



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 (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 - - - Spigot 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 | 80 [80 pcs] | Number of gear units | 1 unit |
| Lamp family code | LED220 [LED module 22000 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

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|---|---|
| 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 |
| Optic type outdoor | Distribution medium 11 |
| Remarks | *- According to the Lighting Europe guidance paper 'Evaluating performance of LED based luminaires – January 2018': statistically there is no relevant difference in lumen maintenance between the B50 and, for example, the 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 (16 A type B) | 8 |
| EU RoHS compliant | Yes |
| LED engine type | LED |
| Serviceability class | Class A, the 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

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|--------------------------------|----|
| Upward light output ratio | 0 |
| Standard tilt angle post-top | - |
| Standard tilt angle side entry | 0° |

Operating and Electrical

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|---------------------|--------------|
| 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

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| Dimmable | No |
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Mechanical and Housing

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|--------------------|----------|
| Housing material | Aluminum |
| Reflector material | - |

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|-------------------------------------|---|
| Optic material | Polycarbonate |
| Optical cover/lens material | Polycarbonate |
| Fixation material | Aluminium |
| Mounting device | 62 [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 m ² |
| Colour | Gray |
| Dimensions (height x width x depth) | 130 x 435 x 649 mm (5.1 x 17.1 x 25.6 in) |

Approval and Application

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|--|---|
| 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)

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|-------------------------------------|------------------------|
| Initial luminous flux (system flux) | 19580 lm |
| Luminous flux tolerance | +/-7% |
| Initial LED luminaire efficacy | 146 lm/W |
| Init. Corr. Colour Temperature | 4000 K |
| Init. Colour 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)

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|---|------|
| Control gear failure rate at median useful life 100,000 h | 10 % |
| Lumen maintenance at median useful life* 100,000 h | L93 |

Application Conditions

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

Product Data

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|-------------------------------------|--|
| Full product code | 871869911592000 |
| Order product name | BGP623 LED220-4S/740 I DM11 GR DDF27 SRG |
| EAN/UPC – product | 8718699115920 |
| Order code | 11592000 |
| Numerator – quantity per pack | 1 |
| SAP numerator – packs per outer box | 1 |
| Material no. (12 NC) | 912300023805 |
| Net Weight (Piece) | 11.500 kg |



Dimensional drawing



649

Luma BGP621-627

