PHILIPS Lighting



CitySphere

BDP780 GRN30/740 PSU DW RB DGR CLO 60P

CitySphere, LED GreenLine 3000 lm, Distribution wide, Constant light output, Post-top for diameter 60 mm

At a time of rapidly changing social practices, every city is looking to be more attractive, welcoming, convenient and safe. CitySphere is a post-top ambiance LED luminaire designed to create a comfortable and pleasant atmosphere that puts the users of public spaces at ease. A slim, discreet presence during the day, it brings urban spaces to life at night. CitySphere delivers a visually comfortable volume of light and gives the city its own color signature. CitySphere comes with dedicated spigots, brackets and poles, enabling development planners, specifiers and decision makers to create a consistent urban identity and ambience.

Product data

| General Information | |
|--------------------------|---|
| Lamp family code | GRN30 [LED GreenLine 3000 lm] |
| Light source replaceable | No |
| Number of gear units | 1 unit |
| Driver included | Yes |
| Photocell | - |
| Remarks | *-Per Lighting Europe guidance paper |
| | "Evaluating performance of LED based |
| | luminaires - January 2018": statistically there |
| | is no relevant difference in lumen |
| | maintenance between B50 and for example |
| | B10. Therefore, the median useful life (B50) |
| | value also represents the B10 value. |
| Light source engine type | LED |
| Product family code | BDP780 [CitySphere] |
| Lighting Technology | LED |
| | |

| Value ladder | Specification |
|--------------------------------|------------------------------------|
| Embedded control | Constant light output |
| CE mark | Yes |
| Warranty period | 3 years |
| Flammability mark | For mounting on normally flammable |
| | surfaces |
| ENEC mark | ENEC mark |
| Glow-wire test | Temperature 650 °C, duration 5 s |
| EU RoHS compliant | Yes |
| | |
| Light Technical | |
| Upward light output ratio | 0.03 |
| Luminous Flux | 2,415 lm |
| Standard tilt angle posttop | 0° |
| Standard tilt angle side entry | 0° |
| | |

CitySphere

| Correlated Color Temperature (Nom) | 4000 K |
|--|---------------------------------------|
| Luminous Efficacy (rated) (Nom) | 93 lm/W |
| Color rendering index (CRI) | 70 |
| Light source color | 740 neutral white |
| Optical cover type | Polycarbonate bowl/cover UV-resistant |
| Luminaire light beam spread | 148° x 106° |
| Optic type outdoor | Distribution wide |
| | |
| Operating and Electrical | |
| Input Voltage | 220 to 240 V |
| Line Frequency | 50 to 60 Hz |
| Initial CLO power consumption | 21 W |
| Average CLO power consumption | 23.5 W |
| End CLO power consumption | 26 W |
| Inrush current | 80 A |
| Inrush time | 0.15 ms |
| Power Consumption | 26 W |
| Power Factor (Fraction) | 0.9 |
| Connection | Connection unit 3-pole |
| Cable | Cable 1.8 m without plug |
| Number of products on MCB of 16 A type | 11 |
| В | |
| | |
| Temperature | |
| Ambient temperature range | -40 to +50 °C |
| | |
| Controls and Dimming | |
| Dimmable | No |
| Driver/power unit/transformer | Power supply unit (On/Off) |
| Constant light output | Yes |
| | |

Aluminum

Polycarbonate

Polycarbonate

Polycarbonate

Post-top for diameter 60 mm

Aluminum

Dark gray

Conical

| Overall height | 662 mm | |
|--|--|--|
| Overall diameter | 661 mm | |
| Effective projected area | 0.343 m² | |
| | | |
| Approval and Application | | |
| Ingress protection code | IP66 [Dust penetration-protected, jet-proof] | |
| Mech. impact protection code | IK10 [20 J vandal-resistant] | |
| Surge Protection (Common/Differential) | Philips standard surge protection level | |
| Protection class IEC | Safety class I | |
| | | |
| Initial Performance (IEC Compliant) | | |
| Luminous flux tolerance | +/-7% | |
| Initial chromaticity | (0.381, 0.379) SDCM <5 | |
| Power consumption tolerance | +/-10% | |
| Init. Color Rendering Index Tolerance | +/-2 | |
| | | |
| Over Time Performance (IEC Compliant) | | |
| Control gear failure rate at median useful | 10 % | |
| life 100000 h | | |
| Lumen maintenance at median useful life* | ⁴ L100 | |
| 100000 h | | |
| | | |
| Application Conditions | | |
| Performance ambient temperature Tq | 25 ℃ | |
| | | |
| Product Data | | |
| Order product name | BDP780 GRN30/740 PSU DW RB DGR CLO | |
| | 60P | |
| Full product name | BDP780 GRN30/740 PSU DW RB DGR CLO | |
| | 60P | |
| Full product code | 871794317682300 | |
| Order code | 17682300 | |
| Material Nr. (12NC) | 912300022729 | |
| Numerator - Quantity Per Pack | 1 | |
| EAN/UDC Dreduct/Case | 07170 10170000 | |
| EAN/UPC - Product/Case | 8717943176823 | |

1

8717943176823

Ribbed

Optical cover finish

Mechanical and Housing

Housing Material

Reflector material

Optical cover material

Optic material

Fixation material

Mounting device

Optical cover shape

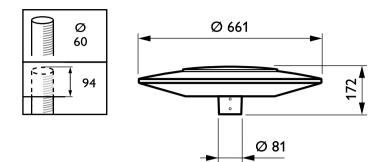
Housing Color

Numerator - Packs per outer box

EAN/UPC - Case

CitySphere

Dimensional drawing





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