



TownGuide Core

BDP001 EC070/740 II DW PCF GR 62P

TOWNGUIDE CORE FLAT CONE, LED EconomyLine 7000 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	ECO70 [LED EconomyLine 7000 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	

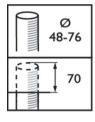
Datasheet, 2023, October 9 data subject to change

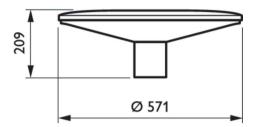
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EU RoHS compliant	No	Mounting device	Post-top for diameter 62 mm
		Optical cover shape	Conical flat
Light Technical		Optical cover finish	Clear
Upward light output ratio	0.4	Overall height	209 mm
Luminous Flux	4,005 lm	Overall diameter	570 mm
Standard tilt angle posttop	O°	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)	74 lm/W	Approval and Application	
Color rendering index (CRI)	80	Ingress protection code	IP66 [Dust penetration-protected, jet-proof]
Number of light sources	4	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 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	(0.38, 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	54.7 W	Over Time Performance (IEC Compl	iant)
Power Factor (Fraction)	0.97	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	16	life* 75000 h	
В			
ь		Application Conditions	
В		Application Conditions	
Temperature		Performance ambient temperature Tq	25 °C
	-20 to +35 °C		25 °C Not applicable
Temperature	-20 to +35 °C	Performance ambient temperature Tq	
Temperature	-20 to +35 °C	Performance ambient temperature Tq	
Temperature Ambient temperature range	-20 to +35 °C	Performance ambient temperature Tq Maximum dim level	
Temperature Ambient temperature range Controls and Dimming		Performance ambient temperature Tq Maximum dim level Product Data	Not applicable
Temperature Ambient temperature range Controls and Dimming Dimmable	No	Performance ambient temperature Tq Maximum dim level Product Data Order product name	Not applicable BDP001 ECO70/740 II DW PCF GR 62P
Temperature Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer	No Power supply unit (On/Off)	Performance ambient temperature Tq Maximum dim level Product Data Order product name Full product name	Not applicable BDP001 ECO70/740 II DW PCF GR 62P BDP001 ECO70/740 II DW PCF GR 62P
Temperature Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer Control interface	No Power supply unit (On/Off) -	Performance ambient temperature Tq Maximum dim level Product Data Order product name Full product name Full product code	Not applicable BDP001 ECO70/740 II DW PCF GR 62P BDP001 ECO70/740 II DW PCF GR 62P 871829190977400
Temperature Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer Control interface	No Power supply unit (On/Off) -	Performance ambient temperature Tq Maximum dim level Product Data Order product name Full product name Full product code Order code	Not applicable BDP001 ECO70/740 II DW PCF GR 62P BDP001 ECO70/740 II DW PCF GR 62P 871829190977400 910500991037
Temperature Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer Control interface Constant light output	No Power supply unit (On/Off) -	Performance ambient temperature Tq Maximum dim level Product Data Order product name Full product name Full product code Order code Material Nr. (12NC)	BDP001 ECO70/740 II DW PCF GR 62P BDP001 ECO70/740 II DW PCF GR 62P 871829190977400 910500991037 910500991037
Temperature Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer Control interface Constant light output Mechanical and Housing	No Power supply unit (On/Off) - No	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	BDP001 ECO70/740 II DW PCF GR 62P BDP001 ECO70/740 II DW PCF GR 62P 871829190977400 910500991037 910500991037
Temperature Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer Control interface Constant light output Mechanical and Housing Housing Material	No Power supply unit (On/Off) - No Aluminum	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	Not applicable BDP001 EC070/740 II DW PCF GR 62P BDP001 EC070/740 II DW PCF GR 62P 871829190977400 910500991037 910500991037 1 8718291909774
Temperature Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer Control interface Constant light output Mechanical and Housing Housing Material Reflector material	No Power supply unit (On/Off) - No Aluminum -	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	BDP001 EC070/740 II DW PCF GR 62P BDP001 EC070/740 II DW PCF GR 62P 871829190977400 910500991037 910500991037 1 8718291909774 1
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	No Power supply unit (On/Off) - No Aluminum - Acrylate	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	BDP001 EC070/740 II DW PCF GR 62P BDP001 EC070/740 II DW PCF GR 62P 871829190977400 910500991037 910500991037 1 8718291909774 1
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	No Power supply unit (On/Off) No Aluminum Acrylate Polycarbonate	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	BDP001 EC070/740 II DW PCF GR 62P BDP001 EC070/740 II DW PCF GR 62P 871829190977400 910500991037 910500991037 1 8718291909774 1

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Dimensional drawing







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