



TownGuide Core

BDP001 EC030/830 II DW PCF GR 62P

TOWNGUIDE CORE FLAT CONE, LED EconomyLine 3000 lm, Distribution wide, 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	ECO30 [LED EconomyLine 3000 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	

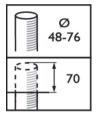
Datasheet, 2023, April 29 data subject to change

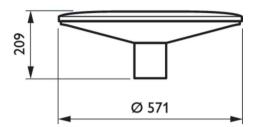
TownGuide Core

EU RoHS compliant	No	Mounting device	Post-top for diameter 62 mm
		Optical cover shape	Conical flat
Light Technical		Optical cover finish	Frosted
Upward light output ratio	0.4	Overall height	209 mm
Luminous Flux	1,759 lm	Overall diameter	570 mm
Standard tilt angle posttop	0°	Effective projected area	0.051 m ²
Standard tilt angle side entry	-	Parts color	Spigot raw
Correlated Color Temperature (Nom)	3000 K		
Luminous Efficacy (rated) (Nom)	67 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 frosted		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	26.9 W	Over Time Performance (IEC Compl	liant)
Dawer Factor (Fraction)	0.01	Control gear failure rate at median useful	1 7.5 %
Power Factor (Fraction)	0.91	control Sear Tantare Tate at Interior about	
Connection	Screw connection block 3-pole	life 75000 h	
		_	L80
Connection	Screw connection block 3-pole	life 75000 h	
Connection Cable	Screw connection block 3-pole	life 75000 h Lumen maintenance at median useful	
Connection Cable Number of products on MCB of 16 A type	Screw connection block 3-pole	life 75000 h Lumen maintenance at median useful	
Connection Cable Number of products on MCB of 16 A type	Screw connection block 3-pole	life 75000 h Lumen maintenance at median useful life* 75000 h	
Connection Cable Number of products on MCB of 16 A type B	Screw connection block 3-pole	life 75000 h Lumen maintenance at median useful life* 75000 h Application Conditions	L80
Connection Cable Number of products on MCB of 16 A type B Temperature	Screw connection block 3-pole - 16	life 75000 h Lumen maintenance at median useful life* 75000 h Application Conditions Performance ambient temperature Tq	L80 25 °C
Connection Cable Number of products on MCB of 16 A type B Temperature	Screw connection block 3-pole - 16	life 75000 h Lumen maintenance at median useful life* 75000 h Application Conditions Performance ambient temperature Tq	L80 25 °C
Connection Cable Number of products on MCB of 16 A type B Temperature Ambient temperature range	Screw connection block 3-pole - 16	life 75000 h Lumen maintenance at median useful life* 75000 h Application Conditions Performance ambient temperature Tq Maximum dim level	L80 25 °C
Connection Cable Number of products on MCB of 16 A type B Temperature Ambient temperature range Controls and Dimming	- Screw connection block 3-pole - 16 -20 to +35 °C	life 75000 h Lumen maintenance at median useful life* 75000 h Application Conditions Performance ambient temperature Tq Maximum dim level Product Data	L80 25 °C Not applicable
Connection Cable Number of products on MCB of 16 A type B Temperature Ambient temperature range Controls and Dimming Dimmable	Screw connection block 3-pole - 16 -20 to +35 °C	life 75000 h Lumen maintenance at median useful life* 75000 h Application Conditions Performance ambient temperature Tq Maximum dim level Product Data Order product name	L80 25 °C Not applicable BDP001 ECO30/830 II DW PCF GR 62P
Connection Cable Number of products on MCB of 16 A type B Temperature Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer	Screw connection block 3-pole - 16 -20 to +35 °C No Power supply unit (On/Off)	life 75000 h Lumen maintenance at median useful life* 75000 h Application Conditions Performance ambient temperature Tq Maximum dim level Product Data Order product name Full product name	25 °C Not applicable BDP001 EC030/830 II DW PCF GR 62P BDP001 EC030/830 II DW PCF GR 62P
Connection Cable Number of products on MCB of 16 A type B Temperature Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer Control interface	Screw connection block 3-pole - 16 -20 to +35 °C No Power supply unit (On/Off) -	life 75000 h Lumen maintenance at median useful life* 75000 h Application Conditions Performance ambient temperature Tq Maximum dim level Product Data Order product name Full product name Full product code	25 °C Not applicable BDP001 EC030/830 II DW PCF GR 62P BDP001 EC030/830 II DW PCF GR 62P 871829190987300
Connection Cable Number of products on MCB of 16 A type B Temperature Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer Control interface	Screw connection block 3-pole - 16 -20 to +35 °C No Power supply unit (On/Off) -	life 75000 h Lumen maintenance at median useful life* 75000 h Application Conditions Performance ambient temperature Tq Maximum dim level Product Data Order product name Full product name Full product code Order code	25 °C Not applicable BDP001 EC030/830 II DW PCF GR 62P BDP001 EC030/830 II DW PCF GR 62P 871829190987300 910500991047
