



# TownGuide Performer

## BDP100 LED70/730 II DS PCC GR 62P

TownGuide Performer, Urban road & street light, 49.5 W, 5250 lm, 3000 K, CRI70, 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, 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. We have 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		Number of gear units	
Lamp family code	LED70 [LED module 7000 lm]	Driver included	Yes
Light source replaceable	Yes	Light source engine type	LED

# TownGuide Performer

Service tag	Yes
Lighting Technology	LED
Value ladder	Performance
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
Warranty period	5 years
Sustainability rating	Unclassified

## Light Technical

Upward light output ratio	3
Luminous Flux	5,250 lm
Correlated Color Temperature (Nom)	3000 K
Luminous Efficacy (rated) (Nom)	106 lm/W
Color rendering index (CRI)	70
Light source color	730 warm white
Luminaire light beam spread	50° x 70°
Optic type outdoor	Distribution symmetrical
Effective projected area	0.051 m <sup>2</sup>

## Sustainability Data

Embedded carbon (A1-A3)	138 kg CO <sub>2</sub> e
Recyclable content ratio of the finished product	37.7 %
Product non-virgin material ratio	6.77 %
GWP total B6 (kg CO <sub>2</sub> eq) Declared Unit	Please calculate using your local energy mix value: Power Declared Unit (kW) * Service life (hrs) Declared Unit * Energy mix (kg CO <sub>2</sub> eq / kwh)
GWP total B6 (kg CO <sub>2</sub> 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 <sub>2</sub> eq / kwh)

## Operating and Electrical

Input Voltage	220-240 V
Line Frequency	50 to 60 Hz
Inrush current	45 A
Inrush time	0.285 ms
Power Consumption	49.5 W
Power Factor (Fraction)	0.93
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	No
Driver/power unit/transformer	Power supply unit regulating
Control interface	-
Constant light output	No
Maximum dim level	Not applicable

## Mechanical and Housing

Housing Material	Aluminum
Reflector material	-
Optic material	Acrylate
Optical cover material	Polycarbonate
Fixation material	Steel
Housing Color	Gray
Mounting device	Post-top for diameter 62 mm
Optical cover shape	Conical flat
Optical cover finish	Clear
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
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)	6.480 kg

## Approval and Application

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)

Control gear failure rate at median useful life 50000 h	5 %
Control gear failure rate at median useful life 100000 h	10 %
Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 50000 h	L97

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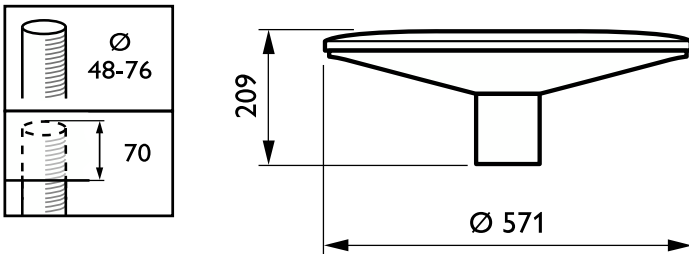
Lumen maintenance (EN-IEC 62722-2-1) L93  
at median useful life\* 100000 h

## Product Data

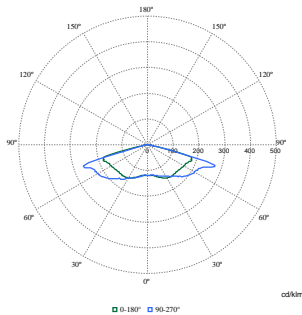
Order product name	BDP100 LED70/730 II DS PCC GR 62P
Full product name	BDP100 LED70/730 II DS PCC GR 62P
Full product code	871951418189200
Order code	910925868066

Material Nr. (12NC)	910925868066
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8719514181892
Numerator - Packs per outer box	1
EAN/UPC - Case	8719514181892
Product family code	BDP100 [TOWNGUIDE PERF FLAT CONE]

## Dimensional drawing



## Photometric data



Polar Normal (separate) - BDP100I - 910925868114

