



# CoreLine Malaga LED

## BRP101 LED37/740 I DM

CoreLine Malaga LED small - LED module 3700 lm - Power supply unit - Safety class I - Distribution medium - Universal for diameter 42-60 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 standardised-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 to be as efficient as possible, performing the same task as the SON-T 50, 70, 100 and 150 W luminaires it replaces; providing 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 in many cases 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 lifetime of the luminaire, just by saving the multiple lamp replacements needed with SON-T, ROI is immediate. Ease of installation is assured 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, the Malaga LED is easily and quickly available through your local Philips Partner. Simply efficient.;

Specials; In addition to the standard version of CoreLine Malaga LED as described above, versions with several options are available. As these are specials, and manufactured to order only, these specials do have a longer delivery time. Options available are; Wide-beam (DW) optic.; Added surge-protection device 10 kV (SRG10).; Marine Salt Protection (MSP) paint finish, e.g. for coastal areas.; Micro Mini Pro photocell 35 Lux.; Built-in (glass) fuse 6A.; 3-metres external flying lead cable (H07RN-F).; Not all options can be combined. Please consult your Philips Partner for specific details in case of interest or doubt.

# CoreLine Malaga LED

## Product data

General Information	
Lamp family code	LED37 [ LED module 3700 lm]
Light source colour	740 neutral white
Light source replaceable	No
Number of gear units	1 unit
Driver/power unit/transformer	PSU [ Power supply unit]
Driver included	Yes
Optical cover/lens type	FG [ Flat glass]
Luminaire light beam spread	-
Control interface	-
Connection	Push-in connector and pull relief
Cable	-
Protection class IEC	Safety class I
Flammability mark	NO [ -]
CE mark	CE mark
ENEC mark	ENEC mark
Warranty period	5 years
Outdoor optic type	Distribution medium
Remarks	*-Per Lighting Europe guidance paper "Evaluating performance of LED based luminaires - January 2018": statistically there is no relevant difference in lumen maintenance between B50 and for example B10. Therefore the median useful life (B50) value also represents the B10 value.
Constant light output	No
Number of products on MCB	11
RoHS mark	RoHS mark
LED engine type	LED
Product Family Code	BRP101 [ CoreLine Malaga LED small]

### Light Technical

Upward light output ratio	0
Standard tilt angle post-top	-
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	7.1 A
Inrush time	61.2 ms
Power factor (min.)	0.98

### Controls and Dimming

Dimmable	no
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### Mechanical and Housing

Housing material	Aluminium die-cast
Reflector material	-
Optic material	Polymethyl methacrylate
Optical cover/lens material	Tempered glass
Fixation material	Aluminum
Mounting device	42/60A [ Universal for diameter 42-60 mm adjustable]
Optical cover/lens shape	Flat
Optical cover/lens finish	Clear
Overall length	333 mm
Overall width	197 mm
Overall height	78 mm
Overall diameter	360 mm
Effective projected area	0.016478 m <sup>2</sup>
Colour	Grey

### 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 up to 4 kV differential mode and 4 kV common mode

### Initial Performance (IEC Compliant)

Initial luminous flux	3054 lm
Luminous flux tolerance	+/-7%
Initial LED luminaire efficacy	103 lm/W
Init. Corr. colour temperature	4000 K
Init. colour rendering index	70
Initial chromaticity	(0.41, 0.39) SDCM ≤5
Initial input power	29.6 W
Power consumption tolerance	+/-11%

### Over Time Performance (IEC Compliant)

Control gear failure rate at median useful life 100000 h	10 %
Lumen maintenance at median useful life* 100000 h	L70

### Application Conditions

Ambient temperature range	-40 to +35 °C
Performance ambient temperature Tq	25 °C
Maximum dimming level	Not applicable

## CoreLine Malaga LED

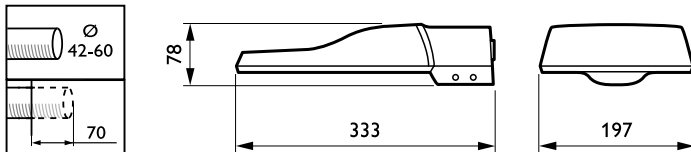
### Product Data

Full product code	871869699815100
Order product name	BRP101 LED37/740 I DM
EAN/UPC – product	8718696998151
Order code	99815100
Numerator – quantity per pack	1

Numerator – packs per outer box	1
Material no. (12NC)	910925865338
Net weight (piece)	2.200 kg



### Dimensional drawing



CoreLine Malaga LED BRP101/102

