PHILIPS Lighting



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 gen2 LED is one of the most versatile and inspirational urban street lighting families designed by Philips to date. This highly efficient range delivers excellent lighting levels whilst also providing the right ambiance for all urban application areas, from the outskirts of the city right through to the city center. By evolving the modularity of the CitySoul family and adding new innovations like the Lyre and the Accent bracket, Philips has made this range the ideal toolbox for every urban context. The design is flatter, completely round, and the transitions with the spigot and bracket entirely flush, thereby giving your cityscape a coherent, elegant and discreet identity. Designed around its LED engine, CitySoul gen2 LED is highly efficient and easy to maintain. It comes in two sizes and is suitable for side-entry, post-top, catenary and suspended mounting.

Product data

| 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 |

CitySoul gen2 LED Large

| 10.00 | | |
|-------|-------|--------|
| Light | tieci | hnical |
| | | |

| Upward light output ratio | 0.03 |
|------------------------------------|---------------------|
| Luminous Flux | 12,779 lm |
| Standard tilt angle posttop | O° |
| Standard tilt angle side entry | O° |
| 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 |

| Optical cover finish | Mask (anti-glare) |
|--|--|
| Overall length | 735 mm |
| Overall width | 628 mm |
| Overall height | 106 mm |
| Effective projected area | 0.029 m² |
| 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 |

| 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 | |

| 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 |

Protection class IEC

Safety class II

differential mode and 8 kV common mode

| 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 | 61359700 |
| Material Nr. (12NC) | 910505016901 |
| Numerator - Quantity Per Pack | 1 |
| EAN/UPC - Product/Case | 8718696613597 |
| Numerator - Packs per outer box | 1 |
| EAN/UPC - Case | 8718696613597 |

Temperature

Ambient temperature range -40 to +50 °C

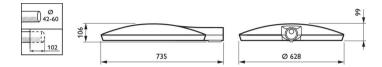
| Controls and Dimming | |
|-------------------------------|----------------------------|
| Dimmable | No |
| Driver/power unit/transformer | Power supply unit (On/Off) |
| Control interface | - |
| Constant light output | No |

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 |
| | |

CitySoul gen2 LED Large

Dimensional drawing





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