Connection Cable Number of products on MCB of 16 A type B Temperature Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer Control interface Constant light output	Screw connection block 3-pole - 16 -20 to +35 °C No Power supply unit (On/Off) -	life 75000 h Lumen maintenance at median useful life* 75000 h Application Conditions Performance ambient temperature Tq Maximum dim level Product Data Order product name Full product name Full product code Order code Material Nr. (12NC)	25 °C Not applicable BDP001 EC030/830 II DW PCF GR 62P BDP001 EC030/830 II DW PCF GR 62P 871829190987300 910500991047 910500991047
Connection Cable Number of products on MCB of 16 A type B Temperature Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer Control interface Constant light output Mechanical and Housing	Screw connection block 3-pole - 16 -20 to +35 °C No Power supply unit (On/Off) - No	life 75000 h Lumen maintenance at median useful life* 75000 h Application Conditions Performance ambient temperature Tq Maximum dim level Product Data Order product name Full product name Full product code Order code Material Nr. (12NC) Numerator - Quantity Per Pack	25 °C Not applicable BDP001 EC030/830 II DW PCF GR 62P BDP001 EC030/830 II DW PCF GR 62P 871829190987300 910500991047 910500991047 1
Connection Cable Number of products on MCB of 16 A type B Temperature Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer Control interface Constant light output Mechanical and Housing Housing Material	Screw connection block 3-pole - 16 -20 to +35 °C No Power supply unit (On/Off) - No Aluminum	life 75000 h Lumen maintenance at median useful life* 75000 h Application Conditions Performance ambient temperature Tq Maximum dim level Product Data Order product name Full product name Full product code Order code Material Nr. (12NC) Numerator - Quantity Per Pack EAN/UPC - Product/Case	25 °C Not applicable BDP001 EC030/830 II DW PCF GR 62P BDP001 EC030/830 II DW PCF GR 62P 871829190987300 910500991047 910500991047 1 8718291909873
Connection Cable Number of products on MCB of 16 A type B Temperature Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer Control interface Constant light output Mechanical and Housing Housing Material Reflector material	Screw connection block 3-pole - 16 -20 to +35 °C No Power supply unit (On/Off) - No Aluminum -	life 75000 h Lumen maintenance at median useful life* 75000 h Application Conditions Performance ambient temperature Tq Maximum dim level Product Data Order product name Full product name Full product code Order code Material Nr. (12NC) Numerator - Quantity Per Pack EAN/UPC - Product/Case Numerator - Packs per outer box	25 °C Not applicable BDP001 EC030/830 II DW PCF GR 62P BDP001 EC030/830 II DW PCF GR 62P 871829190987300 910500991047 1 8718291909873 1
Connection Cable Number of products on MCB of 16 A type B Temperature Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer Control interface Constant light output Mechanical and Housing Housing Material Reflector material Optic material	Screw connection block 3-pole - 16 -20 to +35 °C No Power supply unit (On/Off) - No Aluminum - Acrylate	life 75000 h Lumen maintenance at median useful life* 75000 h Application Conditions Performance ambient temperature Tq Maximum dim level Product Data Order product name Full product name Full product code Order code Material Nr. (12NC) Numerator - Quantity Per Pack EAN/UPC - Product/Case Numerator - Packs per outer box	25 °C Not applicable BDP001 EC030/830 II DW PCF GR 62P BDP001 EC030/830 II DW PCF GR 62P 871829190987300 910500991047 1 8718291909873 1
Connection Cable Number of products on MCB of 16 A type B Temperature Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer Control interface Constant light output Mechanical and Housing Housing Material Reflector material Optic material Optical cover material	Screw connection block 3-pole - 16 -20 to +35 °C No Power supply unit (On/Off) - No Aluminum - Acrylate Polycarbonate	life 75000 h Lumen maintenance at median useful life* 75000 h Application Conditions Performance ambient temperature Tq Maximum dim level Product Data Order product name Full product name Full product code Order code Material Nr. (12NC) Numerator - Quantity Per Pack EAN/UPC - Product/Case Numerator - Packs per outer box	25 °C Not applicable BDP001 EC030/830 II DW PCF GR 62P BDP001 EC030/830 II DW PCF GR 62P 871829190987300 910500991047 1 8718291909873 1

TownGuide Core

Dimensional drawing







© 2023 Signify Holding All rights reserved. Signify does not give any representation or warranty as to the accuracy or completeness of the information included herein and shall not be liable for any action in reliance thereon. The information presented in this document is not intended as any commercial offer and does not form part of any quotation or contract, unless otherwise agreed by Signify. Philips and the Philips Shield Emblem are registered trademarks of Koninklijke Philips N.V.