



# **TownGuide Core**

## BDP002 ECO30/830 DS PCF GR 62P

TOWNGUIDE CORE BOWL, LED EconomyLine 3000 lm, Distribution symmetrical, Polycarbonate bowl/cover frosted, Post-top for diameter 62 mm

The TownGuide Core family consists of two recognizable yet modern shapes: Flat Cone and Bowl. Both are available with either a clear or frosted bowl. Offering an extensive range of lumen packages and a choice of color temperatures, as well as a long lifetime and comparatively low power consumption, TownGuide Core is a choice that is easily made. TownGuide Core offers quick and easy installation. Thanks to the bayonet whistle connector located in the spigot, the luminaire does not have to be opened at all, saving valuable labor time. In the development of TownGuide Core, Philips has made every effort to ensure the investment required is as low as possible. And as TownGuide Core is a dedicated LED luminaire, the energy cost savings compared to conventional lighting are significant, making it a natural choice to replace HPL lamps, which are banned from 2015 onwards.

#### **Product data**

| ECO30 [LED EconomyLine 3000 lm]                 |
|---|
| Yes   |
| 1 unit  |
| Yes   |
| -   |
| *-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      | BDP002 [TOWNGUIDE CORE BOWL]                 |  |
| Lighting Technology      | LED  |  |
| Embedded control         | -  |  |
| CE mark                  | Yes  |  |
| Warranty period          | 3 years                                      |  |
| Flammability mark        | -  |  |
| ENEC mark                | ENEC mark                                    |  |
| Glow-wire test           | Temperature 650 °C, duration 5 s             |  |

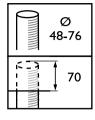
Datasheet, 2023, April 29 data subject to change

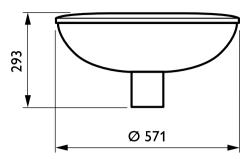
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| EU RoHS compliant                      | No                               | Mounting device                            | Post-top for diameter 62 mm                 |
|--|----------------------------------|--|---|
|  |                                  | Optical cover shape                        | Hemispherical flat                          |
| Light Technical                        |                                  | Optical cover finish                       | Frosted                                     |
| Upward light output ratio              | 0.4                              | Overall height                             | 293 mm                                      |
| Luminous Flux                          | 2,388 lm                         | Overall diameter                           | 570 mm                                      |
| Standard tilt angle posttop            | 0°                               | Effective projected area                   | 0.095 m²                                    |
| Standard tilt angle side entry         | -                                | Parts color                                | Spigot raw                                  |
| Correlated Color Temperature (Nom)     | 3000 K                           |  |   |
| Luminous Efficacy (rated) (Nom)        | 82 lm/W                          | Approval and Application                   |   |
| Color rendering index (CRI)            | 80                               | Ingress protection code                    | IP66 [Dust penetration-protected, jet-proof |
| Number of light sources                | 2                                | Mech. impact protection code               | IK10 [20 J vandal-resistant]                |
| Light source color                     | 830 warm white                   | Surge Protection (Common/Differential)     | Luminaire surge protection level until 4 kV |
| Optical cover type                     | Polycarbonate bowl/cover frosted |  | differential mode and 4 kV common mode      |
| Luminaire light beam spread            | 75°                              | Protection class IEC                       | Safety class I                              |
| Optic type outdoor                     | Distribution symmetrical         |  |   |
|  |                                  | Initial Performance (IEC Compliant)        |   |
| Operating and Electrical               |                                  | Luminous flux tolerance                    | +/-7%                                       |
| Input Voltage                          | 220 to 240 V                     | Initial chromaticity                       | (0.43, 0.40) SDCM <5                        |
| Line Frequency                         | 50 to 60 Hz                      | Power consumption tolerance                | +/-10%                                      |
| Inrush current                         | 70 A                             | Init. Color Rendering Index Tolerance      | +/-2  |
| Inrush time                            | 0.120 ms                         |  |   |
| Power Consumption                      | 26.9 W                           | Over Time Performance (IEC Compl           | iant)                                       |
| Power Factor (Fraction)                | 0.91                             | Control gear failure rate at median useful | 7.5 %                                       |
| Connection                             | Screw connection block 3-pole    | life 75000 h                               |   |
| Cable                                  | -                                | Lumen maintenance at median useful life    | * L80                                       |
| Number of products on MCB of 16 A type | 16                               | 75000 h                                    |   |
| В                                      |                                  |  |   |
|  |                                  | <b>Application Conditions</b>              |   |
| Temperature                            |                                  | Performance ambient temperature Tq         | 25 ℃  |
| Ambient temperature range              | -20 to +35 °C                    | Maximum dim level                          | Not applicable                              |
|  |                                  |  |   |
| Controls and Dimming                   |                                  | Product Data                               |   |
| Dimmable                               | No                               | Order product name                         | BDP002 ECO30/830 DS PCF GR 62P              |
| Driver/power unit/transformer          | Power supply unit (On/Off)       | Full product name                          | BDP002 ECO30/830 DS PCF GR 62P              |
| Control interface                      | -                                | Full product code                          | 871829191048000                             |
| Constant light output                  | No                               | Order code                                 | 91048000                                    |
|  |                                  | Material Nr. (12NC)                        | 910500991109                                |
| Mechanical and Housing                 |                                  | Numerator - Quantity Per Pack              | 1   |
| Housing Material                       | Aluminum                         | EAN/UPC - Product/Case                     | 8718291910480                               |
| Reflector material                     | -                                | Numerator - Packs per outer box            | 1   |
| Optic material                         | Acrylate                         | EAN/UPC - Case                             | 8718291910480                               |
| Optical cover material                 | Polycarbonate                    |  |   |
| Fixation material                      | Steel                            |  |   |
| Housing Color                          | Grey                             |  |   |
|  |                                  |  |   |

### **TownGuide Core**

#### Dimensional drawing







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