PHILIPS Lighting



TownGuide Core

BDP001 ECO20/830 DS PCF GR 62P

TOWNGUIDE CORE FLAT CONE, LED EconomyLine 2000 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	ECO20 [LED EconomyLine 2000 lm]
Light source replaceable	Yes
Number of gear units	1 unit
Driver included	Yes
Photocell	-
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

	B10. Therefore, the median useful life (B50)
	value also represents the B10 value.
Light source engine type	LED
Product family code	BDP001 [TOWNGUIDE CORE FLAT CONE]
Lighting Technology	LED
Embedded control	-
CE mark	Yes
Warranty period	3 years
Flammability mark	-
ENEC mark	ENEC mark
Glow-wire test	Temperature 650 °C, duration 5 s

TownGuide Core

EU RoHS compliant	No
Light Technical	
Upward light output ratio	0.4
Luminous Flux	1,145 lm
Standard tilt angle posttop	0°
Standard tilt angle side entry	-
Correlated Color Temperature (Nom)	3000 K
Luminous Efficacy (rated) (Nom)	60 lm/W
Color rendering index (CRI)	80
Number of light sources	2
Light source color	830 warm white
Optical cover type	Polycarbonate bowl/cover frosted
Luminaire light beam spread	75°
Optic type outdoor	Distribution symmetrical

Mounting device	Post-top for diameter 62 mm
Optical cover shape	Conical flat
Optical cover finish	Frosted
Overall height	209 mm
Overall diameter	570 mm
Effective projected area	0.051 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 I
Initial Performance (IEC Compliant)	

+/-7%

+/-10%

+/-2

(0.43, 0.40) SDCM <5

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	21.5 W
Power Factor (Fraction)	0.88
Connection	Screw connection block 3-pole
Cable	-
New barrier during MCD - 610 A trans	16

Number of products on MCB of 16 A type 16

Temperature

Housing Color

Ambient temperature range

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

Grey

-20 to +35 °C

Application Conditions

Luminous flux tolerance

Power consumption tolerance

Init. Color Rendering Index Tolerance

Over Time Performance (IEC Compliant) Control gear failure rate at median useful 7.5 %

Lumen maintenance at median useful life* L80

Initial chromaticity

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

Product Data

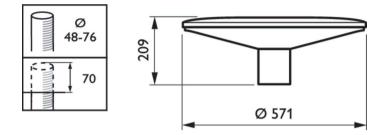
life 75000 h

75000 h

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TownGuide Core

Dimensional drawing





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