



# 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, Aluminum die cast, Gray, 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	1 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
Upward light output ratio	0	Inrush time	122 ms
Luminous Flux	9,680 lm	Power Consumption	69 W
Correlated Color Temperature (Nom)	4000 K	Power Factor (Fraction)	0.93
Luminous Efficacy (rated) (Nom)	140 lm/W	Connection	Push-in connector and pull relief
Color rendering index (CRI)	70	Cable	-
Light source color	740 neutral white	Number of products on MCB of 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	-
<b>Controls and Dimming</b>	
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 <sub>2e</sub>
Product non-virgin material ratio	6.82 %
Recyclable content ratio of the finished product	50.7 %
GWP total B6 (kg CO <sub>2eq</sub> ) Declared Unit	Please calculate using your local energy mix value: Power Declared Unit (kW) * Service life (hrs) Declared Unit * Energy mix (kg CO <sub>2eq</sub> / kwh)
GWP total B6 (kg CO <sub>2eq</sub> ) 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 CO <sub>2eq</sub> / kwh)
Non-virgin material ratio of the packaging	Cardboard > 80% recycled Plastic >35% recycled
Packaging Recyclable content ratio	Cardboard recycling rate > 80% Plastic recycling rate > 40%
Packaging Material	Cardboard Plastic

## Product Data

Order product name	BRP102 LED110/740 I DM
Full product name	BRP102 LED110/740 I DM
Full product code	872016947192400
Order code	910925869863
Material Nr. (12NC)	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

