BDP100 LED50/740 II DW PCC GR 62P

910925866277

TownGuide Performer, Urban road & street light, 34 W, 3750 lm, 4000 K, CRI70, Distribution wide, Safety class II, IP66, SRG6-6

Urban road & street light, Aluminum, Gray, Post-top for diameter 62 mm, Power supply unit regulating, 3750 lm, 34 W, 110 lm/W, 4000 K, (0.38, 0.38) SDCM <5, CRI70, Distribution wide, IP66 | Dust penetration-protected, jet-proof, IK10 | 20 J vandal-resistant, Safety class II, Surge protection level until 6 kV differential mode and 6 kV common mode, Screw connection block 5-pole

General Information

Lamp family code	LED50 [LED module 5000 lm]
Light source replaceable	Yes
Number of gear units	1 unit
Driver included	Yes
Light source engine type	LED
Service tag	Yes
Lighting Technology	LED
Value ladder	Performance
Warranty period	5 years

Light Technical

Upward light output ratio	3
Luminous Flux	3,750 lm
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	110 lm/W
Color rendering index (CRI)	70
Light source color	740 neutral white
Luminaire light beam spread	50° x 70°
Optic type outdoor	Distribution wide
Effective projected area	0.051 m²

Operating and Electrical

Input Voltage	220-240 V
Line Frequency	50 to 60 Hz
Inrush current	45 A
Inrush time	0.285 ms
Power Consumption	34 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	Safety class II
Surge Protection (Common/ Differential)	Surge protection level until 6 kV differential mode and 6 kV common mode

Controls and Dimming

Dimmable	No
Driver/power unit/ transformer	Power supply unit regulating
Control interface	-
Constant light output	No
Maximum dim level	Not applicable

Mechanical and Housing

Housing Material	Aluminum
Reflector material	-
Optic material	Acrylate
Optical cover material	Polycarbonate
Fixation material	Steel
Housing Color	Gray
Mounting device	Post-top for diameter 62 mm
Optical cover shape	Conical flat
Optical cover finish	Clear
Overall length	570 mm
Overall width	570 mm
Overall height	209 mm
Overall diameter	570 mm
Dimensions (Height x Width x Depth)	209 x 570 x 570 mm
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)	6.200 kg

Approval and Application

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	(0.38, 0.38) SDCM <5
Power consumption tolerance	+/-10%
Init. Color Rendering Index Tolerance	+/-2
Standard Deviation of Colour Matching (McAdam ellipse)	SDCM≤5

Over Time Performance (IEC Compliant)

Driver failure rate at 5000 h	0.5 %
Control gear failure rate at median useful life 50000 h	5 %
Control gear failure rate at median useful life 100000 h	10 %
Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 50000 h	L97
Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 100000 h	L93

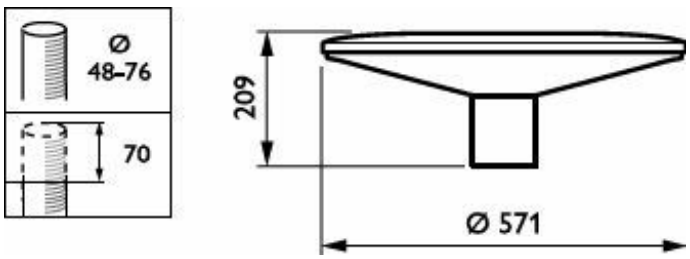
Sustainability Data

Sustainability rating	Unclassified
Repair class	Repair Class B, the driver and light source of this luminaire can be replaced by a service technician. Parts and documentation are available for an extended period of time.
Embedded carbon (A1-A3)	138 kg CO_2e
Product non-virgin material ratio	6.77 %
Recyclable content ratio of the finished product	37.7 %
GWP total B6 (kg CO2eq) Declared Unit	Please calculate using your local energy mix value: Power Declared Unit (kW) * Service life (hrs) Declared Unit * Energy mix (kg CO2eq / kwh)
GWP total B6 (kg CO2eq) Functional Unit	Please calculate using your local energy mix value: Power Declared Unit (kW) * 1000 (lm) /lumen output (lm) Declared Unit * 35000 (hrs) * Energy mix (kg CO2 eq / kwh)
Non-virgin material ratio of the packaging	Cardboard > 80% recycled
Packaging Recyclable content ratio	Cardboard recycling rate > 80%
Packaging Material	Cardboard

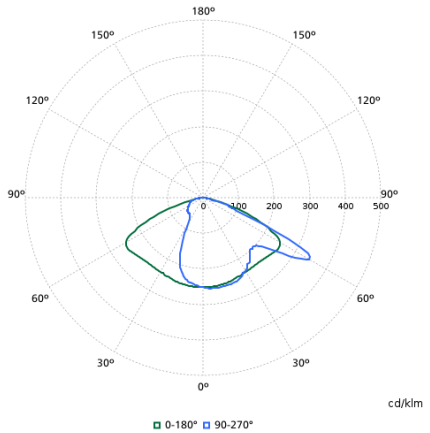
Product Data

Order product name	BDP100 LED50/740 II DW PCC GR 62P
Full product name	BDP100 LED50/740 II DW PCC GR 62P
Full product code	871829190973600
Order code	910925866277
Material Nr. (12NC)	910925866277
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718291909736
Numerator - Packs per outer box	1
EAN/UPC - Case	8718291909736
Product family code	BDP100 [TOWNGUIDE PERFORMER FLAT CONE]

Dimensional drawing



Polar normal diagrams



Related Documents

Documents and certificates	Document Name	Download
Installation Instructions	Installation-instruction-TownGuide.pdf	Download
Tender text	Tender_Text_910925866277_en_SG.txt	Download

Photometry and lighting design	Document Name	Download
LDT File	LDT File - BDP100I - 910925866277.ldt	Download
ROLF File	ROLF File - BDP100I - 910925866277.rolfz	Download
ULD File	ULD File - BDP100I - 910925866277.uld	Download

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