



TownGuide Performer

BDP103 LED50/830 DW PCF SI CLO 62P

TOWNGUIDE PERF CLASSIC T, LED module 5000 lm, Distribution wide, Polycarbonate bowl/cover frosted, Constant light output, Post-top for diameter 62 mm

The TownGuide Performer family consists of six recognizable yet modern shapes: Flat Cone, Bowl, Classic Cone, Classic, T and Tzero. All are available with a clear bowl. Except for Tzero, also a frosted bowl can be chosen. With an extensive range of lumen packages and a choice of light colors and operating lifetimes, it is easy to select the version that best suits your project's specific requirements. In addition, TownGuide Performer has a variety of control system options that can make it an integral part of your smart energy-reduction programs – from stand-alone LumiStep and DynaDimmer, SDU switch-dim control, through to seamless remote connectivity with CityTouch lighting management software. Installation is easy. Thanks to the bayonet whistle connector with integrated gland located in the spigot, the luminaire does not have to be opened at all for installation. 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, the energy and maintenance cost savings compared to conventional lighting are significant.

Product data

General Information				
Lamp family code	LED50 [LED module 5000 lm]			
Light source replaceable	Yes			
Number of gear units	1 unit			
Driver included	Yes			
Photocell	-			
Light source engine type	LED			

Service tag Yes	
Product family code BDP103 [TOWNGUIDE PERF CLASS	IC T]
Lighting Technology LED	
Value ladder Performance	
Embedded control Constant light output	
CE mark Yes	
Warranty period 5 years	

