



CitySoul gen2 LED Large

BRP531 GRN160-/830 II DM FG AL GR T35 60

CitySoul gen2 Large, LED GreenLine 16000 lm, Distribution medium, Flat glass

CitySoul LED gen2 is one of the most versatile and inspirational LED urban street lighting families designed by Philips to date. This highly efficient range delivers excellent lighting levels whilst also providing the right ambience for every urban application, from the suburbs to the city center. This modular city lighting family has evolved with new innovations such as the Lyre and the Accent bracket, making it the ideal toolbox for every urban context. To give your cityscape a coherent, elegant and discreet identity, the design is flatter, completely round, and the transitions with the spigot and bracket entirely flush. It also comes in two sizes and is suitable for side-entry, post-top, catenary and suspended mounting. CitySoul LED gen2 is highly efficient and easy to maintain. Thanks to the built in Philips LEDGINE-O engine, and the wide range of application-tailored optics, this urban lighting solution delivers the right amount of light and in the right direction on your street, enabling further energy savings. The luminaires can even be equipped with our dedicated light recipe that preserves dark skies. CitySoul LED gen2 is also future ready with a choice of one or two Philips System Ready (SR) sockets that enable the luminaire to be paired with both standalone and advanced control and lighting software applications such as Interact from Signify. In addition, every CitySoul LED gen2 luminaire is uniquely identifiable, thanks to the Signify Service tag app. By simply scanning a QR code, placed inside the door of the mast or directly on the luminaire, you can instantly access the configuration of the luminaire. This makes maintenance and programming operations faster and easier, and enables you to create a digital library of lighting assets and spare parts.

Product data

CitySoul gen2 LED Large

| General Information | |
|--|--|
| Lamp family code | GRN160 [LED GreenLine 16000 lm] |
| Light source replaceable | Yes |
| Number of gear units | 1 unit |
| Driver included | Yes |
| Remarks | * At extreme ambient temperatures the luminaire might automatically dim down to protect components |
| Light source engine type | LED |
| Product family code | BRP531 [CitySoul gen2 Large] |
| Lighting Technology | LED |
| Value ladder | Performance |
| Embedded control | - |
| CE mark | Yes |
| Warranty period | 5 years |
| Flammability mark | - |
| ENEC mark | ENEC mark |
| Glow-wire test | Temperature 650 °C, duration 30 s |
| EU RoHS compliant | Yes |
| Light Technical | |
| Upward light output ratio | 0.03 |
| Luminous Flux | 12,779 lm |
| Standard tilt angle posttop | 0° |
| Standard tilt angle side entry | 0° |
| Correlated Color Temperature (Nom) | 3000 K |
| Luminous Efficacy (rated) (Nom) | 106 lm/W |
| Color rendering index (CRI) | >80 |
| Number of light sources | 64 |
| Light source color | 830 warm white |
| Optical cover type | Flat glass |
| Luminaire light beam spread | 180° |
| Optic type outdoor | Distribution medium |
| Operating and Electrical | |
| 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) | 0.8 |
| Connection | - |
| Cable | - |
| Number of products on MCB of 16 A type B | 11 |
| Temperature | |
| Ambient temperature range | -40 to +50 °C |
| Controls and Dimming | |
| Dimmable | No |
| Driver/power unit/transformer | Power supply unit (On/Off) |
| Control interface | - |

| Constant light output | No |
|--|--|
| Mechanical and Housing | |
| Housing Material | Aluminum |
| Reflector material | - |
| Optic material | Polymethyl methacrylate |
| Optical cover material | Polymethyl methacrylate |
| Fixation material | Aluminum |
| Housing Color | Grey |
| Mounting device | Side-entry for diameter 60 mm |
| Optical cover shape | Convex lens |
| Optical cover finish | Mask (anti-glare) |
| Overall length | 735 mm |
| Overall width | 628 mm |
| Overall height | 106 mm |
| Effective projected area | 0.029 m ² |
| Dimensions (Height x Width x Depth) | 106 x 628 x 735 mm |
| Parts color | All parts colored |
| Approval and Application | |
| Ingress protection code | IP66 [Dust penetration-protected, jet-proof] |
| Mech. impact protection code | IK08 [5 J vandal-protected] |
| Surge Protection (Common/Differential) | Luminaire surge protection level until 6 kV differential mode and 8 kV common mode |
| Protection class IEC | Safety class II |
| Photobiological risk | Photobiological risk group 1 @200mm to EN62778 |
| Initial Performance (IEC Compliant) | |
| Luminous flux tolerance | +/-10% |
| Initial chromaticity | (0.43,0.40) SDCM<5 |
| Power consumption tolerance | +/-10% |
| Init. Color Rendering Index Tolerance | +/-2 |
| Over Time Performance (IEC Compliant) | |
| Driver failure rate at 5000 h | 0.15 % |
| Application Conditions | |
| Maximum dim level | Not applicable |
| Product Data | |
| Order product name | BRP531 GRN160-/830 II DM FG AL GR T35 60 |
| Full product name | BRP531 GRN160-/830 II DM FG AL GR T35 60 |
| Full product code | 871869661359700 |
| Order code | 910505016901 |
| Material Nr. (12NC) | 910505016901 |
| Numerator - Quantity Per Pack | 1 |
| EAN/UPC - Product/Case | 8718696613597 |
| Numerator - Packs per outer box | 1 |
| EAN/UPC - Case | 8718696613597 |

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Dimensional drawing

