

# PHILIPS

## Lighting



## CoreLine Malaga LED

29,6 W

BRP101 LED37/740 I DM

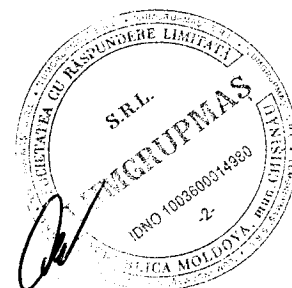
CoreLine Malaga LED small - LED module 3700 lm - Power supply unit - Safety class I - Distribution medium - Universal for diameter 42 to 60 mm adjustable

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 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 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.;

**Specials;** In addition to the standard version of CoreLine Malaga LED as described above, also versions with several options are available. As these are specials, and manufactured to order received only, these specials do have a longer delivery time. Options available are:;

- Wide beam (DW) optic;
- Added surge protection device 10kV (SRG10);
- Marine Salt Protection (MSP) paint finish, e.g. for coastal areas;
- Micro Mini Pro photocell 35 Lux;
- Build in (glass) fuse 6A;
- 3 meters external flying lead cable (H07RN-F);

Not all these options can always be combined with each other. Please consult your Philips partner for specific details in case of interest or doubt.



# CoreLine Malaga LED

## Product data

General Information		Mechanical and Housing	
Lamp family code	LED37 [ LED module 3700 lm]	Housing Material	Aluminum die-cast
Light source color	740 neutral white	Reflector material	-
Light source replaceable	No	Optic material	Polymethyl methacrylate
Number of gear units	1 unit	Optical cover/lens material	Tempered glass
Driver/power unit/transformer	Power supply unit	Fixation material	Aluminum
Driver included	Yes	Mounting device	Universal for diameter 42 to 60 mm adjustable
Optical cover/lens type	Flat glass	Optical cover/lens shape	Flat
Luminaire light beam spread	-	Optical cover/lens finish	Clear
Control interface	-	Overall length	333 mm
Connection	Push-in connector and pull relief	Overall width	197 mm
Cable	-	Overall height	78 mm
Protection class IEC	Safety class I	Overall diameter	360 mm
Flammability mark	-	Effective projected area	0.016478 m²
CE mark	CE mark	Approval and Application	
ENEC mark	-	Ingress protection code	IP65 [ Dust penetration-protected, jet-proof]
Warranty period	5 years	Mech. impact protection code	IK08 [ 5 J vandal-protected]
Optic type outdoor	Distribution medium	Surge Protection (Common/Differential)	Luminaire surge protection level until 4 kV differential mode and 4 kV common mode
Remarks	<p>*-Per Lighting Europe guidance paper</p> <p>"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.</p>		
Constant light output	No	Initial Performance (IEC Compliant)	
Number of products on MCB of 16 A type B	11	Initial luminous flux (system flux)	3054 lm
RoHS mark	RoHS mark	Luminous flux tolerance	+/-7%
Light source engine type	LED	Initial LED luminaire efficacy	103 lm/W
Product family code	BRP101 [ CoreLine Malaga LED small]	Init. Corr. Color Temperature	4000 K
Light Technical		Init. Color Rendering Index	70
Upward light output ratio	0	Initial chromaticity	(0.41, 0.39) SDCM ≤5
Standard tilt angle posttop	-	Initial input power	29.6 W
Standard tilt angle side entry	0°	Power consumption tolerance	+/-11%
Operating and Electrical		Over Time Performance (IEC Compliant)	
Input Voltage	220 to 240 V	Control gear failure rate at median useful life	10 %
Input Frequency	50 to 60 Hz	100000 h	
Initial CLO power consumption	N/A W	Lumen maintenance at median useful life*	L70
Average CLO power consumption	N/A W	100000 h	
End CLO power consumption	N/A W	Application Conditions	
Inrush current	7.1 A	Ambient temperature range	-40 to +35 °C
Inrush time	61.2 ms	Performance ambient temperature Tq	25 °C
Power Factor (Min)	0.98	Maximum dim level	Not applicable
Controls and Dimming		Product Data	
Dimmable	No	Full product code	871869699815100
		Order product name	BRP101 LED37/740 I DM
		EAN/UPC - Product	8718696998151
		Order code	910925865338
		Numerator - Quantity Per Pack	1
		Numerator - Packs per outer box	1
		Material Nr. (12NC)	910925865338

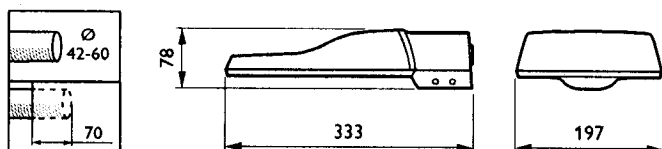
## CoreLine Malaga LED

Net Weight (Piece)

