



Luma

BGP623 GRN137/NW PSD I OFR6 AL GR D9

LUMA 1, 80, LED GreenLine 13700 lm, Neutral white, Power supply unit with DALI interface, Safety class I, Optiflux version R6, Flat glass, Grey, Luminaire surge protection level until 6 kV differential mode and 6 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	* At extreme ambient temperatures the luminaire might automatically dim down to protect components
Lamp family code	GRN137 [LED GreenLine 13700 lm]	Light source engine type	LED
Light source replaceable	Yes	Product family code	BGP623 [LUMA 1]
Number of gear units	1 unit	Lighting Technology	LED
Driver included	Yes	Embedded control	-
Photocell	-	CE mark	Yes

Warranty period	5 years
Flammability mark	-
ENEC mark	ENEC mark
EU RoHS compliant	Yes

Light Technical

Upward light output ratio	0
Luminous Flux	13,700 lm
Standard tilt angle posttop	0°
Standard tilt angle side entry	0°
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	146 lm/W
Color rendering index (CRI)	70
Number of light sources	80
Light source color	Neutral white
Optical cover type	Flat glass
Luminaire light beam spread	27° - 7° x 146°
Optic type outdoor	Optiflux version R6

Operating and Electrical

Input Voltage	220 to 240 V
Line Frequency	50 to 60 Hz
Inrush current	53 A
Inrush time	0.3 ms
Power Consumption	94 W
Power Factor (Fraction)	0.95
Connection	Plug-in connector 3-pole Wieland/Adels compatible
Cable	-
Number of products on MCB of 16 A type B 8	

Temperature

Ambient temperature range	-40 to +50 °C
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Controls and Dimming

Dimmable	Yes
Driver/power unit/transformer	Power supply unit with DALI interface
Control interface	DALI
Constant light output	No

Mechanical and Housing

Housing Material	Aluminum
Reflector material	-
Optic material	Polycarbonate

Optical cover material	Glass
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	130 mm
Overall height	435 mm
Effective projected area	0.057 m²
Dimensions (Height x Width x Depth)	435 x 130 x 720 mm
Parts color	All parts colored

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 6 kV differential mode and 6 kV common mode
Protection class IEC	Safety class I

Initial Performance (IEC Compliant)

Luminous flux tolerance	+/-7%
Initial chromaticity	(0.377, 0.373) SDCM <5
Power consumption tolerance	+/-10%
Init. Color Rendering Index Tolerance	+/-2

Over Time Performance (IEC Compliant)

Driver failure rate at 5000 h	0.23 %
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Application Conditions

Maximum dim level	25%
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Product Data

Order product name	BGP623 GRN137/NW PSD I OFR6 AL GR D9
Full product name	BGP623 GRN137/NW PSD I OFR6 AL GR D9
Full product code	871794321431000
Order code	912300023273
Material Nr. (12NC)	912300023273
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8717943214310
Numerator - Packs per outer box	1
EAN/UPC - Case	8717943214310

