



# CoreLine Malaga LED

## BRP102 LED110/740 I DM

CoreLine Malaga LED, Road & street light, 69 W, 9680 lm, 4000 K, CRI70, Distribution medium, Safety class I, IP65, SRG4-4

Road & street light, Aluminium die cast, Grey, Power supply unit (On/Off), 9680 lm, 69 W, 140 lm/W, 4000 K, (0.41, 0.39) SDCM ≤5, CRI70, Distribution medium, IP65 | Dust penetration-protected, jet-proof, IK08 | 5 J vandal-protected, Safety class I, Surge protection level until 4 kV differential mode and 4 kV common mode, Push-in connector and pull relief

### Product data

General Information		Effective projected area	
Lamp family code	LED110 [LED module 11000 lm]	Effective projected area	0.0225 m <sup>2</sup>
Number of gear units	Unit	<b>Operating and Electrical</b>	
Driver included	Yes	Input Voltage	220 to 240 V
Light source engine type	LED	Line Frequency	50 to 60 Hz
Service Tag	Yes	Initial CLO power consumption	N/A W W W
Value ladder	Performance	Average CLO power consumption	N/A W W
Warranty period	5 years	End CLO power consumption	N/A W W W
<b>Light Technical</b>		Inrush current	79 A
Upwards light output ratio	0	Inrush time	122 ms
Luminous Flux	9,680 lm	Power Consumption	69 W
Correlated Colour Temperature (Nom)	4000 K	Power Factor (Fraction)	0.93
Luminous efficacy (rated) (nom.)	140 lm/W	Connection	Push-in connector and pull relief
Colour rendering index (CRI)	70	Cable	-
Light source colour	740 neutral white	Number of products on MCB (16 A type B)	11
Luminaire light beam spread	-	Protection class IEC	Safety class I
Optic type outdoor	Distribution medium	Surge Protection (Common/Differential)	Surge protection level until 4 kV differential mode and 4 kV common mode

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Feed-through wiring	-
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## 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	Aluminium die cast
Reflector material	-
Optic material	Polymethyl methacrylate
Optical cover/lens material	Tempered glass
Fixation material	Aluminium
Housing Colour	Grey
Mounting device	Universal for diameter 42 to 60 mm adjustable
Optical cover/lens shape	Flat
Optical cover/lens 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
Ingress protection code	IP65 [Dust penetration-protected, jet-proof]
Mech. impact protection code	IK08 [5 J vandal-protected]
Standard tilt angle post-top	-
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. Colour Rendering Index Tolerance	+/-2
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## Over Time Performance (IEC Compliant)

Control gear failure rate at median useful life 50,000 h	5 %
Control gear failure rate at median useful life 100,000 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 <sub>2</sub> e
Product non-virgin material ratio	6.82 %
Recyclable the content ratio of the finished product	50.7 %
GWP total B6 (kg CO <sub>2</sub> eq) Declared Unit	Please calculate using your local energy mix value: Power Declared Unit (kW) * Service life (hrs) Declared Unit * Energy mix (kg CO <sub>2</sub> eq / kWh)
GWP total B6 (kg CO <sub>2</sub> eq) Functional Unit	Please calculate using your local energy mix value: POWER DECLARED UNIT (kW) * 1000 (lm) / LUMEN OUTPUT DECLARED UNIT (lm) * 35000 (hrs) * ENERGY MIX (kg CO <sub>2</sub> eq / kWh)

## Product Data

Order product name	BRP102 LED110/740 I DM
Full product name	BRP102 LED110/740 I DM
Full EOC	872016947192400
Order code	910925869863
Material no. (12 NC)	910925869863
Numerator – quantity per pack	1
EAN/UPC – Product/Case	8720169471924
Numerator – packs per outer box	1
EAN/UPC - Case	8720169471924
Product family code	BRP102 [CoreLine Malaga LED large]

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### Dimensional drawing

