicate light recipes that preserves a dark night sky.

Product data

General Information		Remarks
Lamp family code	LED109 [LED module 10900 lm]	*-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
Light source replaceable	Yes	
Number of gear units	1 unit	
Driver included	Yes	

	extreme ambient temperatures the luminaire might automatically dim down to protect components
Light source engine type	LED
Product family code	BGP621 [LUMA MINI]
Lighting Technology	LED
Flammability mark	-
CE mark	Yes
ENEC mark	ENEC mark
Warranty period	5 years
EU RoHS compliant	Yes
Embedded control	DynaDimmer with fixed presets version 27

Light Technical

Upward light output ratio	0
Luminous Flux	9,900 lm
Standard tilt angle posttop	-
Standard tilt angle side entry	0°
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	148 lm/W
Color rendering index (CRI)	≥70
Light source color	740 neutral white
Optical cover type	Acrylate micro-lens optic
Luminaire light beam spread	78° - 14° x 156°
Optic type outdoor	Distribution medium 11

Operating and Electrical

Input Voltage	220 to 240 V
Line Frequency	50 to 60 Hz
End CLO power consumption	73 W
Inrush current	80 A
Inrush time	0.15 ms
Power Consumption	68 W
Power Factor (Fraction)	0.95
Connection	Connection unit 3-pole
Cable	-
Number of products on MCB of 16 A type B	9

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	Dynamix DMX
Constant light output	No

Mechanical and Housing

Housing Material	Aluminum
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Reflector material	-
Optic material	Polycarbonate
Optical cover material	Polycarbonate
Fixation material	Aluminum
Housing Color	Grey
Mounting device	Side-entry for diameter 62 mm
Optical cover shape	Flat
Optical cover finish	Clear
Overall length	720 mm
Overall width	310 mm
Overall height	130 mm
Overall diameter	62 mm
Effective projected area	0.055 m²
Dimensions (Height x Width x Depth)	130 x 310 x 720 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	(0.382, 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	L94

Application Conditions

Performance ambient temperature Tq	25 °C
Maximum dim level	20% (depends on dimmer, ELV)

Product Data

Order product name	BGP621 LED109-4S/740 I DM11 GR DDF7 SRG
Full product name	BGP621 LED109-4S/740 I DM11 GR DDF7 SRG
Full product code	871869911590600
Order code	912300023803
Material Nr. (12NC)	912300023803
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718699115906
Numerator - Packs per outer box	1
EAN/UPC - Case	8718699115906

Dimensional drawing

