

# CitySphere

## BDP780 GRN60/740 PSU II DW RB DGR 76P

CitySphere, LED GreenLine 6000 lm, Distribution wide, Post-top for diameter 76 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** | 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. * At extreme ambient temperatures the luminaire might automatically dim down to protect components |

| | |
|---|---|
| **Light source engine type** | LED |
| **Product family code** | BDP780 [CitySphere] |
| **Lighting Technology** | LED |
| **Value ladder** | Specification |
| **Embedded control** | - |
| **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** | 4,830 lm |

# CitySphere

| | |
|---|---|
| **Standard tilt angle posttop** | 0° |
| **Standard tilt angle side entry** | 0° |
| **Correlated Color Temperature (Nom)** | 4000 K |
| **Luminous Efficacy (rated) (Nom)** | 101 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 |
| **Inrush current** | 70 A |
| **Inrush time** | 0.19 ms |
| **Power Consumption** | 48 W |
| **Power Factor (Fraction)** | 0.9 |
| **Connection** | Connection unit 2-pole |
| **Cable** | Cable 1.8 m without plug |
| **Number of products on MCB of 16 A type B** | 9 |

## 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** | No |

## Mechanical and Housing

| | |
|---|---|
| **Housing Material** | Aluminum |
| **Reflector material** | Polycarbonate |
| **Optic material** | Polycarbonate |
| **Optical cover material** | Polycarbonate |
| **Fixation material** | Aluminum |
| **Housing Color** | Dark gray |
| **Mounting device** | Post-top for diameter 76 mm |
| **Optical cover shape** | Conical |
| **Optical cover finish** | Ribbed |
| **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 II |

## 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 life 100000 h** | 10 % |
| **Lumen maintenance at median useful life* 100000 h** | L80 |

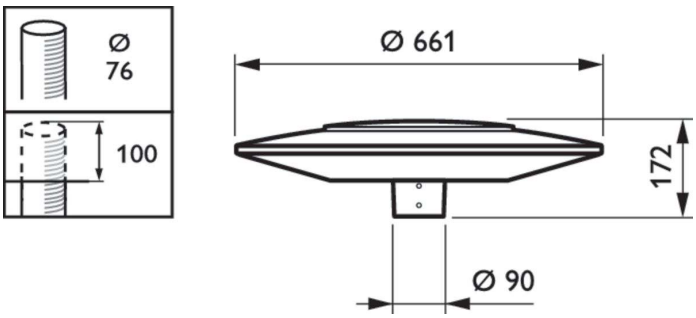
## Application Conditions

| | |
|---|---|
| **Performance ambient temperature Tq** | 25 °C |

## Product Data

| | |
|---|---|
| **Order product name** | BDP780 GRN60/740 PSU II DW RB DGR 76P |
| **Full product name** | BDP780 GRN60/740 PSU II DW RB DGR 76P |
| **Full product code** | 871794317662500 |
| **Order code** | 17662500 |
| **Material Nr. (12NC)** | 912300022709 |
| **Numerator - Quantity Per Pack** | 1 |
| **EAN/UPC - Product/Case** | 8717943176625 |
| **Numerator - Packs per outer box** | 1 |
| **EAN/UPC - Case** | 8717943176625 |

## Dimensional drawing




© 2023 Signify Holding All rights reserved. Signify does not give any representation or warranty as to the accuracy or completeness of the information included herein and shall not be liable for any action in reliance thereon. The information presented in this document is not intended as any commercial offer and does not form part of any quotation or contract, unless otherwise agreed by Signify. Philips and the Philips Shield Emblem are registered trademarks of Koninklijke Philips N.V.