



TownGuide Performer

BDP102 LED50/830 II DS PCF SI CLO-DDF1 6

BDP102 | TOWNGUIDE PERF CLASSIC CONE - LED50 | LED module 5000 lm - Distribution symmetrical - Polycarbonate bowl/cover frosted

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	BDP102 [TOWNGUIDE PERF CLASSIC CONE]
Light source replaceable	Yes	Lighting Technology	LED
Number of gear units	1 unit	Value ladder	Performance
Driver included	Yes		
Photocell	-		
Light source engine type	LED		

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Embedded control	Constant light output and DynaDimmer fixed presets version 1
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Light Technical

Upward light output ratio	10
Luminous Flux	1,900 lumen
Standard tilt angle posttop	0°
Standard tilt angle side entry	-
Correlated Color Temperature (Nom)	3000 K
Luminous Efficacy (rated) (Nom)	62 lm/W
Color rendering index (CRI)	80
Number of light sources	4
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
Initial CLO power consumption	30.5 W
Average CLO power consumption	31.5 W
Power Consumption	32.5 W
End CLO power consumption	32.5 W
Inrush current	45 A
Inrush time	0.285 ms
Power Factor (Fraction)	0.95
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
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Controls and Dimming

Dimmable	Yes
Driver/power unit/transformer	Power supply unit with DynaDimmer and constant light output (integrated)
Control interface	-
Constant light output	Yes

Mechanical and Housing

Housing Material	Aluminum
Reflector material	-
Optic material	Acrylate
Optical cover/lens material	Polycarbonate
Fixation material	Steel
Housing Color	Silver
Mounting device	Post-top for diameter 62 mm
Optical cover/lens shape	Conical

Optical cover/lens finish	Frosted
Overall height	317 mm
Overall diameter	570 mm
Effective projected area	0.088 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
Glow-wire test	Temperature 650 °C, duration 5 s
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	91

Application Conditions

Performance ambient temperature Tq	25 °C
Maximum dim level	50%

Product Data

Full product code	871829190622300
Order product name	BDP102 LED50/830 II DS PCF SI CLO-DDF1 6
Order code	90622300
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	1
Material number (12NC)	910500991023
Full product name	BDP102 LED50/830 II DS PCF SI CLO-DDF1 6
EAN/UPC - Case	8718291906223



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Dimensional drawing

