



For every project where light really matters, simply efficient street lighting

CoreLine Malaga LED

The Philips CoreLine Malaga LED family consists of two sizes for urban street lighting. Both use a Philips LED engine as a light source and a Philips Xitanium driver - a combination that results in energy savings of 50%. CoreLine Malaga LED has been designed to be as efficient as possible. It offers the same performance as the SON-T 50, 70, 100 and 150W luminaires it replaces, providing the right amount of light in the right place. Furthermore, as the LED light engine in CoreLine Malaga LED will last for the lifetime of the luminaire, it will return your investment simply by saving on the multiple lamp replacements required with SON-T. With its extended gland feature, the CoreLine Malaga LED luminaire is easy to install with no need to open the luminaire 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. Special versions of Malaga lighting are available with extra options. However, these specials are manufactured to order only, and have a longer delivery time. The options include: Wide beam (DW) optic, additional surge protection device (10kV), Marine Salt Protection (MSP) paint finish, Micro Mini Pro photocell 35 Lux, a built-in (glass) 6A fuse, and a 3-meter external flying lead cable (H07RN-F). Not all these options can always be combined with each other. For more advice, please consult your Philips partner.

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Benefits

- Reliable quality: aluminum die-cast housing, tempered flat glass
- Easy return on investment: fewer lamp replacements (than SON-T) to save on costs, plus 50% energy savings to reduce annual running costs
- Durable operation (IP65, IK08)
- Easy maintenance, installation and spare part information with Signify Service tag (unique QR identification)

Features

- Direct, 1:1 replacement for SON-T lamps in road lighting, street lighting and urban lighting applications.
- Robust design with Philips standardized LED light platform and fixed output Philips Xitanium outdoor driver.
- Easy installation with extended gland - no need to open luminaire.
- 100,00 hours lifetime L70 (or 75,000 hours L80) at Tq +25 °C).
- 5-year warranty

Application

- Parking lots
- Industrial areas
- Public transport such as bus or tramway stops

Dimensional drawing

Product details



CoreLine_Malaga_LED-
BRP101_102-1DPP.TIF



CoreLine_Malaga_LED-
BRP101_102-2DPP.TIF

CoreLine Malaga LED

Product details



CoreLine_Malaga_LED-
BRP101_102-3DPP.TIF



CoreLine_Malaga_LED-
BRP101_102-4DPP.TIF



CoreLine_Malaga_LED-
BRP101_102-5DPP.TIF



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General Information

CE mark	Yes
Driver included	Yes
Flammability mark	-
Light source replaceable	No
Number of gear units	1 unit

Light Technical

Luminaire light beam spread	-
Light source color	740 neutral white
Correlated Color Temperature (Nom)	4000 K
Optical cover type	Flat glass
Color rendering index (CRI)	70
Standard tilt angle side entry	0°
Standard tilt angle posttop	-
Upward light output ratio	0

Controls and Dimming

Dimmable	No
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Mechanical and Housing

Housing Color	Gray
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Approval and Application

Mech. impact protection code	IK08
Ingress protection code	IP65

Application Conditions

Maximum dim level	Not applicable
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General Information

Order Code	Full Product Name	Lamp family code	Product family code	Service tag
910925865338	BRP101 LED37/740 I DM	LED37	BRP101	Yes
910925865339	BRP101 LED37/740 II DM	LED37	BRP101	-
910925865552	BRP101 LED37/740 II DW SDM10	LED37	BRP101	-
910925865553	BRP101 LED37/740 DM FU	LED37	BRP101	-
910925867783	BRP101 LED37/740 II DM MSP	LED37	BRP101	-
910925865340	BRP102 LED55/740 I DM	LED55	BRP102	-
910925865341	BRP102 LED55/740 II DM	LED55	BRP102	-
910925865342	BRP102 LED75/740 I DM	LED75	BRP102	-
910925865343	BRP102 LED75/740 II DM	LED75	BRP102	-
910925865344	BRP102 LED110/740 I DM	LED110	BRP102	-
910925865345	BRP102 LED110/740 II DM	LED110	BRP102	-
910925865554	BRP102 LED55/740 DW PZM-35	LED55	BRP102	-
910925865555	BRP102 LED75/740 II DM SDM10	LED75	BRP102	-
910925865556	BRP102 LED110/740 II DW FU	LED110	BRP102	-
910925868133	BRP102 LED55/740 II DM MSP	LED55	BRP102	-
910925868134	BRP102 LED75/740 II DM MSP	LED75	BRP102	-
910925868135	BRP102 LED110/740 II DM MSP	LED110	BRP102	-

Light Technical

Order Code	Full Product Name	Luminous Flux	Optic type outdoor
910925865338	BRP101 LED37/740 I DM	3,054 lm	Distribution medium
910925865339	BRP101 LED37/740 II DM	3,054 lm	Distribution medium
910925865552	BRP101 LED37/740 II DW SDM10	3,054 lm	Distribution wide
910925865553	BRP101 LED37/740 DM FU	3,054 lm	Distribution medium
910925867783	BRP101 LED37/740 II DM MSP	3,054 lm	Distribution medium
910925865340	BRP102 LED55/740 I DM	4,600 lm	Distribution medium
910925865341	BRP102 LED55/740 II DM	4,600 lm	Distribution medium
910925865342	BRP102 LED75/740 I DM	6,133 lm	Distribution medium
910925865343	BRP102 LED75/740 II DM	6,133 lm	Distribution medium

