PHILIPS Lighting



TownGuide Performer

BDP102 LED40/830 II DW PCC SI CLO-DDF1 6

BDP102 | TOWNGUIDE PERF CLASSIC CONE, LED40 | LED module 4000 lm, Distribution wide, Polycarbonate bowl/cover clear

The TownGuide Performer family consists of six recognizable, yet modern shapes: Flat Cone, Bowl, Classic Cone, Classic T, T and Tzero. Each luminaire has the option of a clear (PCC), translucent (PCTR) or frosted (PCF) bowl (except Tzero, which is only available with a clear bowl). With an extensive range of lumen packages, neutral white or warm white LED lights sources, and a range of dedicated optics for lower mounting heights, it's easy to select the version that best suits the specific requirements of your project. All this combined with a long life expectancy of 100,000 operating hours. In addition, TownGuide Performer has a variety of control system options that can make this luminaire an integral part of smart energyreduction programs. This includes LumiStep, DynaDimmer, and LineSwitch standalone dim control, and Coded Mains group control, right up to seamless remote connectivity with Interact lighting management software. Installation is easy. Thanks to the bayonet whistle connector with integrated gland located in the spigot, there's no need to open the luminaire for installation. The Signify Service tag app offers direct access to all relevant data, ensuring maintenance is easy too. Philips has made every effort to make the Total Cost of Ownership (TCO) of the luminaire as attractive as possible. And as TownGuide Performer is a dedicated LED luminaire, compatible with a variety of control systems, there are significant energy and maintenance cost savings compared with conventional lighting.

Product data

General Information		Number of gear units	1 unit
Lamp family code	LED40 [LED module 4000 lm]	Driver included	Yes
Light source replaceable	Yes	Light source engine type	LED

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Service tag	Yes	
Lighting Technology	LED	
Value ladder	Performance	
Serviceability class	Class A, luminaire is equipped with	
	serviceable parts (when applicable): LED	
	board, driver, control units, surge	
	protection device, optics, front cover and	
	mechanical parts	
Warranty period	5 years	
Sustainability rating	Lighting for circularity	
Light Technical		
Upward light output ratio	3	
Luminous Flux	3,116 lm	
Correlated Color Temperature (Nom)	3000 K	
Luminous Efficacy (rated) (Nom)	102 lm/W	
Color rendering index (CRI)	80	
Number of light sources	4	
Light source color	830 warm white	
Luminaire light beam spread	50° x 70°	
Optic type outdoor	Distribution wide	
Effective projected area	0.088 m ²	
Operating and Electrical		
Input Voltage	220-240 V	
Line Frequency	50 to 60 Hz	
Initial CLO power consumption	30.5 W	
Average CLO power consumption	31.5 W	
End CLO power consumption	32.5 W	
Inrush current	45 A	
Inrush time	0.285 ms	
Power Consumption	32.5 W	
Power Factor (Fraction)	0.94	
Connection	Screw connection block 5-pole	
Cable	-	
Number of products on MCB of 16 A type B	10	
Protection class IEC		
Surge Protection (Common/Differential)	Safety class II	
Surge Protection (Common/Differential)	Luminaire surge protection level until 6 kV differential mode and 6 kV common mode	
	differential mode and 6 kV common mode	
Controls and Dimming		
	Voc	
Dimmable	Yes	
Driver/power unit/transformer	Power supply unit with DynaDimmer and	
	constant light output (integrated)	
Control interface	Programmable (via DALI or NFC) stand-	
	alone dimming	
Constant light output	Yes	
Maximum dim level	50%	
Embedded control	Constant light output and DynaDimmer	
	fixed presets version 1	
Photocell		

Mechanical and Housing		
Housing Material	Aluminum	
Reflector material	-	
Optic material	Acrylate	
Optical cover material	Polycarbonate	
Fixation material	Steel	
Housing Color	Silver	
Mounting device	Post-top for diameter 62 mm	
Optical cover shape	Conical	
Optical cover finish	Clear	
Overall length	570 mm	
Overall width	570 mm	
Overall height	317 mm	
Overall diameter	570 mm	
Dimensions (Height x Width x Depth)	317 x 570 x 570 mm	
Parts color	All parts colored	
Ingress protection code	IP66 [Dust penetration-protected, jet-	
	proof]	
Mech. impact protection code	IK10 [20 J vandal-resistant]	
Standard tilt angle posttop	0°	
Standard tilt angle side entry	-	
Optical cover type	Polycarbonate bowl/cover clear	
Net Weight (Piece)	6.680 kg	
Approval and Application		
Glow-wire test	Temperature 650 °C, duration 5 s	
Flammability mark	-	
CE mark	Yes	
ENEC mark	ENEC mark	
EU RoHS compliant	Yes	
Performance ambient temperature Tq	25 °C	
Ambient temperature range	-40 to +35 °C	
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	
Standard Deviation of Colour Matching	SDCM≤5	
(McAdam ellipse)		

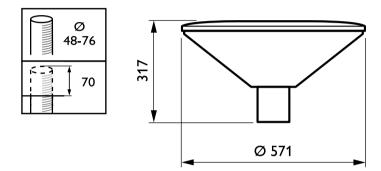
Over Time Performance (IEC Compliant)	
Driver failure rate at 5000 h	0.5 %
Control gear failure rate at median useful	5 %
life 50000 h	
Control gear failure rate at median useful	10 %
life 100000 h	
Lumen maintenance at median useful life*	L97
50000 h	
Lumen maintenance at median useful life*	L94
100000 h	

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Product Data	
Order product name	BDP102 LED40/830 II DW PCC SI CLO-
	DDF1 6
Full product name	BDP102 LED40/830 II DW PCC SI CLO-
	DDF1 6
Full product code	871829190620900
Order code	910500991021
Material Nr. (12NC)	910500991021

Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718291906209
Numerator - Packs per outer box	1
EAN/UPC - Case	8718291906209
Product family code	BDP102 [TOWNGUIDE PERF CLASSIC
	CONE]

Dimensional drawing





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