# **PHILIPS** Lighting



# CitySphere

# BDP780 GRN60/830/RD PSU DS RB DGR CLO 60

CitySphere, LED GreenLine 6000 lm, Distribution symmetrical, 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         | GRN60 [LED GreenLine 6000 lm]                   |
| Light source replaceable | No  |
| Number of gear units     | 2 units   |
| 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                  | 4,590 lm                           |
| Standard tilt angle posttop    | 0°                                 |
| Standard tilt angle side entry | 0°                                 |
|                                |                                    |

## CitySphere

| Correlated Color Temperature (Nom)     | 3000 K                                |
|--|---------------------------------------|
| Luminous Efficacy (rated) (Nom)        | 83 lm/W                               |
| Color rendering index (CRI)            | 80                                    |
| Light source color                     | 830 warm white                        |
| Optical cover type                     | Polycarbonate bowl/cover UV-resistant |
| Luminaire light beam spread            | 148° x 148°                           |
| Optic type outdoor                     | Distribution symmetrical              |
|  |                                       |
| Operating and Electrical               |                                       |
| Input Voltage                          | 220 to 240 V                          |
| Line Frequency                         | 50 to 60 Hz                           |
| Initial CLO power consumption          | 44 W                                  |
| Average CLO power consumption          | 49.5 W                                |
| End CLO power consumption              | 55 W                                  |
| Inrush current                         | 70 A                                  |
| Inrush time                            | 0.19 ms                               |
| Power Consumption                      | 55 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 | 9                                     |
| 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                                   |
|  |                                       |
| Mechanical and Housing                 |                                       |
|  |                                       |

Aluminum

Polycarbonate

Polycarbonate

Polycarbonate

Post-top for diameter 60 mm

Aluminum

Dark gray

Conical

| 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                       | (0.410, 0.390) SDCM <3                       |
| Power consumption tolerance                | +/-10%                                       |
| Init. Color Rendering Index Tolerance      | +/-2   |
|  |  |
| Over Time Performance (IEC Compl           | iant)  |
| Control gear failure rate at median useful | 10 %   |
| life 100000 h                              |  |
| Lumen maintenance at median useful         | L100   |
| life* 100000 h                             |  |
|  |  |
| Application Conditions                     |  |
| Performance ambient temperature Tq         | 25 ℃   |
|  |  |
| Product Data                               |  |
| Order product name                         | BDP780 GRN60/830/RD PSU DS RB DGR            |
|  | CLO 60                                       |
| Full product name                          | BDP780 GRN60/830/RD PSU DS RB DGR            |
|  | CLO 60                                       |
| Full product code                          | 871794317635900                              |
| Order code                                 | 17635900                                     |
| Material Nr. (12NC)                        | 912300022681                                 |
| Numerator - Quantity Per Pack              | 1  |
| EAN/UPC - Product/Case                     | 8717943176359                                |
| Numerator - Packs per outer box            | 1  |
| EAN/UPC - Case                             | 8717943176359                                |
|  |  |

Ribbed

662 mm

661 mm

Optical cover finish

Overall height

Overall diameter

Housing Material

Reflector material

Optical cover material

Optic material

Fixation material

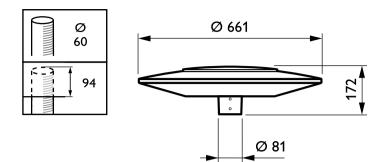
Mounting device

Optical cover shape

Housing Color

## CitySphere

#### Dimensional drawing





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