PHILIPS

BRP102 LED103/730 II DM MSP

910925869872

CoreLine Malaga LED, Road & street light, 69 W, 9240 lm, 3000 K, CRI70, Distribution medium, Safety class II, IP65, SRG4-4

Road & street light, Aluminum die cast, Gray, Marine salt protected coating, Power supply unit (On/Off), 9240 lm, 69 W, 134 lm/W, 3000 K, (0.41, 0.39) SDCM ≤5, CRI70, Distribution medium, IP65 | Dust penetration-protected, jet-proof, IK08 | 5 J vandal-protected, Safety class II, Surge protection level until 4 kV differential mode and 4 kV common mode, Push-in connector and pull relief

General Information

Lamp family code	LED103 [LED module 10300 lm]
Number of gear units	1 unit
Driver included	Yes
Light source engine type	LED
Service tag	Yes
Value ladder	Performance
Warranty period	5 years

Light Technical

Upward light output ratio	0
Luminous Flux	9,240 lm
Correlated Color Temperature (Nom)	3000 K
Luminous Efficacy (rated) (Nom)	134 lm/W
Color rendering index (CRI)	70
Light source color	730 warm white
Luminaire light beam spread	-
Optic type outdoor	Distribution medium
Effective projected area	0.0225 m^2

Operating and Electrical

Input Voltage	220 to 240 V
Line Frequency	50 to 60 Hz
Initial CLO power consumption	N/A W W W
Average CLO power consumption	N/A W W
End CLO power consumption	N/A W W W
Inrush current	79 A
Inrush time	122 ms
Power Consumption	69 W
Power Factor (Fraction)	0.93
Connection	Push-in connector and pull relief
Cable	-
Number of products on MCB of 16 A type B	11
Protection class IEC	Safety class II
Surge Protection (Common/ Differential)	Surge protection level until 4 kV differential mode and 4 kV common mode
Feed-through wiring	-

Controls and Dimming

Dimmable	No
Driver/power unit/transformer	Power supply unit (On/Off)
Constant light output	No
Maximum dim level	Not applicable
Photocell	-

Mechanical and Housing

Housing Material	Aluminum die cast
Reflector material	-
Optic material	Polymethyl methacrylate
Optical cover material	Tempered glass
Fixation material	Aluminum
Housing Color	Gray
Mounting device	Universal for diameter 42 to 60 mm adjustable
Optical cover shape	Flat
Optical cover finish	Clear
Reflector Finish	-
Overall length	493 mm
Overall width	217 mm
Overall height	79 mm
Dimensions (Height x Width x Depth)	79 x 217 x 493 mm
Optical finish	Clear
Ingress protection code	IP65 [Dust penetration-protected, jet-proof]
Mech. impact protection code	IK08 [5 J vandal-protected]
Standard tilt angle posttop	-
Standard tilt angle side entry	0°
Optical cover type	Flat glass
Net Weight (Piece)	3.300 kg

Approval and Application

Flammability mark	-
CE mark	Yes
ENEC mark	ENEC mark
Photobiological risk	Photobiological risk group 1 @200mm to EN62778
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	(0.41, 0.39) SDCM ≤5
Power consumption tolerance	+/-10%
Init. Color Rendering Index Tolerance	+/-2

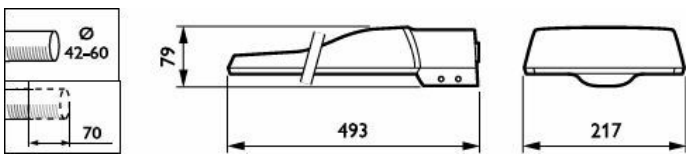
Over Time Performance (IEC Compliant)

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	L98
Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 100000 h	L70

Sustainability Data

Sustainability rating	Unclassified
Repair class	Repair Class C, the driver of this luminaire can be replaced by a service technician. Special care is required during disassembly and reassembly, and specific tools may be required. Parts and documentation are available for a period of time.
Embedded carbon (A1-A3)	59.7 kg CO_2e
Product non-virgin material ratio	6.82 %
Recyclable content ratio of the finished product	50.7 %
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

Dimensional drawing



Product Data

Order product name	BRP102 LED103/730 II DM MSP
Full product name	BRP102 LED103/730 II DM MSP
Full product code	872016947201300
Order code	47201300
Material Nr. (12NC)	910925869872
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8720169472013
Numerator - Packs per outer box	1
EAN/UPC - Case	8720169472013
Product family code	BRP102 [CoreLine Malaga LED large]

Compatible Accesories

Accessory Image	Accessory Code	Accessory Name	Website
	910925227912	ZRP220 AD60/60 A5	Product Website
	910925868646	ZRP100 SPIG ADAP CL MALAGA+LN STREETLIGH	Product Website

Related Documents

Documents and certificates	Document Name	Download
Installation Instructions	442710336212_583_Coreline_Malaga_LED_BRP101_BRP102_MI.pdf	Download
Tender text	Tender_Text_910925869872_en_BG.txt	Download
Environmental Product Declaration	EPD-Philips-CoreLine-Malaga-LED-large-BRP102-910925869872.pdf	Download

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