

TownGuide Performer

BDP102 LED20/830 II DW PCF SI 62P

TOWNGUIDE PERF CLASSIC CONE, LED Module 2000 lm, Distribution wide, Polycarbonate bowl/cover frosted, 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 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. 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	LED20 [LED Module 2000 lm]
Light source replaceable	Yes

Number of gear units	1 unit
Driver included	Yes
Photocell	-

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Light source engine type	LED
Service tag	Yes
Product family code	BDP102 [TOWNGUIDE PERF CLASSIC CONE]
Lighting Technology	LED
Value ladder	Performance
Embedded control	-
CE mark	Yes
Warranty period	5 years
Flammability mark	-
ENEC mark	ENEC mark
Glow-wire test	Temperature 650 °C, duration 5 s
EU RoHS compliant	Yes
Serviceability class	Class A, luminaire is equipped with serviceable parts (when applicable): LED board, driver, control units, surge protection device, optics, front cover and mechanical parts

Light Technical

Upward light output ratio	10
Luminous Flux	1,160 lm
Standard tilt angle posttop	0°
Standard tilt angle side entry	-
Correlated Color Temperature (Nom)	3000 K
Luminous Efficacy (rated) (Nom)	73 lm/W
Color rendering index (CRI)	80
Number of light sources	4
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

Input Voltage	220-240 V
Line Frequency	50 to 60 Hz
Inrush current	22 A
Inrush time	0.29 ms
Power Consumption	15.8 W
Power Factor (Fraction)	0.94
Connection	Screw connection block 5-pole
Cable	-
Number of products on MCB of 16 A type B	26

Temperature

Ambient temperature range	-40 to +35 °C

Controls and Dimming

Dimmable	No
Driver/power unit/transformer	Power supply unit regulating
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	Silver
Mounting device	Post-top for diameter 62 mm
Optical cover shape	Conical
Optical cover finish	Frosted
Overall length	570 mm
Overall width	570 mm
Overall height	317 mm
Overall diameter	570 mm
Effective projected area	0.088 m²
Dimensions (Height x Width x Depth)	317 x 570 x 570 mm
Parts color	All parts colored

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

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)

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	98

Application Conditions

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

Product Data

Order product name	BDP102 LED20/830 II DW PCF SI 62P
Full product name	BDP102 LED20/830 II DW PCF SI 62P
Full product code	871869632055600
Order code	910500991221
Material Nr. (12NC)	910500991221
Numerator - Quantity Per Pack	1

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EAN/UPC - Product/Case	8718696320556
Numerator - Packs per outer box	1
EAN/UPC - Case	8718696320556

Dimensional drawing

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