



Luma

BGP623 LED220-4S/740 I DM11 GR DDF27 SRG

LUMA 1 - 80 pcs - LED module 22000 lm - 4th generation, screw fixation - 740 neutral white - Power supply unit with DynaDimmer - Safety class I - Distribution medium 11 - Acrylate micro-lens optic - Gray - DynaDimmer with fixed presets version 27 - Dimming via DynaDimmer integrated in ballast or driver - Luminaire surge protection level until 10 kV differential mode and 10 kV common mode - - 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. 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			
Number of light sources	80 pcs	Light source replaceable	Yes
Lamp family code	LED220 [LED module 22000 lm]	Number of gear units	1 unit
Lamp version	4S [4th generation, screw fixation]	Driver/power unit/transformer	Power supply unit with DynaDimmer
Light source color	740 neutral white	Driver included	Yes
		Optical cover/lens type	Acrylate micro-lens optic

Luminaire light beam spread	78° - 14° x 156°
Embedded control	DynaDimmer with fixed presets version 27
Control interface	Dynamix DMX
Light regulation	Dimming via DynaDimmer integrated in ballast or driver
Connection	Connection unit 3-pole
Cable	-
Protection class IEC	Safety class I
Flammability mark	-
CE mark	CE mark
ENEC mark	ENEC mark
Warranty period	5 years
Optic type outdoor	Distribution medium 11
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
Luminaire fixation bolts	Length 30 mm
Constant light output	No
Number of products on MCB of 16 A type B	8
RoHS mark	RoHS 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	BGP623 [LUMA 1]

Light Technical

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

Operating and Electrical

Input Voltage	220 to 240 V
Input Frequency	50 to 60 Hz
Inrush current	53 A
Inrush time	0.3 ms
Power Factor (Min)	0.99

Controls and Dimming

Dimmable	No
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Mechanical and Housing

Housing Material	Aluminum
Reflector material	-

Optic material	Polycarbonate
Optical cover/lens material	Polycarbonate
Fixation material	Aluminum
Mounting device	Spigot for diameter 62 mm
Optical cover/lens shape	Flat
Optical cover/lens finish	Clear
Fixation angle	Mounting device angle 0°
Overall length	649 mm
Overall width	435 mm
Overall height	130 mm
Overall diameter	62 mm
Effective projected area	0.057 m²
Color	Gray

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

Initial Performance (IEC Compliant)

Initial luminous flux (system flux)	19580 lm
Luminous flux tolerance	+/-7%
Initial LED luminaire efficacy	146 lm/W
Init. Corr. Color Temperature	4000 K
Init. Color Rendering Index	≥70
Initial chromaticity	(0.382, 0.379) SDCM <5
Initial input power	134 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	L93

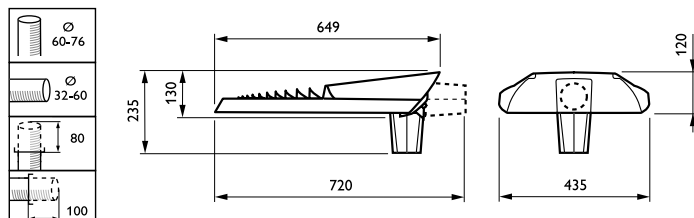
Application Conditions

Ambient temperature range	-40 to +50 °C
Performance ambient temperature Tq	25 °C
Maximum dim level	Not applicable

Product Data

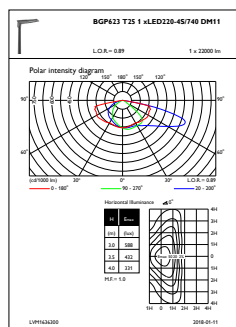
Full product code	871869911592000
Order product name	BGP623 LED220-4S/740 I DM11 GR DDF27 SRG
EAN/UPC - Product	8718699115920
Order code	912300023805
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	1
Material Nr. (12NC)	912300023805
Net Weight (Piece)	10.925 kg

Dimensional drawing

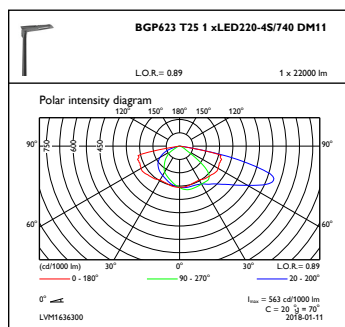


Luma BGP621-627

Photometric data



OFPL1_BGP623T251xLED220-4S740DM11



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