



# Luma

## BGP627 LED550-4S/740 I DM11 GR DDF27 SRG

LUMA 3 - 200 pcs - LED module 55000 lm - 4th generation, screw fixation - 740 neutral white - Power supply unit with DynaDimmer - Safety class I (I) - Distribution medium 11 - Acrylate micro-lens optic - Gray - DynaDimmer with fixed presets version 27 - Dimming via DynaDimmer integrated in ballast or driver - Surge protection level until 10 kV - - - Side-entry for diameter 62 mm

Luma is a REVOLED™ 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’s truly flat design prevents upward light, and the OPTIFLUX™ lens optics meet current lighting standards. 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 gear units	
Number of light sources	200 [ 200 pcs]		1 unit
Lamp family code	LED550 [ LED module 55000 lm]	Driver/power unit/transformer	PSDD [ Power supply unit with DynaDimmer]
Lamp version	4S [ 4th generation, screw fixation]	Driver included	Yes
Light source colour	740 neutral white	Optical cover/lens type	AC-MLO [ Acrylate micro-lens optic]
Light source replaceable	Yes	Luminaire light beam spread	78° - 14° x 156°

# Luma

Embedded control	DDF27 [ DynaDimmer with fixed presets version 27]
Control interface	Dynamix DMX
Light regulation	Dimming via DynaDimmer integrated in ballast or driver
Connection	CU3 [ Connection unit 3-pole]
Cable	-
Protection class IEC	Safety class I (I)
Flammability mark	NO [-]
CE mark	CE mark
ENEC mark	ENEC mark
Warranty period	5 years
Outdoor optic type	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	8
RoHS mark	RoHS mark
LED engine type	LED
Product Family Code	BGP627 [ LUMA 3]

## Light Technical

Upward light output ratio	0
Standard tilt angle post-top	-
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.)	0.98

## 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	625 [ Side-entry for diameter 62 mm]
Optical cover/lens shape	Flat
Optical cover/lens finish	Clear
Fixation angle	Mounting device angle 0°
Overall length	1076 mm
Overall width	435 mm
Overall height	130 mm
Overall diameter	62 mm
Effective projected area	0.079 m²
Colour	Gray

## Approval and Application

Ingress protection code	IP66 [ Dust penetration-protected, jet-proof]
Mech. impact protection code	IK09 [ 10 J]
Surge protection (common/differential)	Surge protection level until 10 kV

## Initial Performance (IEC Compliant)

Initial luminous flux	49280 lm
Luminous flux tolerance	+/-7%
Initial LED luminaire efficacy	147 lm/W
Init. Corr. colour temperature	4000 K
Init. colour rendering index	≥70
Initial chromaticity	(0.382, 0.379) SDCM <5
Initial input power	335 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	L91

## Application Conditions

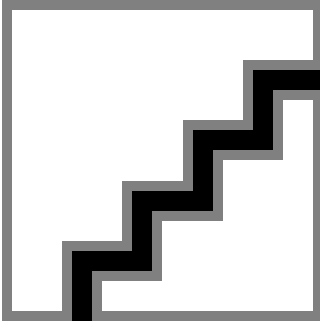
Ambient temperature range	-40 to +50 °C
Performance ambient temperature Tq	25 °C
Maximum dimming level	Not applicable

## Product Data

Full product code	871869911596800
Order product name	BGP627 LED550-4S/740 I DM11 GR DDF27 SRG
EAN/UPC – product	8718699115968
Order code	11596800
Numerator – quantity per pack	1
Numerator – packs per outer box	1
Material no. (12NC)	912300023809
Net weight (piece)	19.480 kg

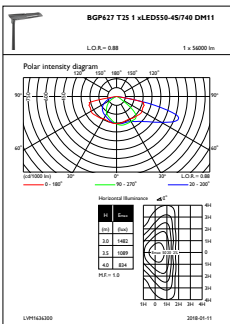


Dimensional drawing

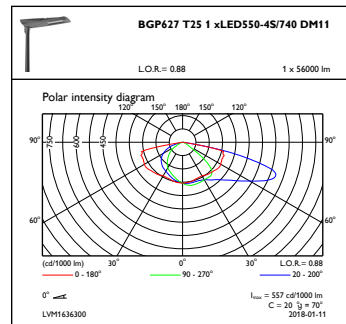


Luma BGP621-627

Photometric data



OFPL1\_BGP627T251xLED550-4S740DM11



OFPC1\_BGP627T251xLED550-4S740DM11