Order Code	Full Product Name	Luminous Flux	Optic type outdoor
910925865344	BRP102 LED110/740 I DM	9,006 lm	Distribution medium
910925865345	BRP102 LED110/740 II DM	9,006 lm	Distribution medium
910925865554	BRP102 LED55/740 DW PZM-35	4,600 lm	Distribution wide
910925865555	BRP102 LED75/740 II DM SDM10	6,133 lm	Distribution medium
910925865556	BRP102 LED110/740 II DW FU	9,006 lm	Distribution wide
910925868133	BRP102 LED55/740 II DM MSP	4,600 lm	Distribution medium
910925868134	BRP102 LED75/740 II DM MSP	6,133 lm	Distribution medium
910925868135	BRP102 LED110/740 II DM MSP	9,006 lm	Distribution medium

Operating and Electrical

Order Code	Full Product Name	Power Consumption
910925865338	BRP101 LED37/740 I DM	29.5 W
910925865339	BRP101 LED37/740 II DM	29.5 W
910925865552	BRP101 LED37/740 II DW SDM10	29.5 W
910925865553	BRP101 LED37/740 DM FU	29.5 W
910925867783	BRP101 LED37/740 II DM MSP	29.5 W
910925865340	BRP102 LED55/740 I DM	39.0 W

Order Code	Full Product Name	Power Consumption
910925865341	BRP102 LED55/740 II DM	39 W
910925865342	BRP102 LED75/740 I DM	56.5 W
910925865343	BRP102 LED75/740 II DM	56.5 W
910925865344	BRP102 LED110/740 I DM	83.0 W
910925865345	BRP102 LED110/740 II DM	83.0 W
910925865554	BRP102 LED55/740 DW PZM-35	39.0 W

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Order Code	Full Product Name	Power Consumption
910925865555	BRP102 LED75/740 II DM SDM10	56.5 W
910925865556	BRP102 LED110/740 II DW FU	83 W
910925868133	BRP102 LED55/740 II DM MSP	39 W

Order Code	Full Product Name	Power Consumption
910925868134	BRP102 LED75/740 II DM MSP	56.5 W
910925868135	BRP102 LED110/740 II DM MSP	83.0 W

Approval and Application

Order Code	Full Product Name	Surge Protection (Common/Differential)
910925865338	BRP101 LED37/740 I DM	Luminaire surge protection level until 4 kV differential mode and 4 kV common mode
910925865339	BRP101 LED37/740 II DM	Luminaire surge protection level until 4 kV differential mode and 4 kV common mode
910925865552	BRP101 LED37/740 II DW SDM10	Surge protection level until 10 kV differential mode
910925865553	BRP101 LED37/740 DM FU	Luminaire surge protection level until 4 kV differential mode and 4 kV common mode
910925867783	BRP101 LED37/740 II DM MSP	Luminaire surge protection level until 4 kV differential mode and 4 kV common mode
910925865340	BRP102 LED55/740 I DM	Luminaire surge protection level until 4 kV differential mode and 4 kV common mode
910925865341	BRP102 LED55/740 II DM	Luminaire surge protection level until 4 kV differential mode and 4 kV common mode
910925865342	BRP102 LED75/740 I DM	Luminaire surge protection level until 4 kV differential mode and 4 kV common mode
910925865343	BRP102 LED75/740 II DM	Luminaire surge protection level until 4 kV differential mode and 4 kV common mode

Order Code	Full Product Name	Surge Protection (Common/Differential)
910925865344	BRP102 LED110/740 I DM	Luminaire surge protection level until 4 kV differential mode and 4 kV common mode
910925865345	BRP102 LED110/740 II DM	Luminaire surge protection level until 4 kV differential mode and 4 kV common mode
910925865554	BRP102 LED55/740 DW PZM-35	Luminaire surge protection level until 4 kV differential mode and 4 kV common mode
910925865555	BRP102 LED75/740 II DM SDM10	Surge protection level until 10 kV differential mode
910925865556	BRP102 LED110/740 II DW FU	Luminaire surge protection level until 4 kV differential mode and 4 kV common mode
910925868133	BRP102 LED55/740 II DM MSP	Luminaire surge protection level until 4 kV differential mode and 4 kV common mode
910925868134	BRP102 LED75/740 II DM MSP	Luminaire surge protection level until 4 kV differential mode and 4 kV common mode
910925868135	BRP102 LED110/740 II DM MSP	Luminaire surge protection level until 4 kV differential mode and 4 kV common mode

Over Time Performance (IEC Compliant)

Order Code	Full Product Name	Driver failure rate at 5000 h
910925865338	BRP101 LED37/740 I DM	-
910925865339	BRP101 LED37/740 II DM	-
910925865552	BRP101 LED37/740 II DW SDM10	0.05 %
910925865553	BRP101 LED37/740 DM FU	0.05 %
910925867783	BRP101 LED37/740 II DM MSP	-
910925865340	BRP102 LED55/740 I DM	-
910925865341	BRP102 LED55/740 II DM	-
910925865342	BRP102 LED75/740 I DM	-
910925865343	BRP102 LED75/740 II DM	-

Order Code	Full Product Name	Driver failure rate at 5000 h
910925865344	BRP102 LED110/740 I DM	-
910925865345	BRP102 LED110/740 II DM	-
910925865554	BRP102 LED55/740 DW PZM-35	0.05 %
910925865555	BRP102 LED75/740 II DM SDM10	0.05 %
910925865556	BRP102 LED110/740 II DW FU	0.05 %
910925868133	BRP102 LED55/740 II DM MSP	-
910925868134	BRP102 LED75/740 II DM MSP	-
910925868135	BRP102 LED110/740 II DM MSP	-

