MASTER LEDspot LV

MASTER LED 8-50W+ 827 MR16 36D Dim CN

Delivering intense accent beam, MASTER LEDspot LV is an ideal retrofit solution for spot lighting. MASTER LEDspot LV is designed to replace halogen or incandescent spots. It realizes natural colors, enables cozy and comfortable ambience for residential, hospitality and emphasizes the beauty of merchandise in retail. New smaller housing provides perfect fitting with majority of luminaires in a market with a MR16 GU 5.3 holder. It not only employs Philips' patented solution to guarantee the broadest possible compatibility with standard 12V halogen electronic transformers, it also delivers high beam intensity which is equivalent to halogen MR16 spots. The dimming function enables to create the desired atmosphere and it works with broad selection of dimmers. Its high SDCM ensure stricter color consistency, that is maintained over product life. MASTER LEDspot LV delivers huge energy savings and minimizes maintenance cost without any compromise on light quality and lifetime, enabling residential and business owners to achieve a return on their investment within short period time.

Product data

General Information

Cap-Base	GU5.3 [GU5.3]
Nominal lifetime	40,000 hour(s)
Switching Cycle	50,000
Lighting Technology	LED
EU RoHS compliant	Yes

Light Technical

Color Code	827 [CCT of 2700K]
Beam Angle (Nom)	36 degree(s)
Luminous Flux	660 lm
Luminous Intensity (Nom)	1,700 cd
Color Designation	Warm White (WW)

Correlated Color Temperature (Nom)	2700 K
Luminous Efficacy (rated) (Nom)	82.00 lm/W
Color Consistency	<4
Color rendering index (CRI)	80
LLMF At End Of Nominal Lifetime (Nom)	70 %

Operating and Electrical

Line Frequency	– Hz
Input Frequency	– Hz
Power Consumption	8 W
Lamp Current (Nom)	960 mA
Wattage Equivalent	50 W
Starting Time (Nom)	0.5 s

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Warm-up time to 60% light	0.5 s		**Energy Consumption kWh/1000 h**	9 kWh
Power Factor (Fraction)	0.7			
Voltage (Nom)	12 V		**Product Data**	
			Order product name	MASTER LED 8-50W+ 827 MR16 36D Dim CN
Temperature			**Full product name**	MASTER LED 8-50W+ 827 MR16 36D Dim CN
T-Case Maximum (Nom)	100 ℃		**Full product code**	692234190557500
			Order code	929001881610
Controls and Dimming			**Material Nr. (12NC)**	929001881610
Dimmable	Yes		**Numerator - Quantity Per Pack**	1
			EAN/UPC - Product/Case	6922341905575
Mechanical and Housing			**Numerator - Packs per outer box**	10
Bulb Shape	MR16 [2inch/50mm]		**EAN/UPC - Case**	6922341905582
Approval and Application				
Suitable For Accent Lighting	Yes			

Dimensional drawing
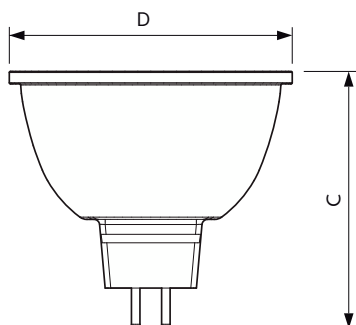
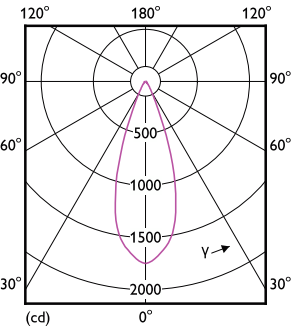| Product	D	C
MASTER LED 8-50W+ 827 MR16 36D Dim CN	50.5 mm	46.5 mm

Photometric data
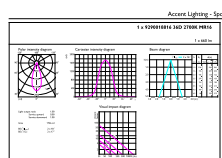
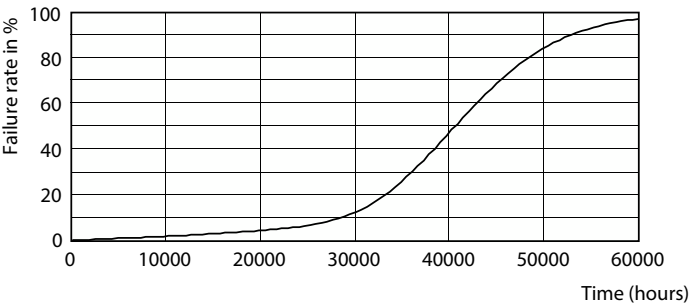| Spectral Power Distribution Colour - MASTER LED 8-50W+ 827 MR16 36D Dim CN	Accent Lighting Spots - MASTER LED 8-50W+ 827 MR16 36D Dim CN

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Photometric data

Light Distribution Diagram – MASTER LED 8–50W+ 827 MR16 36D Dim CN

Lifetime

Lumen Maintenance Diagram – MASTER LED 8–50W+ 827 MR16 36D Dim CN

Life Expectancy Diagram – MASTER LED 8–50W+ 827 MR16 36D Dim CN