



Luma gen2 Solar

VGP704 80 4S 740 48V III DM10 42/60S

Luma gen2 Solar, Road & street light, 4000 K, CRI70, Distribution medium 10, Safety class III, IP66

Meet your sustainability targets in an easy and fast way. we upgraded your most preferred luminaire Luma gen2 to be powered by Solar energy. Finless design, future-proof architecture, hustle-free maintenance and best in class lighting performance are some of the reasons we are proud of Luma gen2 Solar. Let's take a deep dive in all the characteristics we worked on to meet your lighting needs.

Product data

| General Information | |
|------------------------------------|------------------------|
| Light source replaceable | Yes |
| Driver included | No |
| Light source engine type | LED |
| Service tag | Yes |
| Warranty period | 5 years |
| Light Technical | |
| Upward light output ratio | 0 |
| Correlated Color Temperature (Nom) | 4000 K |
| Color rendering index (CRI) | 70 |
| Number of light sources | 2 |
| Light source color | 740 neutral white |
| Luminaire light beam spread | 155° x 86° |
| Optic type outdoor | Distribution medium 10 |
| Effective projected area | 0.136 m ² |

| Operating and Electrical | |
|--|------------------------------------|
| Input Voltage | 48 V |
| Connection | Connection unit 2-pole |
| Cable | - |
| Protection class IEC | Safety class III |
| Surge Protection (Common/Differential) | - |
| Controls and Dimming | |
| Dimmable | No |
| Configurability | Configurable |
| Control interface | - |
| Solar dimming profile | configurable via charge controller |
| Mechanical and Housing | |
| Housing Material | Aluminum die cast |
| Optic material | Polymethyl methacrylate |
| Optical cover material | Tempered glass |
| Fixation material | Aluminum |

Luma gen2 Solar

| | |
|-------------------------------------|--|
| Housing Color | Dark gray |
| Mounting device | Side-entry for diameter 42 to 60 mm |
| Optical cover shape | Flat |
| Optical cover finish | Clear |
| Overall length | 743 mm |
| Overall width | 360 mm |
| Overall height | 146 mm |
| Dimensions (Height x Width x Depth) | 146 x 360 x 743 mm |
| Battery location | on-pole, in-ground |
| Ingress protection code | IP66 [Dust penetration-protected, jet-proof] |
| Mech. impact protection code | IK10 [20 J vandal-resistant] |
| Standard tilt angle posttop | - |
| Standard tilt angle side entry | 0° |
| Optical cover type | Glass |
| Net Weight (Piece) | 10.100 kg |

Approval and Application

| | |
|------------------------------------|---|
| Flammability mark | For mounting on normally flammable surfaces |
| CE mark | Yes |
| EU RoHS compliant | Yes |
| Performance ambient temperature Tq | 25 °C |
| Ambient temperature range | -40 to +50 °C |

Initial Performance (IEC Compliant)

| | |
|--|------------------------|
| Luminous flux tolerance | +/-7% |
| Initial chromaticity | (0.382, 0.380) SDCM <5 |
| Init. Color Rendering Index Tolerance | +/-2 |
| Standard Deviation of Colour Matching (McAdam ellipse) | SDCM≤5 |

Over Time Performance (IEC Compliant)

| | |
|---|------|
| Control gear failure rate at median useful life 50000 h | 10 % |
| Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 50000 h | - |

| | |
|--|-----|
| Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 100000 h | L98 |
|--|-----|

Sustainability Data

| | |
|--|--|
| Sustainability rating | Unclassified |
| Repair class | Repair Class B, the driver and light source of this luminaire can be replaced by a service technician. Parts and documentation are available for an extended period of time. |
| Embedded carbon (A1-A3) | 226 kg CO _{2e} |
| Product non-virgin material ratio | 6.86 % |
| Recyclable content ratio of the finished product | 62.1 % |
| GWP total B6 (kg CO _{2eq}) Declared Unit | Please calculate using your local energy mix value: Power Declared Unit (kW) * Service life (hrs) Declared Unit * Energy mix (kg CO _{2eq} / kWh) |
| GWP total B6 (kg CO _{2eq}) Functional Unit | Please calculate using your local energy mix value: Power Declared Unit (kW) * 1000 (lm) / lumen output (lm) Declared Unit * 35000 (hrs) * Energy mix (kg CO _{2eq} / kWh) |

Product Data

| | |
|---------------------------------|--------------------------------------|
| Order product name | VGP704 80 4S 740 48V III DM10 42/60S |
| Full product name | VGP704 80 4S 740 48V III DM10 42/60S |
| Full product code | 871951462379800 |
| Order code | 910925868315 |
| Material Nr. (12NC) | 910925868315 |
| Numerator - Quantity Per Pack | 1 |
| EAN/UPC - Product/Case | 8719514623798 |
| Numerator - Packs per outer box | 1 |
| EAN/UPC - Case | 8719514623798 |
| Product family code | VGP704 [LUMA GEN2 MEDIUM SOLAR] |

Dimensional drawing

Luma gen2 Solar

Photometric data



Polar Normal (separate) - VGP704I - 910925868315

