



# **TownGuide Performer**

## BDP100 LED70/830 DW PCF SI CLO 62P

TOWNGUIDE PERF FLAT CONE, LED module 7000 lm, Distribution wide, Polycarbonate bowl/cover frosted, Constant light output, Post-top for diameter 62 mm

The TownGuide Performer family consists of six recognizable, yet modern shapes: Flat Cone, Bowl, Classic Cone, Classic T, T and Tzero. Each luminaire has the option of a clear (PCC), translucent (PCTR) or frosted (PCF) bowl (except Tzero, which is only available with a clear bowl). With an extensive range of lumen packages, neutral white or warm white LED lights sources, and a range of dedicated optics for lower mounting heights, it's easy to select the version that best suits the specific requirements of your project. All this combined with a long life expectancy of 100,000 operating hours. In addition, TownGuide Performer has a variety of control system options that can make this luminaire an integral part of smart energyreduction programs. This includes LumiStep, DynaDimmer, and LineSwitch standalone dim control, and Coded Mains group control, right up to seamless remote connectivity with Interact lighting management software. Installation is easy. Thanks to the bayonet whistle connector with integrated gland located in the spigot, there's no need to open the luminaire for installation. The Signify Service tag app offers direct access to all relevant data, ensuring maintenance is easy too. Philips has made every effort to make the Total Cost of Ownership (TCO) of the luminaire as attractive as possible. And as TownGuide Performer is a dedicated LED luminaire, compatible with a variety of control systems, there are significant energy and maintenance cost savings compared with conventional lighting.

#### **Product data**

| General Information      |                            |
|--------------------------|----------------------------|
| Lamp family code         | LED70 [LED module 7000 lm] |
| Light source replaceable | Yes                        |

| Number of gear units | 1 unit |
|----------------------|--------|
| Driver included      | Yes    |
| Photocell            | -      |

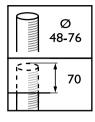
Datasheet, 2023, December 5 data subject to change

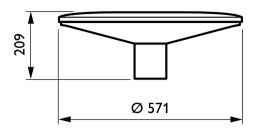
# **TownGuide Performer**

| Light source engine type                 | LED  | Reflector material                         | -   |
|--|--|--|---|
| Service tag                              | Yes  | Optic material                             | Acrylate                                    |
| Product family code                      | BDP100 [TOWNGUIDE PERF FLAT CONE]          | Optical cover material                     | Polycarbonate                               |
| Lighting Technology                      | LED  | Fixation material                          | Steel                                       |
| Value ladder                             | Performance                                | Housing Color                              | Silver                                      |
| Embedded control                         | Constant light output                      | Mounting device                            | Post-top for diameter 62 mm                 |
| CE mark                                  | Yes  | Optical cover shape                        | Conical flat                                |
| Warranty period                          | 5 years                                    | Optical cover finish                       | Frosted                                     |
| Flammability mark                        |  | Overall height                             | 209 mm                                      |
| ENEC mark                                | ENEC mark                                  | Overall diameter                           | 570 mm                                      |
| Glow-wire test                           | Temperature 650 °C, duration 5 s           | Effective projected area                   | 0.051 m <sup>2</sup>                        |
| EU RoHS compliant                        | Yes  | Parts color                                | All parts colored                           |
|  |  |  |   |
| Light Technical                          |  | Approval and Application                   |   |
| Upward light output ratio                | 3  | Ingress protection code                    | IP66 [Dust penetration-protected, jet-      |
| Luminous Flux                            | 3,456 lm                                   |  | proof]                                      |
| Standard tilt angle posttop              | 0°   | Mech. impact protection code               | IK10 [20 J vandal-resistant]                |
| Standard tilt angle side entry           | -  | Surge Protection (Common/Differential)     | Luminaire surge protection level until 6 kV |
| Correlated Color Temperature (Nom)       | 3000 K                                     |  | differential mode and 6 kV common mode      |
| Luminous Efficacy (rated) (Nom)          | 69 lm/W                                    | Protection class IEC                       | Safety class I                              |
| Color rendering index (CRI)              | 80   |  |   |
| Number of light sources                  | 8  | Initial Performance (IEC Compliant)        |   |
| Light source color                       | 830 warm white                             | Luminous flux tolerance                    | +/-7%                                       |
| Optical cover type                       | Polycarbonate bowl/cover frosted           | Initial chromaticity                       | (0.43, 0.40) SDCM <5                        |
| Luminaire light beam spread              | 50° x 70°                                  | Power consumption tolerance                | +/-10%                                      |
| Optic type outdoor                       | Distribution wide                          | Init. Color Rendering Index Tolerance      | +/-2  |
|  |  |  |   |
| Operating and Electrical                 |  | Over Time Performance (IEC Complia         | nt)   |
| Input Voltage                            | 220-240 V                                  | Driver failure rate at 5000 h              | 0.5 %                                       |
| Line Frequency                           | 50 to 60 Hz                                | Control gear failure rate at median useful | 10 %  |
| Initial CLO power consumption            | 50 W                                       | life 100000 h                              |   |
| Average CLO power consumption            | 52 W                                       | Lumen maintenance at median useful life*   | 92  |
| End CLO power consumption                | 54 W                                       | 100000 h                                   |   |
| Inrush current                           | 45 A                                       |  |   |
| Inrush time                              | 0.285 ms                                   | Application Conditions                     |   |
| Power Consumption                        | 54 W                                       | Performance ambient temperature Tq         | 25 °C                                       |
| Power Factor (Fraction)                  | 0.97                                       | Maximum dim level                          | Not applicable                              |
| Connection                               | Screw connection block 5-pole              |  |   |
| Cable                                    | -  | Product Data                               |   |
| Number of products on MCB of 16 A type B | 10   | Order product name                         | BDP100 LED70/830 DW PCF SI CLO 62P          |
|  |  | Full product name                          | BDP100 LED70/830 DW PCF SI CLO 62P          |
| Temperature                              |  | Full product code                          | 871829191055800                             |
| Ambient temperature range                | -40 to +35 °C                              | Order code                                 | 910500991116                                |
|  |  | Material Nr. (12NC)                        | 910500991116                                |
| Controls and Dimming                     |  | Numerator - Quantity Per Pack              | 1   |
| Dimmable                                 | No   | EAN/UPC - Product/Case                     | 8718291910558                               |
| Driver/power unit/transformer            | Power supply unit regulating with constant | Numerator - Packs per outer box            | 1   |
| Diver/power unit/transformer             | light output                               | EAN/UPC - Case                             | 8718291910558                               |
| Control interface                        | -  |  |   |
| Constant light output                    | <del></del>                                |  |   |
| Constant light output                    | Yes  |  |   |
| Machanical and Housing                   |  |  |   |
| Mechanical and Housing                   | Aluminum                                   |  |   |
| Housing Material                         | Aluminum                                   |  |   |

### **TownGuide Performer**

#### Dimensional drawing







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