Datasheet, 2023, April 16 data subject to change

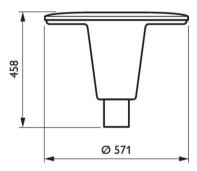
TownGuide Performer

Flammability mark		Fixation material	Steel
ENEC mark	ENEC mark	Housing Color	Silver
Glow-wire test	Temperature 650 °C, duration 5 s	Mounting device	Post-top for diameter 62 mm
EU RoHS compliant	Yes	Optical cover shape	Wide
		Optical cover finish	Frosted
Light Technical		Overall height	458 mm
Upward light output ratio	4	Overall diameter	570 mm
Luminous Flux	2,346 lm	Effective projected area	0.093 m ²
Standard tilt angle posttop	O°	Parts color	All parts colored
Standard tilt angle side entry			
Correlated Color Temperature (Nom)	3000 K	Approval and Application	
Luminous Efficacy (rated) (Nom)	63 lm/W	Ingress protection code	IP66 [Dust penetration-protected, jet-
Color rendering index (CRI)	80		proof]
Number of light sources	6	Mech. impact protection code	IK10 [20 J vandal-resistant]
Light source color	830 warm white	Surge Protection (Common/Differential)	Luminaire surge protection level until 6 kV
Optical cover type	Polycarbonate bowl/cover frosted		differential mode and 6 kV common mode
Luminaire light beam spread	50° x 70°	Sustainability rating	Lighting for circularity
Optic type outdoor	Distribution wide	Protection class IEC	Safety class I
Operating and Electrical		Initial Performance (IEC Compliant)	
Operating and Electrical	220, 240, 1/	Luminous flux tolerance	+/-7%
Input Voltage	220-240 V		(0.43, 0.40) SDCM <5
Line Frequency	50 to 60 Hz	Initial chromaticity	
Initial CLO power consumption	37 W	Power consumption tolerance	+/-10%
Average CLO power consumption	38.5 W	Init. Color Rendering Index Tolerance	+/-2
	40 W		
End CLO power consumption		Over Time Deufermen (IEC Consulie	4)
Inrush current	45 A	Over Time Performance (IEC Complia	
Inrush current Inrush time	45 A 0.285 ms	Driver failure rate at 5000 h	0.5 %
Inrush current Inrush time Power Consumption	45 A 0.285 ms 40 W	Driver failure rate at 5000 h Control gear failure rate at median useful	
Inrush current Inrush time Power Consumption Power Factor (Fraction)	45 A 0.285 ms 40 W 0.95	Driver failure rate at 5000 h Control gear failure rate at median useful life 100000 h	0.5 %
Inrush current Inrush time Power Consumption	45 A 0.285 ms 40 W	Driver failure rate at 5000 h Control gear failure rate at median useful life 100000 h Lumen maintenance at median useful life*	0.5 %
Inrush current Inrush time Power Consumption Power Factor (Fraction)	45 A 0.285 ms 40 W 0.95	Driver failure rate at 5000 h Control gear failure rate at median useful life 100000 h	0.5 %
Inrush current Inrush time Power Consumption Power Factor (Fraction) Connection	45 A 0.285 ms 40 W 0.95 Screw connection block 5-pole	Driver failure rate at 5000 h Control gear failure rate at median useful life 100000 h Lumen maintenance at median useful life* 100000 h	0.5 %
Inrush current Inrush time Power Consumption Power Factor (Fraction) Connection Cable	45 A 0.285 ms 40 W 0.95 Screw connection block 5-pole	Driver failure rate at 5000 h Control gear failure rate at median useful life 100000 h Lumen maintenance at median useful life* 100000 h Application Conditions	0.5 % 10 %
Inrush current Inrush time Power Consumption Power Factor (Fraction) Connection Cable	45 A 0.285 ms 40 W 0.95 Screw connection block 5-pole	Driver failure rate at 5000 h Control gear failure rate at median useful life 100000 h Lumen maintenance at median useful life* 100000 h Application Conditions Performance ambient temperature Tq	0.5 % 10 % 91 25 °C
Inrush current Inrush time Power Consumption Power Factor (Fraction) Connection Cable Number of products on MCB of 16 A type B	45 A 0.285 ms 40 W 0.95 Screw connection block 5-pole	Driver failure rate at 5000 h Control gear failure rate at median useful life 100000 h Lumen maintenance at median useful life* 100000 h Application Conditions	0.5 % 10 %
Inrush current Inrush time Power Consumption Power Factor (Fraction) Connection Cable Number of products on MCB of 16 A type B	45 A 0.285 ms 40 W 0.95 Screw connection block 5-pole - 10	Driver failure rate at 5000 h Control gear failure rate at median useful life 100000 h Lumen maintenance at median useful life* 100000 h Application Conditions Performance ambient temperature Tq Maximum dim level	0.5 % 10 % 91 25 °C
Inrush current Inrush time Power Consumption Power Factor (Fraction) Connection Cable Number of products on MCB of 16 A type B	45 A 0.285 ms 40 W 0.95 Screw connection block 5-pole - 10	Driver failure rate at 5000 h Control gear failure rate at median useful life 100000 h Lumen maintenance at median useful life* 100000 h Application Conditions Performance ambient temperature Tq Maximum dim level Product Data	0.5 % 10 % 91 25 °C Not applicable
Inrush current Inrush time Power Consumption Power Factor (Fraction) Connection Cable Number of products on MCB of 16 A type B Temperature Ambient temperature range	45 A 0.285 ms 40 W 0.95 Screw connection block 5-pole - 10	Driver failure rate at 5000 h Control gear failure rate at median useful life 100000 h Lumen maintenance at median useful life* 100000 h Application Conditions Performance ambient temperature Tq Maximum dim level	0.5 % 10 % 91 25 °C
Inrush current Inrush time Power Consumption Power Factor (Fraction) Connection Cable Number of products on MCB of 16 A type B Temperature Ambient temperature range Controls and Dimming	45 A 0.285 ms 40 W 0.95 Screw connection block 5-pole - 10 -40 to +35 °C	Driver failure rate at 5000 h Control gear failure rate at median useful life 100000 h Lumen maintenance at median useful life* 100000 h Application Conditions Performance ambient temperature Tq Maximum dim level Product Data	0.5 % 10 % 91 25 °C Not applicable
Inrush current Inrush time Power Consumption Power Factor (Fraction) Connection Cable Number of products on MCB of 16 A type B Temperature Ambient temperature range Controls and Dimming Dimmable	45 A 0.285 ms 40 W 0.95 Screw connection block 5-pole - 10 -40 to +35 °C	Driver failure rate at 5000 h Control gear failure rate at median useful life 100000 h Lumen maintenance at median useful life* 100000 h Application Conditions Performance ambient temperature Tq Maximum dim level Product Data Order product name	0.5 % 10 % 91 25 °C Not applicable BDP103 LED50/830 DW PCF SI CLO 62P
