



# **TownGuide Core**

# BDP001 EC030/740 DW PCC GR 76P

TOWNGUIDE CORE FLAT CONE, LED EconomyLine 3000 lm, Distribution wide, Polycarbonate bowl/cover clear, Post-top for diameter 76 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 base		
	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	

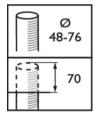
Datasheet, 2023, October 9 data subject to change

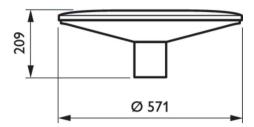
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EU RoHS compliant	No	Mounting device	Post-top for diameter 76 mm
		Optical cover shape	Conical flat
Light Technical		Optical cover finish	Clear
Upward light output ratio	0.4	Overall height	209 mm
Luminous Flux	2,414 lm	Overall diameter	570 mm
Standard 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)	83 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 I
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	26.9 W	Over Time Performance (IEC Compl	iant)
	0.03	Control gear failure rate at median useful	75%
Power Factor (Fraction)	0.92	control Bear rantare rate at meanan aberat	7.5 70
Power Factor (Fraction)  Connection	Screw connection block 3-pole	life 75000 h	7.5 %
			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
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
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
Connection Cable Number of products on MCB of 16 A type B  Temperature Ambient temperature range  Controls and Dimming	- 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	- 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 ECO30/740 DW PCC GR 76P
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	L80  25 °C  Not applicable  BDP001 ECO30/740 DW PCC GR 76P  BDP001 ECO30/740 DW PCC GR 76P
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  Full product code	25 °C  Not applicable  BDP001 ECO30/740 DW PCC GR 76P  BDP001 ECO30/740 DW PCC GR 76P  871829190600100
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	L80  25 °C  Not applicable  BDP001 ECO30/740 DW PCC GR 76P  BDP001 ECO30/740 DW PCC GR 76P  871829190600100  910500991001
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) - 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)	L80  25 °C  Not applicable  BDP001 ECO30/740 DW PCC GR 76P  BDP001 ECO30/740 DW PCC GR 76P  871829190600100  910500991001  910500991001
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) -	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	L80  25 °C  Not applicable  BDP001 EC030/740 DW PCC GR 76P  BDP001 EC030/740 DW PCC GR 76P  871829190600100  910500991001  910500991001  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 EC030/740 DW PCC GR 76P  BDP001 EC030/740 DW PCC GR 76P  871829190600100  910500991001  1  8718291906001
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	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	L80  25 °C  Not applicable  BDP001 ECO30/740 DW PCC GR 76P  BDP001 ECO30/740 DW PCC GR 76P  871829190600100  910500991001  1  8718291906001  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	L80  25 °C  Not applicable  BDP001 ECO30/740 DW PCC GR 76P  BDP001 ECO30/740 DW PCC GR 76P  871829190600100  910500991001  1  8718291906001  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	L80  25 °C  Not applicable  BDP001 ECO30/740 DW PCC GR 76P  BDP001 ECO30/740 DW PCC GR 76P  871829190600100  910500991001  1  8718291906001  1

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### Dimensional drawing







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