



TownGuide Core

BDP002 ECO50/830 II DS PCF GR 62P

TOWNGUIDE CORE BOWL, LED EconomyLine 5000 lm,
Distribution symmetrical, Polycarbonate bowl/cover frosted,
Post-top for diameter 62 mm

The TownGuide Core family consists of two recognizable yet modern shapes: Flat Cone and Bowl. Both are available with either a clear or frosted bowl. Offering an extensive range of lumen packages and a choice of color temperatures, as well as a long lifetime and comparatively low power consumption, TownGuide Core is a choice that is easily made. TownGuide Core offers quick and easy installation. Thanks to the bayonet whistle connector located in the spigot, the luminaire does not have to be opened at all, saving valuable labor time. In the development of TownGuide Core, Philips has made every effort to ensure the investment required is as low as possible. And as TownGuide Core is a dedicated LED luminaire, the energy cost savings compared to conventional lighting are significant, making it a natural choice to replace HPL lamps, which are banned from 2015 onwards.

Product data

General Information			
Lamp family code	ECO50 [LED EconomyLine 5000 lm]		B10. Therefore, the median useful life (B50) value also represents the B10 value.
Light source replaceable	Yes	Light source engine type	LED
Number of gear units	1 unit	Product family code	BDP002 [TOWNGUIDE CORE BOWL]
Driver included	Yes	Lighting Technology	LED
Photocell	-	Embedded control	-
Remarks	*-Per Lighting Europe guidance paper "Evaluating performance of LED based luminaires - January 2018": statistically there is no relevant difference in lumen maintenance between B50 and for example	CE mark	Yes
		Warranty period	3 years
		Flammability mark	-
		ENEC mark	ENEC mark
		Glow-wire test	Temperature 650 °C, duration 5 s

EU RoHS compliant	No
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Light Technical

Upward light output ratio	0.4
Luminous Flux	3,204 lm
Standard tilt angle posttop	0°
Standard tilt angle side entry	-
Correlated Color Temperature (Nom)	3000 K
Luminous Efficacy (rated) (Nom)	75 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 to 240 V
Line Frequency	50 to 60 Hz
Inrush current	70 A
Inrush time	0.120 ms
Power Consumption	39.2 W
Power Factor (Fraction)	0.96
Connection	Screw connection block 3-pole
Cable	-
Number of products on MCB of 16 A type B	16

Temperature

Ambient temperature range	-20 to +35 °C
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Controls and Dimming

Dimmable	No
Driver/power unit/transformer	Power supply unit (On/Off)
Control interface	-
Constant light output	No

Mechanical and Housing

Housing Material	Aluminum
Reflector material	-
Optic material	Acrylate
Optical cover material	Polycarbonate
Fixation material	Steel
Housing Color	Grey

Mounting device	Post-top for diameter 62 mm
Optical cover shape	Hemispherical flat
Optical cover finish	Frosted
Overall height	293 mm
Overall diameter	570 mm
Effective projected area	0.095 m²
Parts color	Spigot raw

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 4 kV differential mode and 4 kV common mode
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)

Control gear failure rate at median useful life 75000 h	7.5 %
Lumen maintenance at median useful life* 75000 h	L80

Application Conditions

Performance ambient temperature Tq	25 °C
Maximum dim level	Not applicable

Product Data

Order product name	BDP002 ECO50/830 II DS PCF GR 62P
Full product name	BDP002 ECO50/830 II DS PCF GR 62P
Full product code	871829190606300
Order code	90606300
Material Nr. (12NC)	910500991007
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718291906063
Numerator - Packs per outer box	1
EAN/UPC - Case	8718291906063

Dimensional drawing

