



TownGuide Performer

BDP104 LED50/830 DW PCF SI CLO 62P

TOWNGUIDE PERF T, LED module 5000 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 and Tzero. All are available with a clear bowl. Except for Tzero, also a frosted bowl can be chosen. With an extensive range of lumen packages and a choice of light colors and operating lifetimes, it is easy to select the version that best suits your project's specific requirements. In addition, TownGuide Performer has a variety of control system options that can make it an integral part of your smart energy-reduction programs – from stand-alone LumiStep and DynaDimmer, SDU switch-dim control, through to seamless remote connectivity with CityTouch lighting management software. Installation is easy. Thanks to the bayonet whistle connector with integrated gland located in the spigot, the luminaire does not have to be opened at all for installation. 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, the energy and maintenance cost savings compared to conventional lighting are significant.

Product data

| General Information | | Service tag | |
|--------------------------|----------------------------|---------------------|---------------------------|
| Lamp family code | LED50 [LED module 5000 lm] | Product family code | BDP104 [TOWNGUIDE PERF T] |
| Light source replaceable | Yes | Lighting Technology | LED |
| Number of gear units | 1 unit | Value ladder | Performance |
| Driver included | Yes | Embedded control | Constant light output |
| Photocell | - | CE mark | Yes |
| Light source engine type | LED | Warranty period | 5 years |

TownGuide Performer

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|-------------------|----------------------------------|
| Flammability mark | - |
| ENEC mark | ENEC mark |
| Glow-wire test | Temperature 650 °C, duration 5 s |
| EU RoHS compliant | Yes |

Light Technical

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|------------------------------------|----------------------------------|
| Upward light output ratio | 3 |
| Luminous Flux | 2,208 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 | 6 |
| Light source color | 830 warm white |
| Optical cover type | Polycarbonate bowl/cover frosted |
| Luminaire light beam spread | 50° x 70° |
| Optic type outdoor | Distribution wide |

Operating and Electrical

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|--|-------------------------------|
| Input Voltage | 220-240 V |
| Line Frequency | 50 to 60 Hz |
| Initial CLO power consumption | 37 W |
| Average CLO power consumption | 38.5 W |
| End CLO power consumption | 40 W |
| Inrush current | 45 A |
| Inrush time | 0.285 ms |
| Power Consumption | 40 W |
| Power Factor (Fraction) | 0.95 |
| Connection | Screw connection block 5-pole |
| Cable | - |
| Number of products on MCB of 16 A type B | 10 |

Temperature

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|---------------------------|---------------|
| Ambient temperature range | -40 to +35 °C |
|---------------------------|---------------|

Controls and Dimming

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|-------------------------------|---|
| Dimmable | No |
| Driver/power unit/transformer | Power supply unit regulating with constant light output |
| Control interface | - |
| Constant light output | Yes |

Mechanical and Housing

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|------------------------|---------------|
| Housing Material | Aluminum |
| Reflector material | - |
| Optic material | Acrylate |
| Optical cover material | Polycarbonate |

| | |
|--------------------------|-----------------------------|
| Fixation material | Steel |
| Housing Color | Silver |
| Mounting device | Post-top for diameter 62 mm |
| Optical cover shape | Narrow |
| Optical cover finish | Frosted |
| Overall height | 277 mm |
| Overall diameter | 570 mm |
| Effective projected area | 0.053 m² |
| Parts color | All parts colored |

Approval and Application

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| 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 6 kV differential mode and 6 kV common mode |
| Sustainability rating | Lighting for circularity |
| Protection class IEC | Safety class I |

Initial Performance (IEC Compliant)

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|---------------------------------------|----------------------|
| 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)

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|--|-------|
| Driver failure rate at 5000 h | 0.5 % |
| Control gear failure rate at median useful life 100000 h | 10 % |
| Lumen maintenance at median useful life* 100000 h | 91 |

Application Conditions

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

Product Data

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|---------------------------------|------------------------------------|
| Order product name | BDP104 LED50/830 DW PCF SI CLO 62P |
| Full product name | BDP104 LED50/830 DW PCF SI CLO 62P |
| Full product code | 871829191086200 |
| Order code | 91086200 |
| Material Nr. (12NC) | 910500991147 |
| Numerator - Quantity Per Pack | 1 |
| EAN/UPC - Product/Case | 8718291910862 |
| Numerator - Packs per outer box | 1 |
| EAN/UPC - Case | 8718291910862 |

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Dimensional drawing

