PHILIPS

Lighting



Classic heritage design

Classic LEDspotMV

Featuring a classic heritage design, Classic LEDspotMV delivers warm halogen-like light while saving around 90% on energy costs. It is compatible with most existing fixtures with a GU10 holder and is designed as a retrofit replacement for halogen or incandescent spots. LED lamps deliver significant energy savings and minimize maintenance costs.

Benefits

- Long lifetime
- Huge energy savings
- Low heat generation.

Features

- Classic heritage design
- Easy retrofit
- Energy-efficient

Application

- Operating temperature range is between -20 °C and 45 °C ambient
- Only to be used in dry indoor environments; can be used in most open fixtures with GU10 lamp holders that offer sufficient space (10 mm free air space)
- Not intended for use with emergency lighting fixtures or exit lights

Classic LEDspotMV

Versions

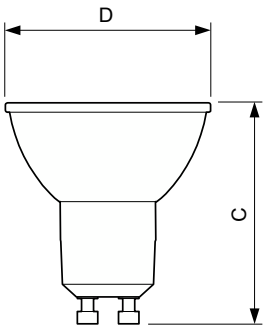


LEDspotMV GU10 MR16 ND



CorePro LEDspot MV 25W GU10 830 36D

Dimensional drawing



Product	D	C
Essential LED 4.6-50W GU10 827 36D	50 mm	54 mm
Essential LED 4.6-50W GU10 830 36D	50 mm	54 mm

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General Information	
Cap-Base	GU10
Switching Cycle	50,000
Nominal lifetime	15,000 hour(s)

Light Technical	
Beam Angle (Nom)	36 degree(s)
Color rendering index (CRI)	80
LLMF At End Of Nominal Lifetime (Nom)	70 %

Operating and Electrical	
Input Frequency	50 to 60 Hz
Line Frequency	50 to 60 Hz
Power Consumption	4.6 W
Starting Time (Nom)	0.5 s
Wattage Equivalent	50 W

Controls and Dimming	
Dimmable	No

Mechanical and Housing	
Bulb Shape	PAR16

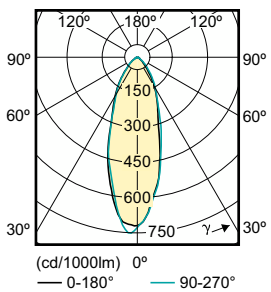
Approval and Application	
Energy Consumption kWh/1000 h	5 kWh

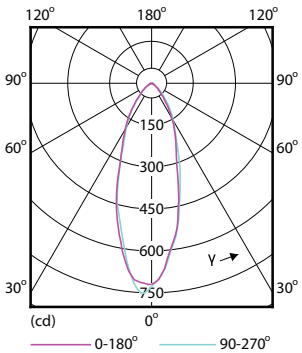
Light Technical

Order Code	Full Product Name	Correlated Color Temperature (Nom)	Color Code	Luminous Flux	Luminous Intensity (Nom)
929001215208	Essential LED 4.6-50W GU10 827 36D	2700 K	827	395 lm	700 cd
929001218108	Essential LED 4.6-50W GU10 830 36D	3000 K	830	410 lm	740 cd

Temperature

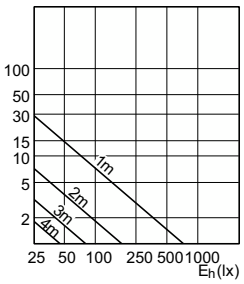
Order Code	Full Product Name	T-Case Maximum (Nom)
929001215208	Essential LED 4.6-50W GU10 827 36D	78 °C
929001218108	Essential LED 4.6-50W GU10 830 36D	85 °C

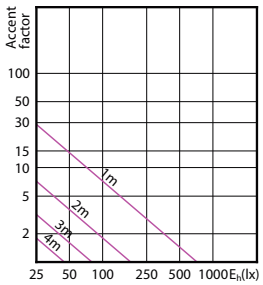




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Accent Diagrams

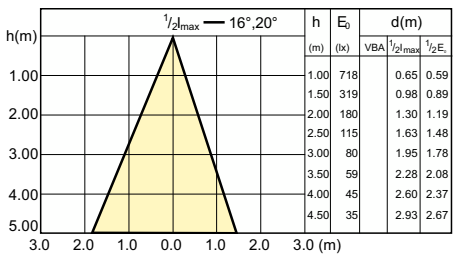




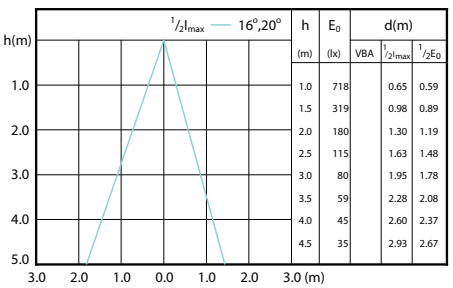
Accent Diagram - Essential LED 4.6-50W GU10 827 36D

Accent Diagram - Essential LED 4.6-50W GU10 830 36D

Beam Diagrams



h (m)	E_0 (lx)	d(m) VBA	d(m) $^1/_2I_{max}$	d(m) $^1/_2E_0$
1.00	718		0.65	0.59
1.50	319		0.98	0.89
2.00	180		1.30	1.19
2.50	115		1.63	1.48
3.00	80		1.95	1.78
3.50	59		2.28	2.08
4.00	45		2.60	2.37
4.50	35		2.93	2.67



h (m)	E_0 (lx)	d(m) VBA	d(m) $^1/_2I_{max}$	d(m) $^1/_2E_0$
1.0	718		0.65	0.59
1.5	319		0.98	0.89
2.0	180		1.30	1.19
2.5	115		1.63	1.48
3.0	80		1.95	1.78
3.5	59		2.28	2.08
4.0	45		2.60	2.37
4.5	35		2.93	2.67

Beam diagram - Essential LED 4.6-50W GU10 827 36D

Beam diagram - Essential LED 4.6-50W GU10 830 36D

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