



TownGuide Performer

BDP100 LED50/830 DW PCF SI CLO 62P

TownGuide Performer, Urban road & street light, 40 W, 2576 lm, 3000 K, CRI80, Distribution wide, Safety class I, IP66, SRG6-6

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 energy-reduction programs. This includes LumiStep, DynaDimmer, and LineSwitch stand-alone 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. We have 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 | LED50 [LED module 5000 lm] | Light source engine type | LED |
| Light source replaceable | Yes | Service tag | Yes |
| Number of gear units | 1 unit | Lighting Technology | LED |
| Driver included | Yes | Value ladder | Performance |

TownGuide Performer

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|------------------------------------|----------------------|
| Warranty period | 5 years |
| Light Technical | |
| Upward light output ratio | 3 |
| Luminous Flux | 2,576 lm |
| Correlated Color Temperature (Nom) | 3000 K |
| Luminous Efficacy (rated) (Nom) | 70 lm/W |
| Color rendering index (CRI) | 80 |
| Number of light sources | 6 |
| Light source color | 830 warm white |
| Luminaire light beam spread | 50° x 70° |
| Optic type outdoor | Distribution wide |
| Effective projected area | 0.051 m ² |

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 |
| Protection class IEC | Safety class I |
| Surge Protection (Common/Differential) | Surge protection level until 6 kV differential mode and 6 kV common mode |

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 |
| Maximum dim level | Not applicable |
| Embedded control | Constant light output |
| Photocell | - |

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 | Conical flat |
| Optical cover finish | Frosted |

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| Overall length | 570 mm |
| Overall width | 570 mm |
| Overall height | 209 mm |
| Overall diameter | 570 mm |
| Dimensions (Height x Width x Depth) | 209 x 570 x 570 mm |
| Parts color | All parts colored |
| Ingress protection code | IP66 [Dust penetration-protected, jet-proof] |
| Mech. impact protection code | IK10 [20 J vandal-resistant] |
| Standard tilt angle posttop | 0° |
| Standard tilt angle side entry | - |
| Optical cover type | Polycarbonate bowl/cover frosted |
| Net Weight (Piece) | 6.200 kg |

Approval and Application

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|------------------------------------|----------------------------------|
| Glow-wire test | Temperature 650 °C, duration 5 s |
| Flammability mark | - |
| CE mark | Yes |
| ENEC mark | ENEC mark |
| EU RoHS compliant | Yes |
| Performance ambient temperature Tq | 25 °C |
| Ambient temperature range | -40 to +35 °C |

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 |
| Standard Deviation of Colour Matching (McAdam ellipse) | SDCM≤5 |

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 50000 h | 5 % |
| Control gear failure rate at median useful life 100000 h | 10 % |
| Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 50000 h | L96 |
| Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 100000 h | L91 |

Sustainability Data

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| Sustainability rating | Unclassified |
| Embedded carbon (A1-A3) | 138 kg CO ₂ e |
| Product non-virgin material ratio | 6.77 % |
| Recyclable content ratio of the finished product | 37.7 % |
| GWP total B6 (kg CO ₂ eq) Declared Unit | Please calculate using your local energy mix value: Power Declared Unit (kW) * Service life (hrs) Declared Unit * Energy mix (kg CO ₂ eq / kWh) |

TownGuide Performer

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| GWP total B6 (kg CO2eq) Functional Unit | Please calculate using your local energy mix value: Power Declared Unit (kW) * 1000 (lm) / lumen output (lm) Declared Unit * 35000 (hrs) * Energy mix (kg CO2 eq / kwh) |
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Product Data

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|---------------------------|------------------------------------|
| Order product name | BDP100 LED50/830 DW PCF SI CLO 62P |
| Full product name | BDP100 LED50/830 DW PCF SI CLO 62P |

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|--|-----------------------------------|
| Full product code | 871829191054100 |
| Order code | 91054100 |
| Material Nr. (12NC) | 910500991115 |
| Numerator - Quantity Per Pack | 1 |
| EAN/UPC - Product/Case | 8718291910541 |
| Numerator - Packs per outer box | 1 |
| EAN/UPC - Case | 8718291910541 |
| Product family code | BDP100 [TOWNGUIDE PERF FLAT CONE] |

Dimensional drawing

