



# **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

Datasheet, 2023, April 29 data subject to change

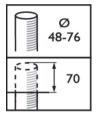
## **TownGuide Core**

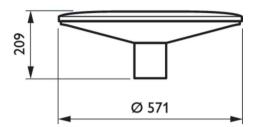
EU RoHS compliant	No	Mounting device	Post-top for diameter 62 mm
		Optical cover shape	Conical flat
Light Technical		Optical cover finish	Clear
Upward light output ratio	0.4	Overall height	209 mm
Luminous Flux	2,930 lm	Overall diameter	570 mm
Standard tilt angle posttop	O°	Effective projected area	0.051 m²
Standard tilt angle side entry	-	Parts color	Spigot raw
Correlated Color Temperature (Nom)	3000 K		
Luminous Efficacy (rated) (Nom)	75 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 clear		differential mode and 4 kV com
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 Compl	liant)
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	16	life* 75000 h	
В			
		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 ECO40/830 II DW PCC
Driver/power unit/transformer	Power supply unit (On/Off)	Full product name	BDP001 ECO40/830 II DW PCC
Control interface	-	Full product code	871829190601800
Constant light output	No	Order code	90601800
		Material Nr. (12NC)	910500991002
Mechanical and Housing		Numerator - Quantity Per Pack	1
Housing Material	Aluminum	EAN/UPC - Product/Case	8718291906018
Reflector material	-	Numerator - Packs per outer box	1
Optic material	Acrylate	EAN/UPC - Case	8718291906018
Optical cover material	Polycarbonate	_	
Fixation material	Steel	_	
Housing Color	Grey	_	

Mounting device	
Optical cover shape	Conical flat
Optical cover finish	Clear
Overall height	209 mm
Overall diameter	570 mm
Effective projected area	0.051 m²
Parts color	Spigot raw
Approval and Application	
Ingress protection code	IP66 [Dust penetration-protected, jet-proof
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 II
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 Compl	iant)
Control gear failure rate at median useful life 75000 h	7.5 %
_	7.5 % L80
life 75000 h	
life 75000 h Lumen maintenance at median useful life* 75000 h	
life 75000 h  Lumen maintenance at median useful life* 75000 h  Application Conditions	L80
life 75000 h  Lumen maintenance at median useful life* 75000 h  Application Conditions  Performance ambient temperature Tq	L80 25 ℃
life 75000 h  Lumen maintenance at median useful life* 75000 h  Application Conditions	L80
life 75000 h  Lumen maintenance at median useful life* 75000 h  Application Conditions  Performance ambient temperature Tq	L80 25 ℃
life 75000 h  Lumen maintenance at median useful life* 75000 h  Application Conditions  Performance ambient temperature Tq  Maximum dim level	L80 25 ℃
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
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 ECO40/830 II DW PCC GR 62P
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	L80  25 °C  Not applicable  BDP001 ECO40/830 II DW PCC GR 62P  BDP001 ECO40/830 II DW PCC GR 62P
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 EC040/830 II DW PCC GR 62P  BDP001 EC040/830 II DW PCC GR 62P  871829190601800
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 ECO40/830 II DW PCC GR 62P  BDP001 ECO40/830 II DW PCC GR 62P  871829190601800  90601800
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 ECO40/830 II DW PCC GR 62P  BDP001 ECO40/830 II DW PCC GR 62P  871829190601800  90601800  910500991002
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 EC040/830 II DW PCC GR 62P  BDP001 EC040/830 II DW PCC GR 62P  871829190601800  90601800  910500991002  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.