



Coreline Malaga LED

BRP101/102

Time for Coreline Malaga LED

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Malaga LED



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Meet

CoreLine Malaga LED



Time to step up with Malaga from conventional to LED



Well know Malaga SGS101/102/103/104



A new highly efficient LED-based Coreline Malaga LED

CoreLine Malaga LED



BRP102
CoreLine Malaga LED Large



BRP101
CoreLine Malaga LED Small

Quality you can rely on

This family consists of two sizes and uses a standardized Philips **LED engine** as light source and **Philips Xitanium** outdoor driver.



Applications

Parking area

Industry areas

Internal streets
Parking lots



Residential

Walking/cycling
path
Minor road

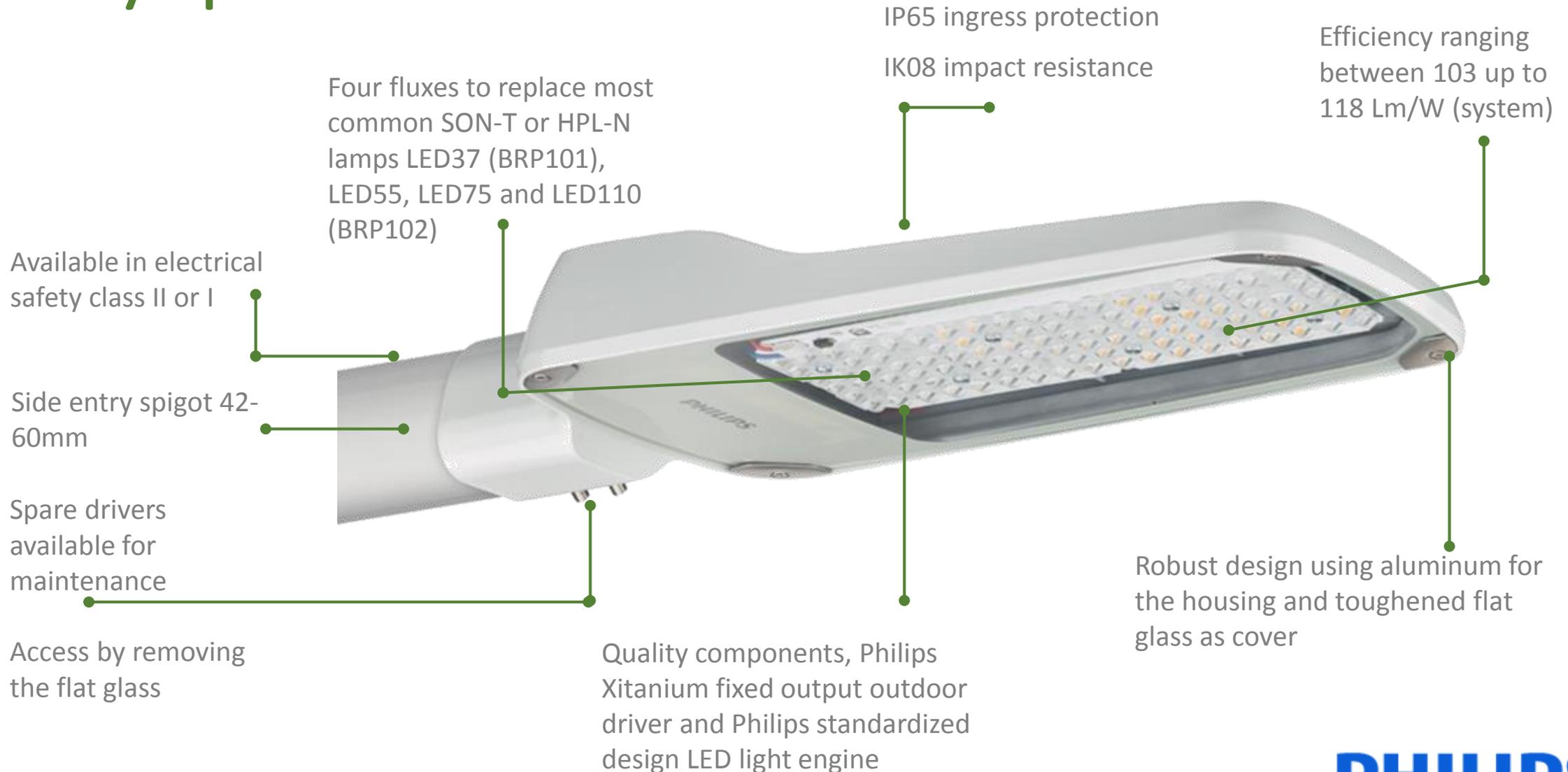
Product specifications



Complete specification in one view

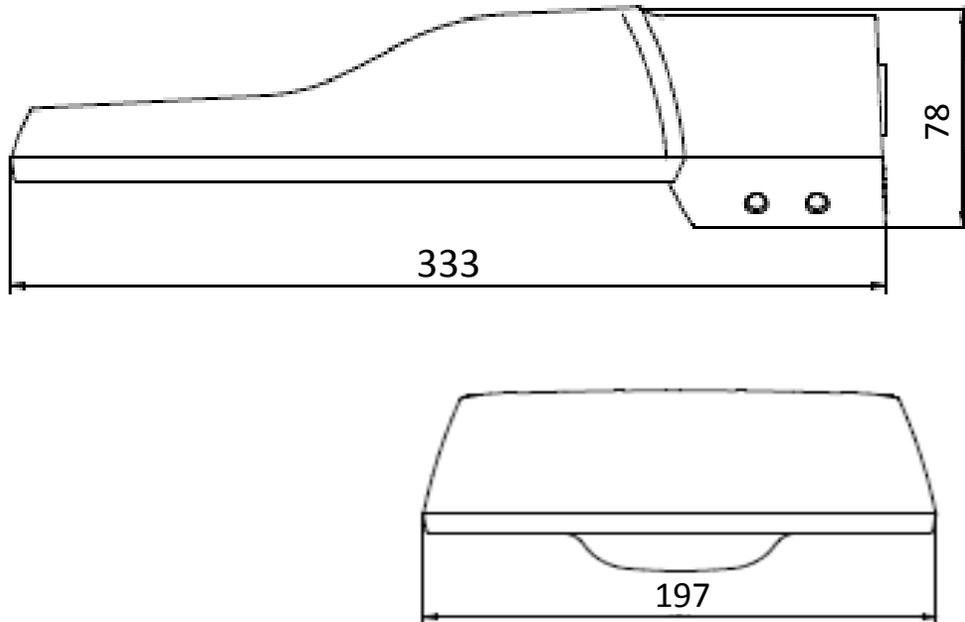
Type	BRP101 CoreLine Malaga LED small	Mains voltage	220-240V / 50-60 Hz
	BRP102 CoreLine Malaga LED large	Optic	DM, distribution medium
Light source	Integrated LED-module	Optical cover	tempered flat glass with screen print
Power	29.5 to 81W	Material	Housing: Die-cast aluminium, corrosion resistant
Luminous flux	Neutral white		Cover: toughened glass
	Nominal: 3700 - 5500 - 7500 - 11.000 Lm	Color	Light grey
	system: 3050 - 4600 - 6100 - 9000 Lm	Connection	PG13.5 gland with strain relief for cable Ø 6-12mm
Luminaire efficacy	up to 118 Lm/W system		Exterior of luminaire using extended gland and connectors
Correlated color temperature	4000K	Maintenance	Driver can be replaced, access by removing cover
Color rendering index	>70	Installation	Side-entry for mast Ø 42-60mm
Usefull life	100.000 hours L70B10 @ 25°C ambient temperature	Mounting heights recommended	BRP101: 3.5 - 6M
	60.000 hours L80B10 @ 25°C ambient temperature	Max SCx	BRP102: 5 - 8M
Operating temperature	-30 to +35°C		BRP101: 0,0165
	Philips Xitanium outdoor, fixed output, 4/4kV surge protection		BRP102: 0,0248
Driver		Accessory	Post top adapter (separately supplied)

