



TownGuide Performer

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

TownGuide Performer, Urban road & street light, 32.5 W, 1862 lm, 3000 K, CRI80, Distribution symmetrical, Safety class II, IP66, SRG6-6

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		Lighting Technology	LED
Lamp family code	LED50 [LED module 5000 lm]	Value ladder	Performance
Light source replaceable	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
Number of gear units	1 unit		
Driver included	Yes		
Light source engine type	LED		
Service tag	Yes		

TownGuide Performer

Warranty period	5 years
Sustainability rating	Unclassified

Light Technical

Upward light output ratio	3
Luminous Flux	1,862 lm
Correlated Color Temperature (Nom)	3000 K
Luminous Efficacy (rated) (Nom)	61 lm/W
Color rendering index (CRI)	80
Number of light sources	6
Light source color	830 warm white
Luminaire light beam spread	75°
Optic type outdoor	Distribution symmetrical
Effective projected area	0.051 m ²

Sustainability Data

Embedded carbon (A1-A3)	138 kg CO ₂ e
Recyclable content ratio of the finished product	37.7 %
Product non-virgin material ratio	6.77 %
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)
GWP total B6 (kg CO ₂ eq) 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 CO ₂ eq / kwh)

Operating and Electrical

Input Voltage	220-240 V
Line 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 Consumption	32.5 W
Power Factor (Fraction)	0.94
Connection	Screw connection block 5-pole
Cable	-
Number of products on MCB of 16 A type B	10
Protection class IEC	Safety class II
Surge Protection (Common/Differential)	Surge protection level until 6 kV differential mode and 6 kV common mode

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

Maximum dim level	50%
Embedded control	Constant light output and LumiStep dimming 6 hours

Photocell	-
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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 flat
Optical cover finish	Frosted
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

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)

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)

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 %

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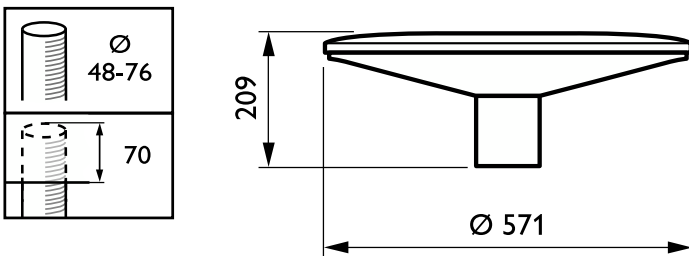
Lumen maintenance (EN-IEC 62722-2-1) at L96
median useful life* 50000 h
Lumen maintenance (EN-IEC 62722-2-1) at L91
median useful life* 100000 h

Product Data

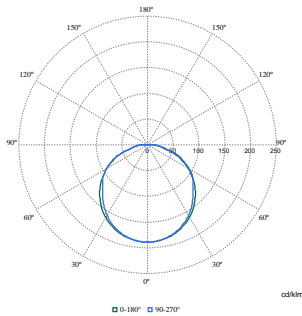
Order product name	BDP100 LED50/830 II DS PCF SI CLO-LS-6
	6
Full product name	BDP100 LED50/830 II DS PCF SI CLO-LS-6
	6

Full product code	871829190610000
Order code	90610000
Material Nr. (12NC)	910500991011
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718291906100
Numerator - Packs per outer box	1
EAN/UPC - Case	8718291906100
Product family code	BDP100 [TOWNGUIDE PERF FLAT CONE]

Dimensional drawing



Photometric data



Polar Normal (separate) - BDP100I - 910500991078

