CoreLine Malaga LED

BRP102 LED55/740 II DM 42-60A

CoreLine Malaga LED large - LED module 5500 lm - Power supply unit - Safety class II - Distribution medium - Universal for diameter 42 to 60 mm adjustable

The CoreLine Malaga LED family is designed for general Road, Street and Residential application.The family consists of two sizes and uses a Philips standardized design LED engine as light source and a Philips Xitanium fixed output outdoor driver. Quality you can rely on.CoreLine Malaga LED has been designed as efficient as possible, performing the same task as the SON-T 50, 70, 100 and 150W luminaires it replaces; provide the right amount of light in the right place. The medium beam (DM) optic delivers an efficient distribution onto the road. The combination results in interesting energy savings which reduce operating costs significantly. 50% energy reduction is realistically possible.At the same time, the investment in a CoreLine Malaga LED luminaire is on the same level as an old SON-T luminaire including the first lamp. As the LED light engine in CoreLine Malaga LED will last the life time of the luminaire, just by saving the multiple lamp replacements needed with SON-T will already return the investment in it.Ease of installation is obtained through the extended gland feature; the luminaire does not need to be opened to connect the power cable. At the same time, the flat glass cover can be removed to allow access to the driver for maintenance if required. Adding up the functions and features truly make a choice for CoreLine Malaga LED an easy decision. As a member of the CoreLine family, Malaga LED is easy and quick available thru Philips Partners near you. Simply efficient.

Product data

General Information		Driver/power unit/transformer	Power supply unit
Lamp family code	LED55 [LED module 5500 lm]	Driver included	Yes
Light source color	740 neutral white	Optical cover/lens type	Flat glass
Light source replaceable	No	Luminaire light beam spread	-
Number of gear units	1 unit	Control interface	-

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Connection	Push-in connector and pull relief
Cable	-
Protection class IEC	Safety class II
Flammability mark	-
CE mark	CE mark
ENEC mark	-
Warranty period	3 years
Optic type outdoor	Distribution medium
Constant light output	No
Number of products on MCB of 16 A type B	11
RoHS mark	RoHS mark
Light source engine type	LED
Product family code	BRP102 [CoreLine Malaga LED large]

Light Technical

Upward light output ratio	0
Standard tilt angle posttop	-
Standard tilt angle side entry	0°

Operating and Electrical

Input Voltage	220 to 240 V
Input Frequency	50 to 60 Hz
Initial CLO power consumption	N/A W
Average CLO power consumption	N/A W
End CLO power consumption	N/A W
Inrush current	46 A
Inrush time	440 ms
Power Factor (Min)	0.98

Controls and Dimming

Dimmable	No

Mechanical and Housing

Housing Material	Aluminum die-cast
Reflector material	-
Optic material	Polymethyl methacrylate
Optical cover/lens material	Tempered glass
Fixation material	Aluminum
Mounting device	Universal for diameter 42 to 60 mm adjustable
Optical cover/lens shape	Flat
Optical cover/lens finish	Clear
Overall length	493 mm
Overall width	217 mm

Overall height	79 mm
Overall diameter	520 mm
Effective projected area	0.22526 m²

Approval and Application

Ingress protection code	IP65 [Dust penetration-protected, jet-proof]
Mech. impact protection code	IK08 [5 J vandal-protected]
Surge Protection (Common/Differential)	Luminaire surge protection level until 4 kV differential mode and 4 kV common mode

Initial Performance (IEC Compliant)

Initial luminous flux (system flux)	4600 lm
Luminous flux tolerance	+/-7%
Initial LED luminaire efficacy	118 lm/W
Init. Corr. Color Temperature	4000 K
Init. Color Rendering Index	70
Initial chromaticity	(0.41, 0.39) SDCM ≤5
Initial input power	39 W
Power consumption tolerance	+/-11%

Over Time Performance (IEC Compliant)
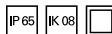
Driver failure rate at 5000 h	0.05 %
Useful life L80B10	60000 h
Lumen maintenance at useful life of 100000 h, at 25 °C	N/A

Application Conditions

Ambient temperature range	-30 to +35 °C
Maximum dim level	Not applicable

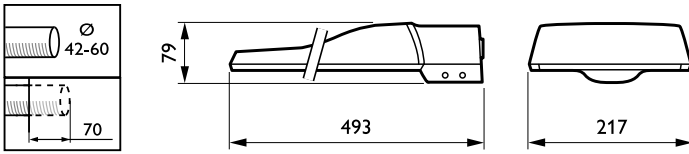## Product Data

Full product code	871869699818200
Order product name	BRP102 LED55/740 II DM 42-60A
EAN/UPC - Product	8718696998182
Order code	910925865341
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	1
Material Nr. (12NC)	910925865341
Net Weight (Piece)	3.300 kg

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Dimensional drawing

Ø 42-60

70

79

493

217

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