



CoreLine Malaga LED

BRP101 LED44/740 II DM

CoreLine Malaga LED, Road & street light, 25 W, 3784 lm, 4000 K, CRI70, Distribution medium, Safety class II, IP65, SRG4-4

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.

Product data

General Information	
Lamp family code	LED44 [LED module 4400 lm]
Number of gear units	1 unit
Driver included	Yes
Light source engine type	LED
Service tag	Yes

Value ladder	Performance
Warranty period	5 years
Sustainability rating	-
Light Technical	
Upward light output ratio	0

Datasheet, 2025, March 17 data subject to change

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Limited Life Properties (Principal Street (Principal Street)				
Improve Difficacy (rated) (Non)	Luminous Flux	3,784 lm	Dimensions (Height x Width x Depth)	78 x 217 x 333 mm
Culpit source color	Correlated Color Temperature (Nom)	4000 K	Optical finish	Clear
Light source color	Luminous Efficacy (rated) (Nom)	135 lm/W	Ingress protection code	IP65 [Dust penetration-protected, jet-
Standard titl angle position	Color rendering index (CRI)	70		proof]
Optic type outdoor Destination medium Standard tilt angle side entry 0° Effective projected area 0.025 m² Optical cover type Rist dlass Operating and Electrical Input Voitage 220 to 240 V Limital CLD power consumption N/A W W Approval and Application United CLD power consumption N/A W W EMC cmark PNEC cmink End CLD power consumption N/A W W W EMC cmark PNEC cmink Power Consumption 3/A W W W EMC cmark PNEC cmink Power Consumption 5/5 W Photobiological risk	Light source color	740 neutral white	Mech. impact protection code	IK08 [5 J vandal-protected]
	Luminaire light beam spread		Standard tilt angle posttop	-
Net Weight (Piece)	Optic type outdoor	Distribution medium	Standard tilt angle side entry	O°
Content Cont	Effective projected area	0.0225 m²	Optical cover type	Flat glass
Imput Voltage			Net Weight (Piece)	2.200 kg
Line Frequency	Operating and Electrical			
Initial CLO power consumption N/A W W W Average CLO power consumption N/A W W W Inrush current 7.1 A Inrush time 6.12 ms Power Consumption 25 W Power Factor (Fraction) 0.97 Connection Path-in connector and pull relate Clable	Input Voltage	220 to 240 V	Approval and Application	
Average CLO power consumption	Line Frequency	50 to 60 Hz	Flammability mark	-
End CLO power consumption N/A W W W Inrush Current 7:1A EN82778 Prover Consumption 25 W Power Factor (Fraction) 0.97 Connection Push-in-connector and pull relief Cable	Initial CLO power consumption	N/A W W W	CE mark	Yes
Inrush current	Average CLO power consumption	N/A W W	ENEC mark	ENEC mark
Fruith time Gi 2 ms EU RoMS compliant Yes	End CLO power consumption	N/A W W W	Photobiological risk	Photobiological risk group 1 @200mm to
Power Consumption 25 W Performance ambient temperature Tq 25 °C Ambier of Products on MCB of 16 A type B 11 Initial Performance (IEC Compliant) Limitous flux tolerance 1/-7% Initial Performance (IEC Compliant) Composition flux flux flux flux flux flux flux flux	Inrush current	7.1 A		EN62778
Non-infection Push-in-connector and pull relief	Inrush time	61.2 ms	EU RoHS compliant	Yes
Cable - Initial Performance (IEC Compliant) Number of products on MCB of 16 A type B 11 Luminous flux tolerance	Power Consumption	25 W	Performance ambient temperature Tq	25 °C
Initial Performance (IEC Compliant) Luminous flux tolerance 1/-7% Luminous flux tolerance 1/-7% Luminous flux tolerance 1/-7%	Power Factor (Fraction)	0.97	Ambient temperature range	-40 to +35 °C
Number of products on MCB of 16 A type B 11	Connection	Push-in connector and pull relief		
