



# **TownGuide Core**

## BDP002 ECO20/830 DS PCF GR 62P

TOWNGUIDE CORE BOWL, 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	BDP002 [TOWNGUIDE CORE BOWL]
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

Datasheet, 2023, April 29 data subject to change

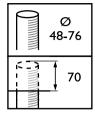
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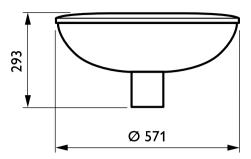
EU RoHS compliant	No	Mounting device	Post-top for diameter 62 mm
		Optical cover shape	Hemispherical flat
Light Technical		Optical cover finish	Frosted
Upward light output ratio	0.4	Overall height	293 mm
Luminous Flux	1,145 lm	Overall diameter	570 mm
Standard tilt angle posttop	O°	Effective projected area	0.095 m²
Standard tilt angle side entry	-	Parts color	Spigot raw
Correlated Color Temperature (Nom)	3000 K		
Luminous Efficacy (rated) (Nom)	60 lm/W	Approval and Application	
Color rendering index (CRI)	80	Ingress protection code	IP66 [Dust penetration-protecte
Number of light sources	2	Mech. impact protection code	IK10 [20 J vandal-resistant]
Light source color	830 warm white	Surge Protection (Common/Differential)	Luminaire surge protection leve
Optical cover type	Polycarbonate bowl/cover frosted		differential mode and 4 kV com
Luminaire light beam spread	75°	Protection class IEC	Safety class I
Optic type outdoor	Distribution symmetrical		
		Initial Performance (IEC Compliant)	
Operating and Electrical		Luminous flux tolerance	+/-7%
Input Voltage	220 to 240 V	Initial chromaticity	(0.43, 0.40) SDCM <5
Line Frequency	50 to 60 Hz	Power consumption tolerance	+/-10%
Inrush current	70 A	Init. Color Rendering Index Tolerance	+/-2
Inrush time	0.120 ms		
Power Consumption	21.5 W	Over Time Performance (IEC Compli	ant)
Power Factor (Fraction)	0.88	Control gear failure rate at median useful	7.5 %
Connection	Screw connection block 3-pole	life 75000 h	
Cable	-	Lumen maintenance at median useful life*	L80
Number of products on MCB of 16 A type	16	75000 h	
В			
		Application Conditions	
Temperature		Performance ambient temperature Tq	25 ℃
Ambient temperature range	-20 to +35 °C	Maximum dim level	Not applicable
		_	
Controls and Dimming		Product Data	
Dimmable	No	Order product name	BDP002 ECO20/830 DS PCF G
Driver/power unit/transformer	Power supply unit (On/Off)	Full product name	BDP002 ECO20/830 DS PCF G
Control interface	-	Full product code	871829191047300
Constant light output	No	Order code	91047300
		Material Nr. (12NC)	910500991108
Mechanical and Housing		Numerator - Quantity Per Pack	1
Housing Material	Aluminum	EAN/UPC - Product/Case	8718291910473
Reflector material	-	Numerator - Packs per outer box	1
Optic material	Acrylate	EAN/UPC - Case	8718291910473
Optical cover material	Polycarbonate	_	
Fixation material	Steel	_	
Housing Color	Grey	_	

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-proo
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)	
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 Compli	•
Over Time Performance (IEC Compli Control gear failure rate at median useful	•
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### **TownGuide Core**

#### Dimensional drawing







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