# Lighting

**PHILIPS** 



## **TownGuide Performer**

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

#### TOWNGUIDE PERF CLASSIC 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, 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 energyreduction programs. This includes LumiStep, DynaDimmer, and LineSwitch standalone 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	
Lamp family code	LED50 [LED module 5000 lm]
Light source replaceable	Yes
Number of gear units	1 unit
Driver included	Yes
	105

Photocell	-
Light source engine type	LED
Service tag	Yes
Product family code	BDP102 [TOWNGUIDE PERF CLASSIC
	CONE]

#### **TownGuide Performer**

Lighting Technology	
Lighting Technology Value ladder	LED
	Performance
Embedded control	Constant light output and DynaDimmer
CE mark	fixed presets version 1
	Yes
Warranty period	5 years
Flammability mark	-
ENEC mark	ENEC mark
Glow-wire test	Temperature 650 °C, duration 5 s
EU RoHS compliant	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
Light Technical	
Upward light output ratio	10
Luminous Flux	1,900 lm
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 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
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)	0.95
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
Controls and Dimming	
Dimmable	Yes
Driver/power unit/transformer	Power supply unit with DynaDimmer and
	constant light output (integrated)

Constant light outputYesMechanical and HousingHousing MaterialAluminumReflector material-Optic materialAcrylateOptic materialSteelHousing ColorSilverMounting devicePost-top for diameter 62 mmOptical cover shapeConicalOptral cover finishFrostedOverall width570 mmOverall diameter570 mmOverall diameter570 mmOverall diameter570 mmOverall diameter570 mmParts colorAll parts coloredIffective projected area0.088 m²Ometain of theight x Width x Depth)317 x 570 x 570 mmParts colorAll parts coloredApproval and ApplicationInferential mode and 6 kV common modeSustainability ratingLighting for circularityProtection class IECSafety class IISustainability ratingLighting for circularityProtection class IECSafety class IIInitial Performance (IEC Compliant)Initial mode and 6 kV common modeSustainability ratingLighting for circularityProver onsumption tolerance+/-7%Initial Corre Rendering Index Tolerance+/-2Over Time Performance (IEC Compliant)Initic corre Rendering Index ToleranceThe Performance at median useful IIfe*91100000 hS%Control gear failure rate at median useful IIfe*91100000 hSimePerformance at median useful IIfe*91 <t< th=""><th></th><th></th></t<>		
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Sustainability ratingLighting for circularityProtection class IECSafety class IIInitial Performance (IEC Compliant)Initial Performance (IEC Compliant)Luminous flux tolerance+/-7%Initial chromaticity(0.43, 0.40) SDCM <5	Surge Protection (Common/Differential)	Luminaire surge protection level until 6 kV
Protection class IEC       Safety class II         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         Driver failure rate at 5000 h       0.5 %         Control gear failure rate at median useful       10 %         Lumen maintenance at median useful life*       91         100000 h		differential mode and 6 kV common mode
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)       0.5 %         Driver failure rate at 5000 h       0.5 %         Control gear failure rate at median useful       10 %         life 100000 h       10 %         Lumen maintenance at median useful life*       91         100000 h       91         Performance ambient temperature Tq       25 °C         Maximum dim level       50%         Product Data       DPI02 LED50/830 II DS PCF SI CLO-DDF1 6         Full product name       BDP102 LED50/830 II DS PCF SI CLO-DDF1 6	Sustainability rating	Lighting for circularity
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       10 %         Life 100000 h          Lumen maintenance at median useful life*       91         100000 h          Application Conditions          Performance ambient temperature Tq       25 °C         Maximum dim level       50%         Product Data         Order product name       BDP102 LED50/830 II DS PCF SI CLO-DDF1 6         Full product name       BDP102 LED50/830 II DS PCF SI CLO-DDF1 6	Protection class IEC	Safety class II
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       10 %         Life 100000 h          Lumen maintenance at median useful life*       91         100000 h          Application Conditions          Performance ambient temperature Tq       25 °C         Maximum dim level       50%         Product Data         Order product name       BDP102 LED50/830 II DS PCF SI CLO-DDF1 6         Full product name       BDP102 LED50/830 II DS PCF SI CLO-DDF1 6		
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         Driver failure rate at 5000 h       0.5 %         Control gear failure rate at median useful       10 %         Life 100000 h       10 %         Lumen maintenance at median useful life*       91         100000 h	Initial Performance (IEC Compliant)	
Power consumption tolerance       +/-10%         Init. Color Rendering Index Tolerance       +/-2         Over Time Performance (IEC Compliant)       Driver failure rate at 5000 h         Driver failure rate at 5000 h       0.5 %         Control gear failure rate at median useful       10 %         life 100000 h       10 %         Lumen maintenance at median useful life*       91         100000 h       91         Application Conditions       91         Performance ambient temperature Tq       25 °C         Maximum dim level       50%         Product Data       Dorler product name         BDP102 LED50/830 II DS PCF SI CLO-DDF1 6         Full product name       BDP102 LED50/830 II DS PCF SI CLO-DDF1 6	Luminous flux tolerance	+/-7%
