PHILIPS

Lighting



The perfect replacement for mains voltage halogen spots

MASTER LED Lamps

Delivering a warm, halogen/incandescent-like accent beam, MASTER LED lamp is an ideal retrofit solution for spot and general lighting applications in the hospitality industry. It is particularly suited to public areas such as receptions, lobbies, corridors, stairwells and washrooms, where the light is on all the time.MASTER LED delivers huge energy savings and minimizes maintenance cost without any compromise on brightness, enabling hospitality owners to achieve a fast return on their investment. These LED lamps are compatible with most fixtures and designed as a retrofit replacement alternative for halogen lamps or incandescent lamps.

Benefits

• Lower maintenance cost
• Up to 80% energy saving compared with halogen or incandscent lamps
• Elegant outline design

Features

• Warm white light
• Functional lighting
• Energy saving
• Longer lifetime compared with incandessent or halogen lamps
• Retrofit and compatible with existing fixtures with E27/GU10 holder for easy installation
• Free of mercury and hazardous materials

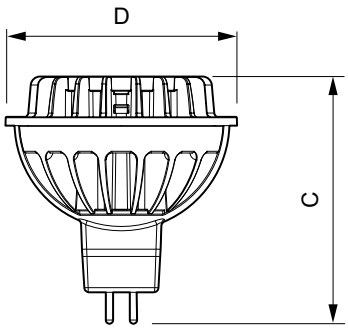
Application

• Hotels, restaurants, bars, cafés
• Lobbies, corridors, stairwells, washrooms, reception areas

Versions



Dimensional drawing



Product	D	C
MASTER LED 7-50W 2700K MR16 15D Dim	54 mm	50 mm
MASTER LED 7-50W 4000K MR16 24D Dim	54 mm	50 mm
MASTER LED 7-50W 2700K MR16 24D Dim	54 mm	50 mm

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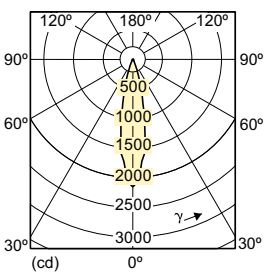
Approval and Application	
Energy Consumption kWh/1000 h	8 kWh
Energy Efficiency Label (EEL)	A
Controls and Dimming	
Dimmable	Yes
Operating and Electrical	
Input Frequency	50 to 60 Hz
Voltage (Nom)	12 V
Wattage Equivalent	50 W
Power (Rated) (Nom)	7 W
Starting Time (Nom)	0.5 s
General Information	
Cap-Base	GU5.3
Nominal Lifetime (Nom)	40000 h
Rated Lifetime (Hours)	40000 h
Switching Cycle	50000X
Light Technical	
Colour Rendering Index (Nom)	80
Llmf At End Of Nominal Lifetime (Nom)	70 %
Mechanical and Housing	
Bulb Shape	MR16
Temperature	
T-Case Maximum (Nom)	110 °C

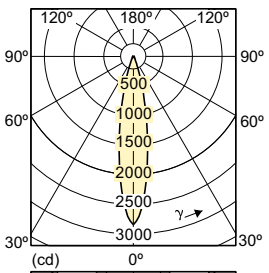
Light Technical (1/2)

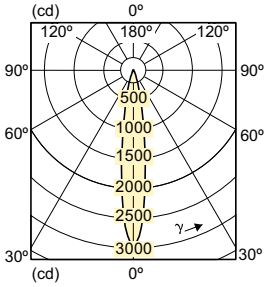
Order Code	Full Product Name	Beam Angle (Nom)	Colour Code	Correlated Colour Temperature (Nom)	Light Distribution
25972500	MASTER LED 7-50W 2700K MR16 24D Dim	24 °	827	2700 K	24D
25976300	MASTER LED 7-50W 4000K MR16 24D Dim	24 °	841	4000 K	24D
72218200	MASTER LED 7-50W 2700K MR16 15D Dim	15 °	827	2700 K	-

Light Technical (2/2)