Protection class IEC Safety class II Initial chromaticity (0.41, 0.39) SDCM ≤5 Surge Protection (Common/Differential) Luminaire surge protection level until 4 kV differential mode and 4 kV common mode Feed-through wiring - Over Time Performance (IEC Compliant) Controls and Dimming - Over Time Performance (IEC Compliant) Control gear failure rate at median useful life 5% S0000 h Control gear failure rate at median useful life 5% S0000 h Control gear failure rate at median useful life 5% Control gear failure rate at median useful life 10% Feed-through wiring 7 hower supply unit (On/Off) 100000 h Control gear failure rate at median useful life 5% S0000 h Lumen maintenance (EN-IEC 62722-2-1) at median useful life 100000 h Lumen maintenance (EN-IEC 62722-2-1) at median useful life 500000 h Lumen maintenance (EN-IEC 62722-2-1) at median useful life 100000 h Mechanical and Housing 8 Housing Material Aluminum die cast Product Data Order product name 8RPIOI LED44/740 II DM Optical cover material Polymethyl methacrylate Full product name 8RPIOI LED44/740 II DM Optical cover material Aluminum Order code 910925869856 Housing Color Gray Material Nr. (I2NC) 910925869856 Material Nr. (I2NC) 910925869856 Material Nr. (I2NC) 910925869856 Material Nr. (I2NC) 910925869856 Numerator - Packs per outer box 1 EAN/UPC - Product/Case 8720169471856 Optical cover shape Flat Numerator - Packs per outer box 1 EAN/UPC - Case 8720169471856 Poduct family code 8RPIOI (Eoreline Malaga LED small) Overall length 333 mm	Cable	-	Initial Performance (IEC Compliant)	
Lurinaire surge protection (common/Differential) KV differential mode and 4 kV common mode	Number of products on MCB of 16 A type B	11	Luminous flux tolerance	+/-7%
Init. Color Rendering Index Tolerance	Protection class IEC	Safety class II	Initial chromaticity	(0.41, 0.39) SDCM ≤5
Feed-through wiring - Over Time Performance (IEC Compliant) Control gear failure rate at median useful life 5% 50000 h Control gear failure rate at median useful life 10% Driver/power unit/transformer Power supply unit (On/Off) 100000 h Constant light output No Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 50000 h Maximum dim level Not applicable median useful life* 100000 h Maximum dim level Not applicable median useful life* 100000 h Mechanical and Housing Housing Material Aluminum die cast Product Data Optical cover material Polymethyl methacrylate Optical cover material Aluminum Optical cover material Aluminum Optical cover material Aluminum Housing Color Gray Material Aluminum Optical cover shape Flat Numerator 42 to 60 mm adjustable Optical cover shape Flat Numerator Packs per outer box 1 EAN/UPC - Product/Case 8720169471856 Product family code BRP101 [CoreLine Malaga LED small] Overall length 333 mm Overall length 217 mm	Surge Protection (Common/Differential)	Luminaire surge protection level until 4	Power consumption tolerance	+/-10%
Controls and Dimming Control gear failure rate at median useful life 5%		kV differential mode and 4 kV common	Init. Color Rendering Index Tolerance	+/-2
Controls and Dimming Dimmable No Driver/power unit/transformer Power supply unit (On/Off) Constant light output No Maximum dim level Not applicable Photocell		mode		
Controls and Dimming Dimmable No Control gear failure rate at median useful life 10 % Constant light output No Maximum dim level Not applicable Photocell Lumen maintenance (EN-IEC 62722-2-1) at median useful life' 100000 h Lumen maintenance (EN-IEC 62722-2-1) at median useful life' 50000 h Lumen maintenance (EN-IEC 62722-2-1) at median useful life' 100000 h Mechanical and Housing Housing Material Aluminum die cast Reflector material Polymethyl methacrylate Optical cover material Tempered glass Fixation material Aluminum Optical cover material Aluminum Order code Universal for diameter 42 to 60 mm adjustable Optical cover shape Filat Optical cover finish Clear Reflector Finish - Overall length 333 mm 50000 h Control gear failure rate at median useful life 10 % Control gear failure rate at median