



Luma

BGP625 80xLED130-4S/740 PSU I DM10 AL GR

LUMA 2, 80, LED module 13000 lm, 740 neutral white, Power supply unit (On/Off), Safety class I, Distribution medium 10, Acrylate micro-lens optic, Grey, Philips standard surge protection level, 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	
Lamp family code	LED130 [LED module 13000 lm]
Light source replaceable	Yes
Number of gear units	1 unit
Driver included	Yes
Remarks	* At extreme ambient temperatures the luminaire might automatically dim down to protect components
Light source engine type	LED

Product family code	BGP625 [LUMA 2]
Lighting Technology	LED
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	11,700 lm
Standard tilt angle posttop	-
Standard tilt angle side entry	0°
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	154 lm/W
Color rendering index (CRI)	≥70
Number of light sources	80
Light source color	740 neutral white
Optical cover type	Acrylate micro-lens optic
Luminaire light beam spread	77° - 11° x 156°
Optic type outdoor	Distribution medium 10

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	76 W
Power Factor (Fraction)	0.97
Connection	Connection unit 3-pole
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	No
Driver/power unit/transformer	Power supply unit (On/Off)
Control interface	Analog
Constant light output	No

Mechanical and Housing

Housing Material	Aluminum
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	876 mm
Overall width	435 mm
Overall height	130 mm
Overall diameter	62 mm
Effective projected area	0.067 m²
Dimensions (Height x Width x Depth)	130 x 435 x 876 mm

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
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)

Driver failure rate at 5000 h	0.5 %
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Application Conditions

Maximum dim level	Not applicable
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Product Data

Order product name	BGP625 80xLED130-4S/740 PSU I DM10 AL GR
Full product name	BGP625 80xLED130-4S/740 PSU I DM10 AL GR
Full product code	871869947322800
Order code	912300024044
Material Nr. (12NC)	912300024044
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718699473228
Numerator - Packs per outer box	1
EAN/UPC - Case	8718699473228

Dimensional drawing