2.200 kg



### Dimensional drawing

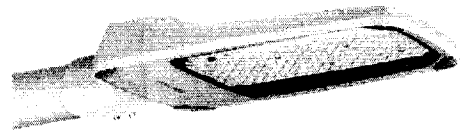


CoreLine Malaga LED BRP101/102



# PHILIPS

## Lighting



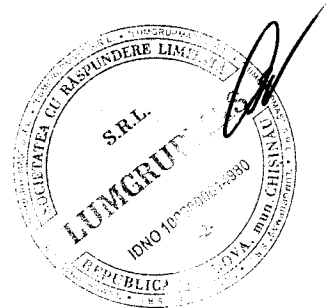
## CoreLine Malaga LED

BRP102 LED75/740 I DM

56,5 W

CoreLine Malaga LED large - LED module 7500 lm - Power supply unit - Safety class I - Distribution medium - Universal for diameter 42 to 60 mm adjustable

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# CoreLine Malaga LED

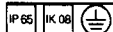
## Product data

General Information		Mechanical and Housing	
Lamp family code	LED75 [ LED module 7500 lm]	Housing Material	Aluminum die-cast
Light source color	740 neutral white	Reflector material	-
Light source replaceable	No	Optic material	Polymethyl methacrylate
Number of gear units	1 unit	Optical cover/lens material	Tempered glass
Driver/power unit/transformer	Power supply unit	Fixation material	Aluminum
Driver included	Yes	Mounting device	Universal for diameter 42 to 60 mm adjustable
Optical cover/lens type	Flat glass	Optical cover/lens shape	Flat
Luminaire light beam spread	-	Optical cover/lens finish	Clear
Control interface	-	Overall length	493 mm
Connection	Push-in connector and pull relief	Overall width	217 mm
Cable	-	Overall height	79 mm
Protection class IEC	Safety class I	Overall diameter	520 mm
Flammability mark	-	Effective projected area	0.22526 m <sup>2</sup>
CE mark	CE mark	Approval and Application	
ENEC mark	-	Ingress protection code	IP65 [ Dust penetration-protected, jet-proof]
Warranty period	5 years	Mech. impact protection code	IK08 [ 5 J vandal-protected]
Optic type outdoor	Distribution medium	Surge Protection (Common/Differential)	Luminaire surge protection level until 4 kV differential mode and 4 kV common mode
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	Initial Performance (IEC Compliant)	
Number of products on MCB of 16 A type B	11	Initial luminous flux (system flux)	6133 lm
RoHS mark	RoHS mark	Luminous flux tolerance	+/-7%
Light source engine type	LED	Initial LED luminaire efficacy	109 lm/W
Product family code	BRP102 [ CoreLine Malaga LED large]	Init. Corr. Color Temperature	4000 K
Light Technical		Init. Color Rendering Index	70
Upward light output ratio	0	Initial chromaticity	(0.41, 0.39) SDCM ≤5
Standard tilt angle posttop	-	Initial input power	56.5 W
Standard tilt angle side entry	0°	Power consumption tolerance	+/-11%
Operating and Electrical		Over Time Performance (IEC Compliant)	
Input Voltage	220 to 240 V	Control gear failure rate at median useful life	10 %
Input Frequency	50 to 60 Hz	100000 h	
Initial CLO power consumption	N/A W	Lumen maintenance at median useful life*	L70
Average CLO power consumption	N/A W	100000 h	
End CLO power consumption	N/A W	Application Conditions	
Inrush current	46 A	Ambient temperature range	-40 to +35 °C
Inrush time	440 ms	Performance ambient temperature Tq	25 °C
Power Factor (Min)	0.95	Maximum dim level	Not applicable
Controls and Dimming		Product Data	
Dimmable	No	Full product code	871869699819900
		Order product name	BRP102 LED75/740 I DM
		EAN/UPC - Product	8718696998199
		Order code	910925865342
		Numerator - Quantity Per Pack	1
		Numerator - Packs per outer box	1
		Material Nr. (12NC)	910925865342

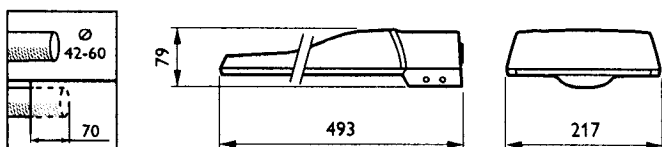
## CoreLine Malaga LED

Net Weight (Piece)

3.300 kg



### Dimensional drawing



CoreLine Malaga LED BRP101/102



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2018, October 30 - data subject to change

