



Luma gen2

BGP704 LED140-4S/740 DM50 GF SRT SRB 60

Luma gen2, Road & street light, 83 W, 12740 lm, 4000 K, CRI70, Internal (no external connection), Distribution medium 50, Safety class I, IP66

The Philips Luma family is designed to deliver flexible, highly efficient, and sustainable lighting that adapts to the dynamic needs of every city. Luma gen2 preserves the distinctive design characteristics of the first generation while adding the benefits of the latest technology, including a future-proof System Ready architecture, a new LEDgine performance extension, and an optical platform that ensures best-in-class lighting performance in a broad range of applications. Luma gen2 also offers improved serviceability. Installation is easy and fast, and Service tag gives you access to all relevant specs and product documentation onsite. The cable feed-through offers easy, top-down, tool-less access to the luminaire's gear components. Because Luma gen2 is System Ready, you can pair it with connected lighting management systems such as Interact, or with existing and future sensor innovations. Luma gen2 has been developed to optimize and simplify repairs and maintenance with a plug-and-play GearFlex module containing all electrical components in an easy-to-handle and accessible box inside the housing. Because sustainability is our focus, the GearFlex module uses post-industrial recycled material. The white frame around the LED engine uses post-industrial recycled material, and our product packaging minimizes plastic waste. The product can be disassembled in only a few steps at end of life. As a company conscious of the impact of light on the environment and biodiversity, we equipped Luma gen2 luminaires with dedicated light recipes that help to protect ecosystems for bats and preserve the dark night sky.

Product data

Luma gen2

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| General Information | |
| Lamp family code | LED140 [LED module 14000 lm] |
| Light source replaceable | Yes |
| Number of gear units | 1 unit |
| Driver included | Yes |
| Light source engine type | LED |
| Service tag | Yes |
| Lighting Technology | LED |
| Value ladder | Specification |
| Warranty period | 5 years |
| Sustainability rating | Lighting for circularity |

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| Light Technical | |
| Upward light output ratio | 0 |
| Luminous Flux | 12,740 lm |
| Correlated Color Temperature (Nom) | 4000 K |
| Luminous Efficacy (rated) (Nom) | 153 lm/W |
| Color rendering index (CRI) | 70 |
| Light source color | 740 neutral white |
| Luminaire light beam spread | 154° - 31° x 54° |
| Optic type outdoor | Distribution medium 50 |
| Effective projected area | 0.136 m² |

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| Operating and Electrical | |
| Input Voltage | 220 to 240 V |
| Line Frequency | 50 to 60 Hz |
| Inrush current | 4 A |
| Inrush time | 2.7 ms |
| Power Consumption | 83 W |
| Power Factor (Fraction) | 0.98 |
| Connection | Connection unit 5-pole |
| Cable | - |
| Number of products on MCB of 16 A type B | 21 |
| Protection class IEC | Safety class I |
| Surge Protection (Common/Differential) | Luminaire surge protection level until 6 kV differential mode and 8 kV common mode |

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| Controls and Dimming | |
| Dimmable | No |
| Driver/power unit/transformer | Power supply unit with DALI and SystemReady interface |
| Control interface | Internal (no external connection) |
| Constant light output | No |
| Maximum dim level | Not applicable |

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| Mechanical and Housing | |
| Housing Material | Aluminum die cast |
| Reflector material | - |
| Optic material | Polymethyl methacrylate |
| Optical cover material | Glass |
| Fixation material | Aluminum |
| Housing Color | Gray |

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| Mounting device | Post-top for diameter 60 to 76 mm |
| Optical cover shape | Flat |
| Optical cover finish | Clear |
| Overall length | 657 mm |
| Overall width | 360 mm |
| Overall height | 245 mm |
| Dimensions (Height x Width x Depth) | 245 x 360 x 657 mm |
| Ingress protection code | IP66 [Dust penetration-protected, jet-proof] |
| Mech. impact protection code | IK09 [10 J] |
| Standard tilt angle posttop | 0° |
| Standard tilt angle side entry | - |
| Optical cover type | Glass |
| Net Weight (Piece) | 12.136 kg |

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| Approval and Application | |
| Flammability mark | - |
| CE mark | Yes |
| ENEC mark | ENEC plus mark |
| EU RoHS compliant | Yes |
| Performance ambient temperature Tq | 25 °C |
| Remarks | * At extreme ambient temperatures the luminaire might automatically dim down to protect components |
| Ambient temperature range | -40 to +50 °C |

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| Initial Performance (IEC Compliant) | |
| Luminous flux tolerance | +/-7% |
| Initial chromaticity | (0.382, 0.380) SDCM 5 |
| Power consumption tolerance | +/-10% |
| Init. Color Rendering Index Tolerance | +/-2 |
| Standard Deviation of Colour Matching (McAdam ellipse) | SDCM≤5 |

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| Over Time Performance (IEC Compliant) | |
| Driver failure rate at 5000 h | 0.005 % |
| Control gear failure rate at median useful life 50000 h | 5 % |
| Control gear failure rate at median useful life 100000 h | 10 % |
| Lumen maintenance at median useful life* 50000 h | L97 |
| Lumen maintenance at median useful life* 100000 h | L97 |

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| Product Data | |
| Order product name | BGP704 LED140-4S/740 DM50 GF SRT SRB 60 |
| Full product name | BGP704 LED140-4S/740 DM50 GF SRT SRB 60 |
| Full product code | 871951405974000 |
| Order code | 910925866542 |

Luma gen2

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| Material Nr. (12NC) | 910925866542 |
| Numerator - Quantity Per Pack | 1 |
| EAN/UPC - Product/Case | 8719514059740 |
| Numerator - Packs per outer box | 1 |

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| EAN/UPC - Case | 8719514059740 |
| Product family code | BGP704 [LUMA GEN2 MEDIUM] |

Dimensional drawing