useful life 10 % Control gear failure rate at median useful life 10 % Control gear failure rate at median useful life 10 % Control gear failure rate at median useful life 10 % Lumen maintenance (EN-IEC 62722-2-1) at L70 LTO Lumen maintenance (EN-IEC 62722-2-1) at L70 LTO Lumen maintenance (EN-IEC 62722-2-1) at L70 Full product Data Order product name BRPIOI LED44/740 DM Full product name BRPIOI LED44/740 DM Full product code BRPIOI LED44/740 DM Full product code BRPIOI LED44/740 DM Material Nr. (12NC) 910925869856 Material Nr. (12NC) 910925869856 Material Nr. (12NC) 910925869856 Numerator - Quantity Per Pack 1 EAN/UPC - Product/Case BR720169471856 Product family code BRPIOI [CoreLine Malaga LED small]	Feed-through wiring		Over Time Performance (IEC Compliant)
Dimmable No Control gear failure rate at median useful life 10 % Driver/power unit/transformer Power supply unit (On/Off) 100000 h Lumen maintenance (EN-IEC 62722-2-1) at 100000 h Lumen maintenance (EN-IEC 62722-2-1) at 100000 h Lumen maintenance (EN-IEC 62722-2-1) at 100000 h Maximum dim level Not applicable median useful life* 50000 h Lumen maintenance (EN-IEC 62722-2-1) at 100000 h Mechanical and Housing Housing Material Aluminum die cast Product Data Order product name BRP101 LED44/740 II DM Optic material Polymethyl methacrylate Full product name BRP101 LED44/740 II DM Optical cover material Tempered glass Full product code 872016947185600 Order code 910925869856 Housing Color Gray Material Numinum Order code 910925869856 Mounting device Universal for diameter 42 to 60 mm adjustable Optical cover shape Flat Numerator - Quantity Per Pack 1 Optical cover finish Clear EAN/UPC - Case 8720169471856 Product family code BRP101 [CoreLine Malaga LED small] Overall length 333 mm Overall length 217 mm			Control gear failure rate at median useful life	5 %
Driver/power unit/transformer	Controls and Dimming		50000 h	
Constant light output No Maximum dim level Not applicable Photocell - Mechanical and Housing Housing Material Aluminum die cast Peflector material Polymethyl methacrylate Optical cover material Aluminum Fixation material Aluminum Order code 910925869856 Housing Color Gray Material Nr. (12NC) 910925869856 Mounting device Universal for diameter 42 to 60 mm adjustable Optical cover shape Optical cover finish Clear Reflector Finish Overall width 217 mm	Dimmable	No	Control gear failure rate at median useful life	10 %
Maximum dim level Not applicable median useful life* 50000 h Photocell - Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 100000 h L70 Mechanical and Housing Housing Material Aluminum die cast Product Data Optic material Polymethyl methacrylate Full product name BRP101 LED44/740 II DM Optical cover material Tempered glass Full product code 872016947185600 Fixation material Aluminum Order code 910925869856 Housing Color Gray Material Nr. (12NC) 910925869856 Mounting device Universal for diameter 42 to 60 mm adjustable EAN/UPC - Product/Case 8720169471856 Optical cover shape Flat Numerator - Packs per outer box 1 Optical cover finish Clear EAN/UPC - Case 8720169471856 Reflector Finish - Product family code BRP101 [CoreLine Malaga LED small]	Driver/power unit/transformer	Power supply unit (On/Off)	100000 h	
