



Luma

BGP625 GRN176/NW PSD I OFR2 AL GR D9

LUMA 2, 120, LED GreenLine 17600 lm, Neutral white, Power supply unit with DALI interface, Safety class I, Optiflux version R2, 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 | GRN176 [LED GreenLine 17600 lm] | Light source engine type | LED |
| Light source replaceable | Yes | Product family code | BGP625 [LUMA 2] |
| Number of gear units | 2 units | Lighting Technology | LED |
| Driver included | Yes | Embedded control | - |
| Photocell | - | CE mark | Yes |

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

Light Technical

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|------------------------------------|---------------------|
| Upward light output ratio | 0 |
| Luminous Flux | 17,600 lm |
| Standard tilt angle posttop | 0° |
| Standard tilt angle side entry | 0° |
| Correlated Color Temperature (Nom) | 4000 K |
| Luminous Efficacy (rated) (Nom) | 147 lm/W |
| Color rendering index (CRI) | 70 |
| Number of light sources | 120 |
| Light source color | Neutral white |
| Optical cover type | Flat glass |
| Luminaire light beam spread | 21° - 10° x 144° |
| Optic type outdoor | Optiflux version R2 |

Operating and Electrical

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| Input Voltage | 220 to 240 V |
| Line Frequency | 50 to 60 Hz |
| Inrush current | 53 A |
| Inrush time | 0.3 ms |
| Power Consumption | 120 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

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|---------------------------|---------------|
| Ambient temperature range | -40 to +50 °C |
|---------------------------|---------------|

Controls and Dimming

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

Mechanical and Housing

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|--------------------|---------------|
| Housing Material | Aluminum |
| Reflector material | - |
| Optic material | Polycarbonate |

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|-------------------------------------|-------------------------------|
| 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 | 876 mm |
| Overall width | 130 mm |
| Overall height | 435 mm |
| Effective projected area | 0.066 m² |
| Dimensions (Height x Width x Depth) | 435 x 130 x 876 mm |
| Parts color | All parts colored |

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) | Luminaire surge protection level until 6 kV differential mode and 6 kV common mode |
| Protection class IEC | Safety class I |

Initial Performance (IEC Compliant)

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|---------------------------------------|------------------------|
| 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)

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|-------------------------------|--------|
| Driver failure rate at 5000 h | 0.23 % |
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Application Conditions

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| Maximum dim level | 25% |
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Product Data

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|---------------------------------|--------------------------------------|
| Order product name | BGP625 GRN176/NW PSD I OFR2 AL GR D9 |
| Full product name | BGP625 GRN176/NW PSD I OFR2 AL GR D9 |
| Full product code | 871794321432700 |
| Order code | 912300023274 |
| Material Nr. (12NC) | 912300023274 |
| Numerator - Quantity Per Pack | 1 |
| EAN/UPC - Product/Case | 8717943214327 |
| Numerator - Packs per outer box | 1 |
| EAN/UPC - Case | 8717943214327 |

