

LED MR16

8.5MR16/LED/830/F25/DIM 12V 10/1FB

Philips LED MR-16 lamps with single optic technology provide the look and color quality of traditional halogens while using a fraction of the energy. A perfect fit for spot lighting, they are compatible with most existing fixtures with MR16 GU5.3 holders and are designed as a retrofit replacement for halogen or incandescent spots.

Product data

General Information	
Cap-Base	GU5.3 [GU5.3]
Nominal lifetime	25,000 hour(s)
Switching Cycle	50,000
Lighting Technology	LED
EU RoHS compliant	Yes

Light Technical	
Color Code	830 [CCT of 3000K]
Beam Angle (Nom)	25 degree(s)
Luminous Flux	620 lm
Luminous Intensity (Nom)	3,250 cd
Color Designation	White (WH)
Correlated Color Temperature (Nom)	3000 K
Luminous Efficacy (rated) (Nom)	72.00 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	8.5 W
Lamp Current (Nom)	960 mA
Wattage Equivalent	50 W
Starting Time (Nom)	0.5 s
Warm-up time to 60% light	0.5 s
Power Factor (Fraction)	0.7
Voltage (Nom)	ac electronic 12 V

Temperature	
T-Case Maximum (Nom)	100 °C

Controls and Dimming	
Dimmable	Yes

Mechanical and Housing	
Bulb Finish	Clear
Bulb Material	Aluminum
Bulb Shape	MR16 [2inch/50mm]

Approval and Application	
Suitable For Accent Lighting	Yes

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Energy Consumption kWh/1000 h	- kWh

Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	046677533175
Numerator - Packs per outer box	10
EAN/UPC - Case	50046677533170

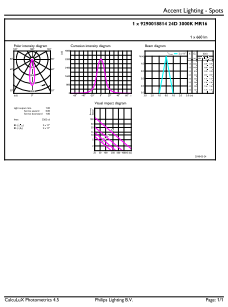
Product Data

Order product name	8.5MR16/LED/830/F25/DIM 12V 10/1FB
Full product name	8.5MR16/LED/830/F25/DIM 12V 10/1FB
Order code	929001881404
Material Nr. (12NC)	929001881404

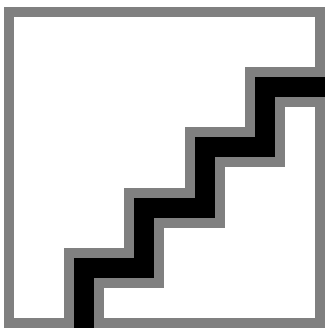
Dimensional drawing

Product	D	C
8.5MR16/LED/830/F25/DIM 12V 10/1FB	50.5 mm	46.5 mm

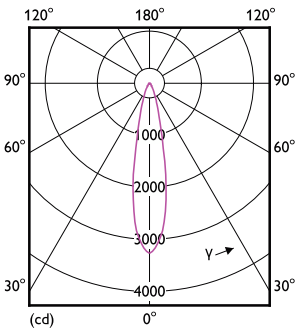
Photometric data



Accent Lighting Spots - 8.5MR16/LED/830/F25/DIM 12V 10/1FB



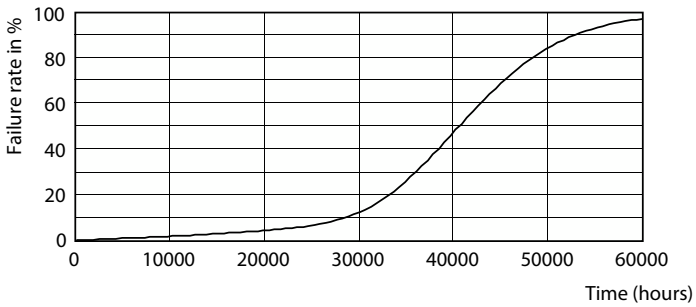
Spectral Power Distribution Colour - 8.5MR16/LED/830/F25/DIM 12V 10/1FB



Light Distribution Diagram - 8.5MR16/LED/830/F25/DIM 12V 10/1FB

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Lifetime



Lumen Maintenance Diagram - 8.5MR16/LED/830/F25/DIM 12V 10/1FB

Life Expectancy Diagram - 8.5MR16/LED/830/F25/DIM 12V 10/1FB

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