



# TownGuide Core

## BDP001 ECO20/830 DS PCF GR 62P

TOWNGUIDE CORE FLAT CONE, LED EconomyLine 2000 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

| General Information      |  |                          |   |
|--------------------------|--|--------------------------|---|
| Lamp family code         | ECO20 [LED EconomyLine 2000 lm]  |                          | B10. Therefore, the median useful life (B50) value also represents the B10 value. |
| Light source replaceable | Yes  | Light source engine type | LED   |
| Number of gear units     | 1 unit   | Product family code      | BDP001 [TOWNGUIDE CORE FLAT CONE]   |
| Driver included          | Yes  | Lighting Technology      | LED   |
| Photocell                | -  | Embedded control         | -   |
| 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 | CE mark                  | Yes   |
|                          |  | Warranty period          | 3 years   |
|                          |  | Flammability mark        | -   |
|                          |  | ENEC mark                | ENEC mark   |
|                          |  | Glow-wire test           | Temperature 650 °C, duration 5 s  |

## TownGuide Core

|                   |    |
|-------------------|----|
| EU RoHS compliant | No |
|-------------------|----|

### Light Technical

|                                    |                                  |
|------------------------------------|----------------------------------|
| Upward light output ratio          | 0.4                              |
| Luminous Flux                      | 1,145 lm                         |
| Standard tilt angle posttop        | 0°                               |
| Standard tilt angle side entry     | -                                |
| Correlated Color Temperature (Nom) | 3000 K                           |
| Luminous Efficacy (rated) (Nom)    | 60 lm/W                          |
| Color rendering index (CRI)        | 80                               |
| Number of light sources            | 2                                |
| Light source color                 | 830 warm white                   |
| Optical cover type                 | Polycarbonate bowl/cover frosted |
| Luminaire light beam spread        | 75°                              |
| Optic type outdoor                 | Distribution symmetrical         |

### Operating and Electrical

|  |                               |
|--|-------------------------------|
| Input Voltage                            | 220 to 240 V                  |
| Line Frequency                           | 50 to 60 Hz                   |
| Inrush current                           | 70 A                          |
| Inrush time                              | 0.120 ms                      |
| Power Consumption                        | 21.5 W                        |
| Power Factor (Fraction)                  | 0.88                          |
| Connection                               | Screw connection block 3-pole |
| Cable                                    | -                             |
| Number of products on MCB of 16 A type B | 16                            |

### Temperature

|                           |               |
|---------------------------|---------------|
| Ambient temperature range | -20 to +35 °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         | Acrylate      |
| Optical cover material | Polycarbonate |
| Fixation material      | Steel         |
| Housing Color          | Grey          |

|                          |                             |
|--------------------------|-----------------------------|
| Mounting device          | Post-top for diameter 62 mm |
| Optical cover shape      | Conical flat                |
| Optical cover finish     | Frosted                     |
| Overall height           | 209 mm                      |
| Overall diameter         | 570 mm                      |
| Effective projected area | 0.051 m²                    |
| Parts color              | Spigot raw                  |

### 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) | Luminaire surge protection level until 4 kV differential mode and 4 kV common mode |
| Protection class IEC                   | Safety class I   |

### Initial Performance (IEC Compliant)

|                                       |                      |
|---------------------------------------|----------------------|
| Luminous flux tolerance               | +/-7%                |
| Initial chromaticity                  | (0.43, 0.40) 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 75000 h | 7.5 % |
| Lumen maintenance at median useful life* 75000 h        | L80   |

### Application Conditions

|                                    |                |
|------------------------------------|----------------|
| Performance ambient temperature Tq | 25 °C          |
| Maximum dim level                  | Not applicable |

### Product Data

|                                 |                                |
|---------------------------------|--------------------------------|
| Order product name              | BDP001 ECO20/830 DS PCF GR 62P |
| Full product name               | BDP001 ECO20/830 DS PCF GR 62P |
| Full product code               | 871829191044200                |
| Order code                      | 91044200                       |
| Material Nr. (12NC)             | 910500991105                   |
| Numerator - Quantity Per Pack   | 1                              |
| EAN/UPC - Product/Case          | 8718291910442                  |
| Numerator - Packs per outer box | 1                              |
| EAN/UPC - Case                  | 8718291910442                  |

Dimensional drawing