Photocell - Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 100000 h Mechanical and Housing Housing Material Aluminum die cast Product Data Order product name BRP101 LED44/740 DM Full product name BRP101 LED44/740 DM Full product code 872016947185600 Order code 101viversal for diameter 42 to 60 mm adjustable Optical cover shape Fiat Optical cover finish Clear Reflector Finish - Coverall width 217 mm Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 100000 h Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 100000 h Lame maintenance (EN-IEC 62722-2-1) at median useful life* 100000 h Lame maintenance (EN-IEC 62722-2-1) at median useful life* 100000 h Lame maintenance (EN-IEC 62722-2-1) at median useful life* 100000 h Lame maintenance (EN-IEC 62722-2-1) at median useful life* 100000 h Lame maintenance (EN-IEC 62722-2-1) at median useful life* 100000 h Lame maintenance (EN-IEC 62722-2-1) at median useful life* 100000 h Lame maintenance (EN-IEC 62722-2-1) at median useful life* 100000 h Lame maintenance (EN-IEC 62722-2-1) at median useful life* 100000 h Lame maintenance (EN-IEC 62722-2-1) at median useful life* 100000 h Product Data Product name BRP101 LED44/740 DM Full product name BRP101 LED44/740 DM Full product name BRP101 LED44/740 DM Product 1DM Product code BRP101 LED44/740 DM Product Product Code BRP101 [CoreLine Malaga LED small] Product family code BRP101 [CoreLine Malaga LED small]	Constant light output	No	Lumen maintenance (EN-IEC 62722-2-1) at	L98
median useful life* 100000 h Mechanical and Housing Housing Material Aluminum die cast Product Data Reflector material - Order product name BRP101 LED44/740 II DM Optic material Polymethyl methacrylate Full product name BRP101 LED44/740 II DM Optical cover material Tempered glass Full product code 872016947185600 Fixation material Aluminum Order code 910925869856 Housing Color Gray Material Nr. (12NC) 910925869856 Mounting device Universal for diameter 42 to 60 mm adjustable Numerator - Quantity Per Pack 1 EAN/UPC - Product/Case 8720169471856 Optical cover shape Flat Numerator - Packs per outer box 1 Coptical cover finish Clear EAN/UPC - Case 8720169471856 Reflector Finish - EAN/UPC - Case 8720169471856 Product family code BRP101 [CoreLine Malaga LED small] Overall length 333 mm Overall width 217 mm	Maximum dim level	Not applicable	median useful life* 50000 h	
Mechanical and Housing Housing Material Aluminum die cast Product Data Reflector material - Order product name BRP101 LED44/740 II DM Optic material Polymethyl methacrylate Full product name BRP101 LED44/740 II DM Optical cover material Tempered glass Full product code 872016947185600 Fixation material Aluminum Order code 910925869856 Housing Color Gray Material Nr. (12NC) 910925869856 Mounting device Universal for diameter 42 to 60 mm adjustable Numerator - Quantity Per Pack 1 EAN/UPC - Product/Case 8720169471856 Optical cover shape Flat Numerator - Packs per outer box 1 Optical cover finish Clear EAN/UPC - Case 8720169471856 Reflector Finish - Product family code BRP101 [CoreLine Malaga LED small] Overall length 333 mm Overall width 217 mm	Photocell		Lumen maintenance (EN-IEC 62722-2-1) at	L70
Housing Material Aluminum die cast Product Data Reflector material - Order product name BRP101 LED44/740 II DM Optic material Polymethyl methacrylate Full product code BRP101 LED44/740 II DM Optical cover material Tempered glass Full product code 872016947185600 Fixation material Aluminum Order code 910925869856 Housing Color Gray Material Nr. (12NC) 910925869856 Mounting device Universal for diameter 42 to 60 mm adjustable Numerator - Quantity Per Pack 1 Optical cover shape Flat Numerator - Packs per outer box 1 Optical cover finish Clear EAN/UPC - Case 8720169471856 Reflector Finish - Product family code BRP101 [CoreLine Malaga LED small] Overall length 333 mm Overall width 217 mm			median useful life* 100000 h	
Reflector material - Order product name BRP101 LED44/740 II DM Optic material Polymethyl methacrylate Full product name BRP101 LED44/740 II DM Optical cover material Tempered glass Full product code 872016947185600 Fixation material Aluminum Order code 910925869856 Housing Color Gray Material Nr. (12NC) 910925869856 Mounting device Universal for diameter 42 to 60 mm adjustable EAN/UPC - Product/Case 8720169471856 Optical cover shape Flat Numerator - Packs per outer box 1 Optical cover finish Clear EAN/UPC - Case 8720169471856 Reflector Finish - Product family code BRP101 [CoreLine Malaga LED small] Overall length 333 mm Overall width 217 mm	Mechanical and Housing			