Key specifications

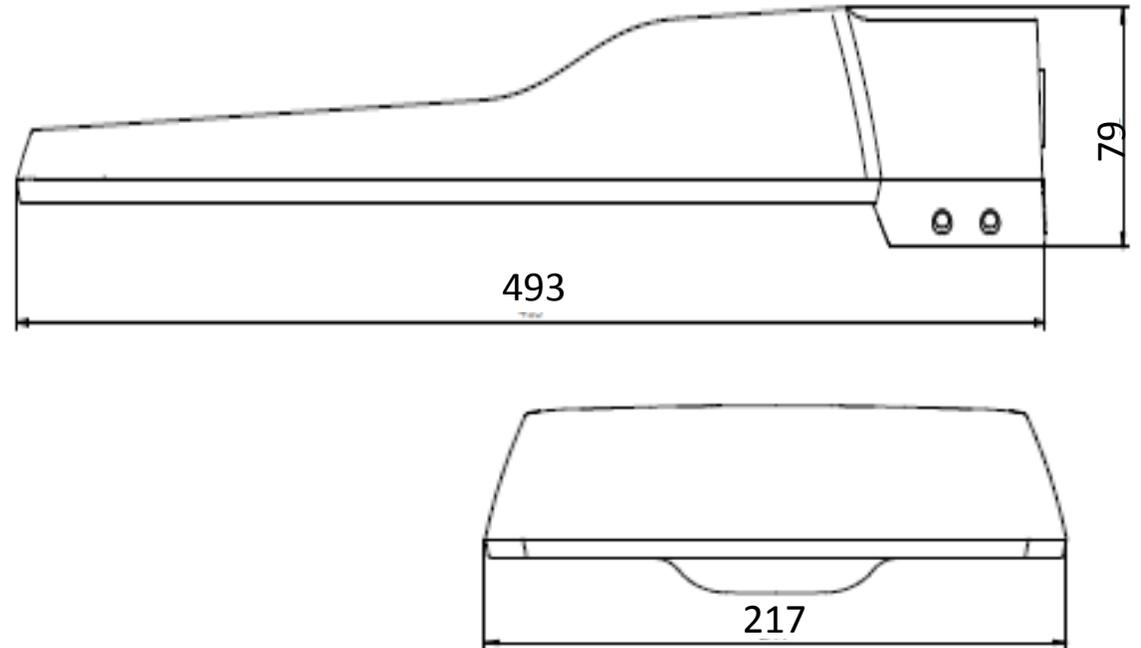


Dimensions

CoreLine Malaga LED small, BRP101



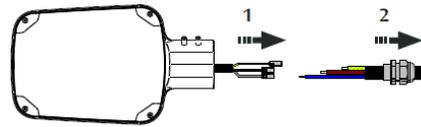
CoreLine Malaga LED large, BRP102



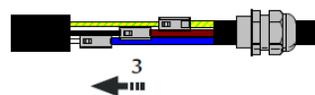
Accessory post top adapter available on demand

Simplified installation

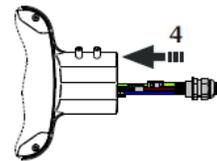
Luminaire does not even need to be opened



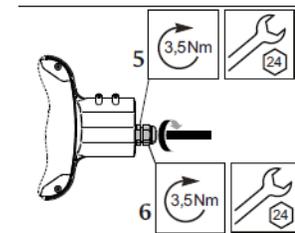
1. Take the connectors out of the extended gland.
2. Guide the gland over the connecting cable.



3. Cut the cable wiring to different lengths as indicated and push in the connectors.



4. Push connectors, one by one, with attached connecting cable into the extended gland and screw gland into the extended gland.



5. Secure the gland to the extended gland tube to 3.5Nm.
6. Secure the nut of the gland to the gland to 3.5Nm.



Time to Coreline Malaga LED

Lumen - Power data

	Source flux [lm]	System flux [lm]	Efficacy [lm/W]	Power cons. [W]
LED37	3700	3050	103	29.5
LED55	5500	4600	118	39
LED75	7500	6100	109	56.5
LED110	11.000	9000	111	81

Frequently Asked Questions

Coreline Malaga LED

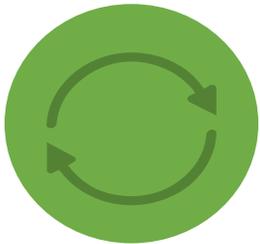


>Frequently Asked Questions;

What to choose?

Q: How do I know which luminaire size and flux to choose?

A: Coreline Malaga LED is designed with the intend to, one on one, replace SON-T as well as the last remaining HPL-N lamps.



1:1 replacement

SON-T 50 /HPL-N 80 -> LED37: 3700 Lumen

SON-T 70 / HPL-N 125 -> LED55: 5500 Lumen

SON-T 100 -> LED75: 7500 lumen

SON-T 150 -> LED110: 11.000 Lumen



You can also consult the reference tables in the reference guide. ([link to guide?](#))

>Frequently Asked Questions;

Can I afford LED?