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       10 %         life 100000 h       10 %         Lumen maintenance at median useful life*       91         100000 h       91         Application Conditions       91         Performance ambient temperature Tq       25 °C         Maximum dim level       50%         Product Data       DP102 LED50/830 II DS PCF SI CLO-DDF1 6         Full product name       BDP102 LED50/830 II DS PCF SI CLO-DDF1 6	Initial chromaticity	(0.43, 0.40) SDCM <5
Over Time Performance (IEC Compliant)         Driver failure rate at 5000 h       0.5 %         Control gear failure rate at median useful       10 %         life 100000 h       10 %         Lumen maintenance at median useful life*       91         100000 h       91         Application Conditions       91         Performance ambient temperature Tq       25 °C         Maximum dim level       50%         Product Data         Order product name       BDP102 LED50/830 II DS PCF SI CLO-DDF1 6         Full product name       BDP102 LED50/830 II DS PCF SI CLO-DDF1 6	Power consumption tolerance	+/-10%
Driver failure rate at 5000 h       0.5 %         Control gear failure rate at median useful       10 %         life 100000 h       91         Lumen maintenance at median useful life*       91         100000 h       25 °C         Application Conditions       50%         Performance ambient temperature Tq       25 °C         Maximum dim level       50%         Droduct Data         Order product name       BDP102 LED50/830 II DS PCF SI CLO- DDF1 6         Full product name       BDP102 LED50/830 II DS PCF SI CLO- DDF1 6	Init. Color Rendering Index Tolerance	+/-2
Driver failure rate at 5000 h       0.5 %         Control gear failure rate at median useful       10 %         life 100000 h       91         Lumen maintenance at median useful life*       91         100000 h       25 °C         Application Conditions       50%         Performance ambient temperature Tq       25 °C         Maximum dim level       50%         Droduct Data         Order product name       BDP102 LED50/830 II DS PCF SI CLO- DDF1 6         Full product name       BDP102 LED50/830 II DS PCF SI CLO- DDF1 6		
Control gear failure rate at median useful       10 %         life 100000 h       91         Lumen maintenance at median useful life*       91         100000 h       25 °C         Application Conditions       25 °C         Performance ambient temperature Tq       25 °C         Maximum dim level       50%         Product Data         Order product name       BDP102 LED50/830 II DS PCF SI CLO- DDF1 6         Full product name       BDP102 LED50/830 II DS PCF SI CLO- DDF1 6	Over Time Performance (IEC Complia	nt)
Life 100000 h         Lumen maintenance at median useful life*       91         100000 h	Driver failure rate at 5000 h	0.5 %
Lumen maintenance at median useful life* 91 100000 h Application Conditions Performance ambient temperature Tq 25 °C Maximum dim level 50% Product Data Order product name BDP102 LED50/830 II DS PCF SI CLO- DDF1 6 Full product name BDP102 LED50/830 II DS PCF SI CLO- DDF1 6	Control gear failure rate at median useful	10 %
100000 h Application Conditions Performance ambient temperature Tq 25 °C Maximum dim level 50% Product Data Order product name BDP102 LED50/830 II DS PCF SI CLO- DDF1 6 Full product name BDP102 LED50/830 II DS PCF SI CLO- DDF1 6	life 100000 h	
Application Conditions         Performance ambient temperature Tq       25 °C         Maximum dim level       50%         Product Data         Order product name       BDP102 LED50/830 II DS PCF SI CLO- DDF1 6         Full product name       BDP102 LED50/830 II DS PCF SI CLO- DDF1 6	Lumen maintenance at median useful life*	91
Performance ambient temperature Tq       25 °C         Maximum dim level       50%         Product Data	100000 h	
Performance ambient temperature Tq       25 °C         Maximum dim level       50%         Product Data		
Maximum dim level     50%       Product Data     50%       Order product name     BDP102 LED50/830 II DS PCF SI CLO- DDF1 6       Full product name     BDP102 LED50/830 II DS PCF SI CLO- DDF1 6	Application Conditions	
Product Data         Order product name       BDP102 LED50/830 II DS PCF SI CLO-         DDF1 6         Full product name       BDP102 LED50/830 II DS PCF SI CLO-         DDF1 6	Performance ambient temperature Tq	25 ℃
Order product name     BDP102 LED50/830 II DS PCF SI CLO- DDF1 6       Full product name     BDP102 LED50/830 II DS PCF SI CLO- DDF1 6	Maximum dim level	50%
Order product name     BDP102 LED50/830 II DS PCF SI CLO- DDF1 6       Full product name     BDP102 LED50/830 II DS PCF SI CLO- DDF1 6		
DDF1 6           Full product name         BDP102 LED50/830 II DS PCF SI CLO-           DDF1 6	Product Data	
Full product name     BDP102 LED50/830 II DS PCF SI CLO-       DDF1 6	Order product name	BDP102 LED50/830 II DS PCF SI CLO-
DDF1 6		DDF16
DDF1 6	Full product name	BDP102 LED50/830 II DS PCF SI CLO-
Full product code         871829190622300		
	Full product code	871829190622300

#### **TownGuide Performer**

Order code	910500991023
Material Nr. (12NC)	910500991023
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718291906223

Numerator - Packs per outer box	1
EAN/UPC - Case	8718291906223

Dimensional drawing



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