Inrush current Inrush time Power Consumption Power Factor (Fraction) Connection Cable Number of products on MCB of 16 A type B Temperature Ambient temperature range Controls and Dimming Dimmable	45 A 0.285 ms 40 W 0.95 Screw connection block 5-pole - 10 -40 to +35 °C No Power supply unit regulating with constant	Driver failure rate at 5000 h Control gear failure rate at median useful life 100000 h Lumen maintenance at median useful life* 100000 h Application Conditions Performance ambient temperature Tq Maximum dim level Product Data Order product name Full product name	0.5 % 10 % 91 25 °C Not applicable BDP103 LED50/830 DW PCF SI CLO 62P BDP103 LED50/830 DW PCF SI CLO 62P
Inrush current Inrush time Power Consumption Power Factor (Fraction) Connection Cable Number of products on MCB of 16 A type B Temperature Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer	45 A 0.285 ms 40 W 0.95 Screw connection block 5-pole - 10 -40 to +35 °C No Power supply unit regulating with constant	Driver failure rate at 5000 h Control gear failure rate at median useful life 100000 h Lumen maintenance at median useful life* 100000 h Application Conditions Performance ambient temperature Tq Maximum dim level Product Data Order product name Full product code	0.5 % 10 % 91 25 °C Not applicable BDP103 LED50/830 DW PCF SI CLO 62P BDP103 LED50/830 DW PCF SI CLO 62P 871829191078700
Inrush current Inrush time Power Consumption Power Factor (Fraction) 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	45 A 0.285 ms 40 W 0.95 Screw connection block 5-pole - 10 -40 to +35 °C No Power supply unit regulating with constant light output -	Driver failure rate at 5000 h Control gear failure rate at median useful life 100000 h Lumen maintenance at median useful life* 100000 h Application Conditions Performance ambient temperature Tq Maximum dim level Product Data Order product name Full product code Order code	0.5 % 10 % 91 25 °C Not applicable BDP103 LED50/830 DW PCF SI CLO 62P BDP103 LED50/830 DW PCF SI CLO 62P 871829191078700 910500991139
Inrush current Inrush time Power Consumption Power Factor (Fraction) 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	45 A 0.285 ms 40 W 0.95 Screw connection block 5-pole - 10 -40 to +35 °C No Power supply unit regulating with constant light output -	Driver failure rate at 5000 h Control gear failure rate at median useful life 100000 h Lumen maintenance at median useful life* 100000 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)	0.5 % 10 % 91 25 °C Not applicable BDP103 LED50/830 DW PCF SI CLO 62P BDP103 LED50/830 DW PCF SI CLO 62P 871829191078700 910500991139 910500991139
Inrush current Inrush time Power Consumption Power Factor (Fraction) 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	45 A 0.285 ms 40 W 0.95 Screw connection block 5-pole - 10 -40 to +35 °C No Power supply unit regulating with constant light output -	Driver failure rate at 5000 h Control gear failure rate at median useful life 100000 h Lumen maintenance at median useful life* 100000 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	0.5 % 10 % 91 25 °C Not applicable BDP103 LED50/830 DW PCF SI CLO 62P BDP103 LED50/830 DW PCF SI CLO 62P 871829191078700 910500991139 910500991139
Inrush current Inrush time Power Consumption Power Factor (Fraction) 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	45 A 0.285 ms 40 W 0.95 Screw connection block 5-pole - 10 -40 to +35 °C No Power supply unit regulating with constant light output - Yes	Driver failure rate at 5000 h Control gear failure rate at median useful life 100000 h Lumen maintenance at median useful life* 100000 h Application Conditions Performance ambient temperature Tq Maximum dim level Product Data Order product name Full product code Order code Material Nr. (12NC) Numerator - Quantity Per Pack EAN/UPC - Product/Case	0.5 % 10 % 91 25 °C Not applicable BDP103 LED50/830 DW PCF SI CLO 62P BDP103 LED50/830 DW PCF SI CLO 62P 871829191078700 910500991139 910500991139 1 8718291910787
Inrush current Inrush time Power Consumption Power Factor (Fraction) 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	45 A 0.285 ms 40 W 0.95 Screw connection block 5-pole - 10 -40 to +35 °C No Power supply unit regulating with constant light output - Yes Aluminum	Driver failure rate at 5000 h Control gear failure rate at median useful life 100000 h Lumen maintenance at median useful life* 100000 h Application Conditions Performance ambient temperature Tq Maximum dim level Product Data Order product name Full product code Order code Material Nr. (12NC) Numerator - Quantity Per Pack EAN/UPC - Product/Case Numerator - Packs per outer box	0.5 % 10 % 91 25 °C Not applicable BDP103 LED50/830 DW PCF SI CLO 62P BDP103 LED50/830 DW PCF SI CLO 62P 871829191078700 910500991139 910500991139 1 8718291910787 1
Inrush current Inrush time Power Consumption Power Factor (Fraction) 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	45 A 0.285 ms 40 W 0.95 Screw connection block 5-pole - 10 -40 to +35 °C No Power supply unit regulating with constant light output - Yes Aluminum -	Driver failure rate at 5000 h Control gear failure rate at median useful life 100000 h Lumen maintenance at median useful life* 100000 h Application Conditions Performance ambient temperature Tq Maximum dim level Product Data Order product name Full product code Order code Material Nr. (12NC) Numerator - Quantity Per Pack EAN/UPC - Product/Case Numerator - Packs per outer box	0.5 % 10 % 91 25 °C Not applicable BDP103 LED50/830 DW PCF SI CLO 62P BDP103 LED50/830 DW PCF SI CLO 62P 871829191078700 910500991139 910500991139 1 8718291910787 1

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Dimensional drawing







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