TownGuide Performer

BDP100 LED70/830 II DS PCF GR 62P

BDP100 | TOWNGUIDE PERF FLAT CONE – LED70 | LED module 7000 lm – 830 warm white – Safety class II – Distribution symmetrical – 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		Light source replaceable	Yes
Lamp family code	LED70 [LED module 7000 lm]	Number of gear units	1 unit

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Driver included	Yes
Light source engine type	LED
Service tag	Yes
Product family code	BDP100 [TOWNGUIDE PERF FLAT CONE]
Lighting Technology	LED
Value ladder	Performance

Light Technical

Upward light output ratio	3
Luminous Flux	3,780 lumen
Standard tilt angle posttop	0°
Standard tilt angle side entry	–
Correlated Color Temperature (Nom)	3000 K
Luminous Efficacy (rated) (Nom)	68 lm/W
Color rendering index (CRI)	80
Light source color	830 warm white
Optical cover/lens type	Polycarbonate bowl/cover frosted
Luminaire light beam spread	75°
Optic type outdoor	Distribution symmetrical

Operating and Electrical

Input Voltage	220-240 V
Line Frequency	50 to 60 Hz
Input Frequency	50 to 60 Hz
Power Consumption	56 W
Inrush current	45 A
Inrush time	0.285 ms
Power Factor (Fraction)	0.97
Connection	Screw connection block 5-pole
Cable	–
Number of products on MCB of 16 A type B	10

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/lens material	Polycarbonate
Fixation material	Steel
Housing Color	Gray
Mounting device	Post-top for diameter 62 mm

Optical cover/lens shape	Conical flat
Optical cover/lens finish	Frosted
Overall height	209 mm
Overall diameter	570 mm
Effective projected area	0.051 m²

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	–
Protection class IEC	Safety class II
Flammability mark	–
CE mark	Yes
ENEC mark	ENEC mark
Warranty period	5 years
EU RoHS compliant	Yes

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	92

Application Conditions

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

Product Data

Full product code	871829190995800
Order product name	BDP100 LED70/830 II DS PCF GR 62P
Order code	910925866297
Numerator – Quantity Per Pack	1
Numerator – Packs per outer box	1
Material number (12NC)	910925866297
Full product name	BDP100 LED70/830 II DS PCF GR 62P
EAN/UPC – Case	8718291909958

IP66

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Dimensional drawing

www.lighting.philips.com

2023, May 16 – data subject to change