TownGuide Core

BDP001 ECO40/830 II DW PCC GR 62P

TOWNGUIDE CORE FLAT CONE, LED EconomyLine 4000 lm, Distribution wide, Polycarbonate bowl/cover clear, 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	ECO40 [LED EconomyLine 4000 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

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EU RoHS compliant	No		**Mounting device**	Post-top for diameter 62 mm
			Optical cover shape	Conical flat
Light Technical			**Optical cover finish**	Clear
Upward light output ratio	0.4		**Overall height**	209 mm
Luminous Flux	2,930 lm		**Overall diameter**	570 mm
Standard tilt angle posttop	0°		**Effective projected area**	0.051 m²
Standard tilt angle side entry	–		**Parts color**	Spigot raw
Correlated Color Temperature (Nom)	3000 K			
Luminous Efficacy (rated) (Nom)	75 lm/W		**Approval and Application**	
Color rendering index (CRI)	80		**Ingress protection code**	IP66 [Dust penetration-protected, jet-proof]
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 level until 4 kV
Optical cover type	Polycarbonate bowl/cover clear			differential mode and 4 kV common mode
Luminaire light beam spread	50° x 70°		**Protection class IEC**	Safety class II
Optic type outdoor	Distribution wide			
			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	37 W		**Over Time Performance (IEC Compliant)**	
Power Factor (Fraction)	0.95		**Control gear failure rate at median useful**	7.5 %
Connection	Screw connection block 3-pole		**life 75000 h**	
Cable	–		**Lumen maintenance at median useful**	L80
Number of products on MCB of 16 A type B	16		**life* 75000 h**	
Temperature			**Application Conditions**	
Ambient temperature range	–20 to +35 ℃		**Performance ambient temperature Tq**	25 ℃
			Maximum dim level	Not applicable
Controls and Dimming				
Dimmable	No		**Product Data**	
Driver/power unit/transformer	Power supply unit (On/Off)		**Order product name**	BDP001 ECO40/830 II DW PCC GR 62P
Control interface	–		**Full product name**	BDP001 ECO40/830 II DW PCC GR 62P
Constant light output	No		**Full product code**	871829190601800
			Order code	910500991002
Mechanical and Housing			**Material Nr. (12NC)**	910500991002
Housing Material	Aluminum		**Numerator – Quantity Per Pack**	1
Reflector material	–		**EAN/UPC – Product/Case**	8718291906018
Optic material	Acrylate		**Numerator – Packs per outer box**	1
Optical cover material	Polycarbonate		**EAN/UPC – Case**	8718291906018
Fixation material	Steel			
Housing Color	Grey			

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Dimensional drawing