TownGuide Core

BDP001 ECO40/740 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	3,142 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)	4000 K			
Luminous Efficacy (rated) (Nom)	81 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	840 neutral 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	(0.38, 0.38) 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 life 75000 h	7.5 %
Connection	Screw connection block 3-pole			
Cable	–		Lumen maintenance at median useful life* 75000 h	L80
Number of products on MCB of 16 A type B	16			
			Application Conditions	
Temperature			Performance ambient temperature Tq	25 °C
Ambient temperature range	–20 to +35 °C		Maximum dim level	Not applicable
Controls and Dimming			**Product Data**	
Dimmable	No		Order product name	BDP001 ECO40/740 II DW PCC GR 62P
Driver/power unit/transformer	Power supply unit (On/Off)		Full product name	BDP001 ECO40/740 II DW PCC GR 62P
Control interface	–		Full product code	871829190972900
Constant light output	No		Order code	910500991032
			Material Nr. (12NC)	910500991032
Mechanical and Housing			Numerator – Quantity Per Pack	1
Housing Material	Aluminum		EAN/UPC – Product/Case	8718291909729
Reflector material	–		Numerator – Packs per outer box	1
Optic material	Acrylate		EAN/UPC – Case	8718291909729
Optical cover material	Polycarbonate			
Fixation material	Steel			
Housing Color	Grey			

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Dimensional drawing

Ø 48-76

70

209

Ø 571

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2023, October 9 – data subject to change