Optical cover material Optical cover material Full product code 872016947185600 Fixation material Aluminum Order code 910925869856 Housing Color Gray Material Nr. (12NC) 910925869856 Mounting device Universal for diameter 42 to 60 mm adjustable EAN/UPC - Product/Case Optical cover shape Optical cover finish Clear Reflector Finish Overall length 333 mm Overall width Polymethyl methacrylate Full product name BRP101 LED44/740 II DM BRP101 LED44/740 II DM 872016947185600 8720169471856 BRP101 [CoreLine Malaga LED small]	Housing Material	Aluminum die cast		
Optical cover material Aluminum Order code Housing Color Mounting device Universal for diameter 42 to 60 mm adjustable Optical cover shape Optical cover finish Clear Reflector Finish Overall length Overall width Tempered glass Full product code 872016947185600 Material Nr. (12NC) 910925869856 Numerator - Quantity Per Pack 1 EAN/UPC - Product/Case 8720169471856 Product family code BRP101 [CoreLine Malaga LED small]	Reflector material		Order product name	BRP101 LED44/740 II DM
Fixation material Aluminum Order code 910925869856 Housing Color Gray Material Nr. (12NC) 910925869856 Mounting device Universal for diameter 42 to 60 mm adjustable EAN/UPC - Product/Case 8720169471856 Optical cover shape Flat Numerator - Packs per outer box 1 Optical cover finish Clear EAN/UPC - Case 8720169471856 Reflector Finish - Product family code BRP101 [CoreLine Malaga LED small] Overall length 333 mm Overall width 217 mm	Optic material	Polymethyl methacrylate	 	BRP101 LED44/740 II DM
Housing Color Gray Material Nr. (12NC) Mounting device Universal for diameter 42 to 60 mm adjustable EAN/UPC - Product/Case Optical cover shape Flat Numerator - Packs per outer box 1 Optical cover finish Clear EAN/UPC - Case Reflector Finish - Product family code BRP101 [CoreLine Malaga LED small] Overall length Overall width 217 mm	Optical cover material	Tempered glass	- '	
Mounting device Universal for diameter 42 to 60 mm adjustable EAN/UPC - Product/Case Optical cover shape Flat Numerator - Packs per outer box 1 Optical cover finish Clear EAN/UPC - Case 8720169471856 EAN/UPC - Case 8720169471856 Reflector Finish - Product family code BRP101 [CoreLine Malaga LED small] Overall length Overall width 217 mm	Fixation material	Aluminum		910925869856
adjustable EAN/UPC - Product/Case 8720169471856 Optical cover shape Flat Numerator - Packs per outer box 1 Optical cover finish Clear EAN/UPC - Case 8720169471856 Reflector Finish - Product family code BRP101 [CoreLine Malaga LED small] Overall length 333 mm Overall width 217 mm	Housing Color	Gray	Material Nr. (12NC)	910925869856
Optical cover shape Flat Optical cover finish Clear Reflector Finish - Overall length Overall width 1 Numerator - Packs per outer box 1 EAN/UPC - Case BR720169471856 Product family code BRP101 [CoreLine Malaga LED small]	Mounting device	Universal for diameter 42 to 60 mm	Numerator - Quantity Per Pack	1
Optical cover finish Clear Reflector Finish - Overall length 333 mm Overall width 217 mm		adjustable		8720169471856
Reflector Finish - Product family code BRP101 [CoreLine Malaga LED small] Overall length 333 mm Overall width 217 mm	Optical cover shape	Flat	Numerator - Packs per outer box	1
Overall length 333 mm Overall width 217 mm	Optical cover finish	Clear	EAN/UPC - Case	8720169471856
Overall width 217 mm	Reflector Finish		Product family code	BRP101 [CoreLine Malaga LED small]
	Overall length	333 mm		
Overall height 78 mm	Overall width	217 mm		
	Overall height	78 mm		

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Dimensional drawing







