



TownGuide Performer

BDP100 LED50/830 II DS PCF SI CLO-LS-6 6

TOWNGUIDE PERF FLAT CONE - 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			
Number of light sources	6 [6 pcs]	Driver included	Yes
Lamp family code	LED50 [LED module 5000 lm]	Optical cover/lens type	PCF [Polycarbonate bowl/cover frosted]
Light source colour	830 warm white	Luminaire light beam spread	75°
Light source replaceable	Yes	Embedded control	CLO-LS-6 [Constant light output and LumiStep dimming 6 hours]
Number of gear units	1 unit	Control interface	-
Driver/power unit/transformer	PSDD-CLO [Power supply unit with DynaDimmer and constant light output (integrated)]	Light regulation	Dimming via DynaDimmer integrated in ballast or driver
		Connection	Screw connection block 5-pole

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Cable	-
Protection class IEC	Safety class II (II)
Parts colour	All parts colored
Coating	-
Glow-wire test	650/5 [Temperature 650 °C, duration 5 s]
Flammability mark	NO [-]
Safety device	PCBC [PCB cover]
CE mark	CE mark
ENEC mark	ENEC mark
Warranty period	5 years
Optic type outdoor	Distribution symmetrical
Photocell	No [-]
Constant light output	Yes
Number of products on MCB (16 A type B)	10
EU RoHS compliant	Yes
WEEE mark	-
Light source engine type	LED
Serviceability class	Class A, the luminaire is equipped with serviceable parts (when applicable): LED board, driver, control units, surge-protection device, optics, front cover and mechanical parts
Product family code	BDP100 [TOWNGUIDE PERF FLAT CONE]

Light Technical

Upward light output ratio	3
Standard tilt angle post-top	0°
Standard tilt angle side entry	-

Operating and Electrical

Input Voltage	220-240 V
Input frequency	50 to 60 Hz
Initial CLO power consumption	30.5 W
Average CLO power consumption	31.5 W
End CLO power consumption	32.5 W
Inrush current	45 A
Inrush time	0.285 ms
Power factor (min.)	0.94
Power factor (nom.)	0.87

Controls and Dimming

Dimmable	Yes
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Mechanical and Housing

Housing material	Aluminum
Reflector material	-
Optic material	Acrylate
Optical cover/lens material	Polycarbonate
Fixation material	Steel

Mounting device	62P [Post-top for diameter 62 mm]
Optical cover/lens shape	Conical flat
Optical cover/lens finish	Frosted
Torque	15
Overall height	209 mm
Overall diameter	570 mm
Effective projected area	0.051 m ²
Colour	Silver
Dimensions (height x width x depth)	209 x NaN x NaN mm (8.2 x NaN x NaN in)

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 up to 6 kV differential mode and 6 kV common mode

Initial Performance (IEC Compliant)

Initial luminous flux (system flux)	1862 lm
Luminous flux tolerance	+/-7%
Initial LED luminaire efficacy	61 lm/W
Init. Corr. Colour Temperature	3000 K
Init. Colour rendering index	80
Initial chromaticity	(0.43, 0.40) SDCM <5
Initial input power	32.5 W
Power consumption tolerance	+/-10%
Init. colour rendering index tolerance	+/-2

Over Time Performance (IEC Compliant)

Control gear failure rate at median useful life 100,000 h	10 %
Lumen maintenance at median useful life* 100,000 h	91

Application Conditions

Ambient temperature range	-40 to +35 °C
Performance ambient temperature Tq	25 °C
Maximum dimming level	50%

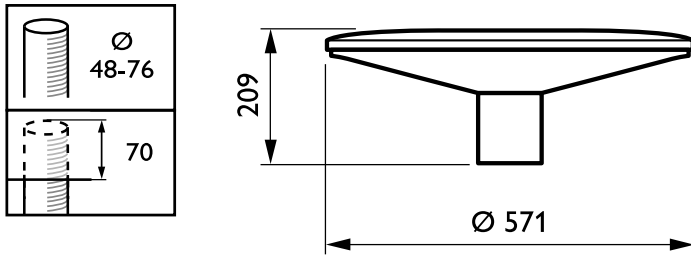
Product Data

Full product code	871829190610000
Order product name	BDP100 LED50/830 II DS PCF SI CLO-LS-6 6
EAN/UPC – product	8718291906100
Order code	90610000
SAP numerator – quantity per pack	1
Numerator – packs per outer box	1
SAP material	910500991011
SAP net weight (piece)	6.380 kg



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Dimensional drawing



TownGuide Performer BDP100-105