Q:LED luminaires are expensive in my mind. Can I afford CoreLine Malaga LED?

A: CoreLine Malaga LED has been designed to be as efficient as possible, acting as the perfect 1:1 replacement of the old conventional SON-T luminaires it intends to replace: It provides the right amount of- and quality of light.



In most cases, CoreLine Malaga LED is at the same, to slightly higher expense as the equivalent SON-T luminaire including the first lamp will cost. And no lamps will need to be replaced during the luminaire operational life.

>Frequently Asked Questions;

What can I save on maintenance?



Q: What realistic savings can I achieve?

A: The LED light engine in CoreLine Malaga LED does not need replacement during the normal luminaire life of 20 to 25 years (or 60.000 up to 100.000 operational hours).



During the same 25 years life, in a SON-T luminaire the lamp needs to be replaced 4 times. For HPL-N this would be even 7 times. Also to consider, there are no extra cost for installation of the replacement lamps to budget for.

Saving these lamp changes already pays back more than the investment needed to buy a CoreLine Malaga LED luminaire.

>Frequently Asked Questions;

How much can I save on energy?



Q: What energy savings can I make with CoreLine Malaga LED versus conventional SON-T or HPL-N luminaires

A: On top of the savings on lamp replacement, a realistic energy use reduction of ~50% versus SON-T or 70% compared to HPL-N can be achieved.



These savings show itself in ~50% reduced yearly operational running costs via the electricity bill.



Because of the energy saving also CO₂ emissions reduce, helping to realize environmental goals.



These energy cost savings could be invested to accelerate replacement of conventional SON-T luminaires for CoreLine Malaga LED and decrease running costs / increase savings year on year for your total park of luminaires.

For further information on savings you can also consult the Philips CoreLine brochure. ([link to brochure?](#))

>Frequently Asked Questions;

Serviceability of CoreLine Malaga LED



How can I service CoreLine Malaga LED?

The luminaire is part of the Philips ServiceTag program. This means the available spare part (in this case the driver) is shown and can be ordered via the ServiceTag app when the product is registered upon installation. ServiceTag will always show the latest replacement driver suitable to obtain the same lighting results. Register, and all you need to do is scan the QR code on the luminaire to have all luminaire specific data at your fingertips.

The luminaire is accessible by taking the glass cover away. This allows plenty of work space to exchange the driver.

Registering a CoreLine Malaga LED luminaire in ServiceTag also extends the standard warranty period of 3 years with an extra 2 years to a total of 5 years.



>Frequently Asked Questions;

Ordering CoreLine Malaga LED

How can I order CoreLine Malaga LED?

The luminaire is part of the Coreline family. This means it is readily available via a Philips Lighting wholesale partner. In most cases the luminaires will be on stock or can be supplied with short lead-time.

The luminaire is available four flux options, with a standard (DM) medium light distribution, in electrical safety class II or I. 8 ordering codes cover the complete the family. The ninth code is for the separately available post top adapter.



12NC	EOC	Material Description
Class II		
910925865339	871869699816800	BRP101 LED37/740 II DM 42-60A
910925865341	871869699818200	BRP102 LED55/740 II DM 42-60A
910925865343	871869699820500	BRP102 LED75/740 II DM 42-60A
910925865345	871869699822900	BRP102 LED110/740 II DM 42-60A
Class I		
910925865338	871869699815100	BRP101 LED37/740 DM 42-60A
910925865340	871869699817500	BRP102 LED55/740 DM 42-60A
910925865342	871869699819900	BRP102 LED75/740 DM 42-60A
910925865344	871869699821200	BRP102 LED110/740 DM 42-60A
Post top adapter		
910925227912		ZRP101/102 post top adapter

>Summary;

CoreLine Malaga LED



- * Direct one on one replacement for luminaires with SON-T lamps in road, street and residential applications.
 - * Purpose dedicated to LED design, including Philips standardized LED platform for superior performance.
 - * Easy installation via spigot. No need to open the luminaire.
 - * Lifetime: 100.000 burning hours (L70B10)
 - * Sustainable Philips Green product helping to reduce impact on environment.
 - * High quality: Die cast housing and flat glass cover. IP65 / IK08
 - * Servisability: Driver can be replaced.
 - * Post top adapter separate available.
- * Favorable return on investment. Already earn the investment back by just saving a few lamp changes. The energy savings make yearly running costs a lot lower.