Order Code	Full Product Name	Luminous Flux (Nom)	Luminous Flux (Rated) (Nom)	Luminous Intensity (Nom)	Rated Beam Angle
25972500	MASTER LED 7-50W 2700K MR16 24D Dim	420 lm	420 lm	2100 cd	24 °
25976300	MASTER LED 7-50W 4000K MR16 24D Dim	470 lm	470 lm	2350 cd	24 °
72218200	MASTER LED 7-50W 2700K MR16 15D Dim	380 lm	380 lm	2900 cd	15 °

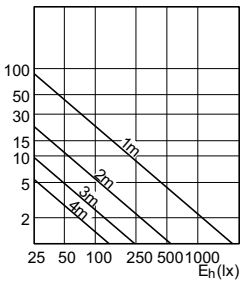


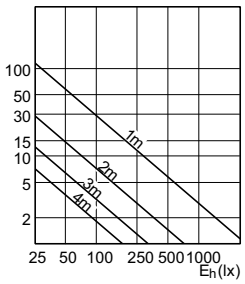


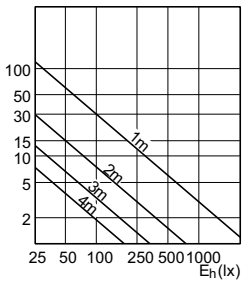


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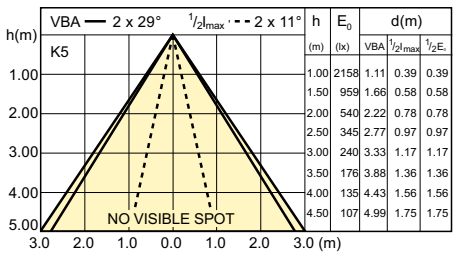
Accent Diagrams



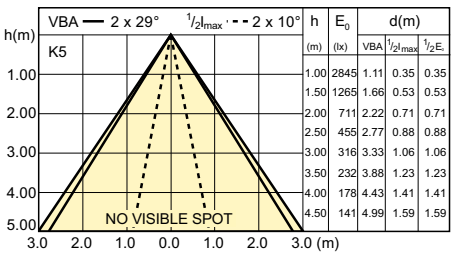




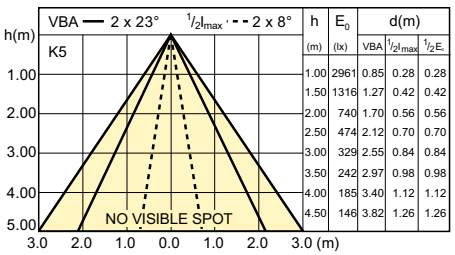
Beam Diagrams



h	E_0	d(m)		
(m)	(lx)	VBA	$^1/_2I_{max}$	$^1/_2E_0$
1.00	2158	1.11	0.39	0.39
1.50	959	1.66	0.58	0.58
2.00	540	2.22	0.78	0.78
2.50	345	2.77	0.97	0.97
3.00	240	3.33	1.17	1.17
3.50	176	3.88	1.36	1.36
4.00	135	4.43	1.56	1.56
4.50	107	4.99	1.75	1.75



h	E_0	d(m)		
(m)	(lx)	VBA	$^1/_2I_{max}$	$^1/_2E_0$
1.00	2845	1.11	0.35	0.35
1.50	1265	1.66	0.53	0.53
2.00	711	2.22	0.71	0.71
2.50	455	2.77	0.88	0.88
3.00	316	3.33	1.06	1.06
3.50	232	3.88	1.23	1.23
4.00	178	4.43	1.41	1.41
4.50	141	4.99	1.59	1.59



h	E_0	d(m)		
(m)	(lx)	VBA	$^1/_2I_{max}$	$^1/_2E_0$
1.00	2961	0.85	0.28	0.28
1.50	1316	1.27	0.42	0.42
2.00	740	1.70	0.56	0.56
2.50	474	2.12	0.70	0.70
3.00	329	2.55	0.84	0.84
3.50	242	2.97	0.98	0.98
4.00	185	3.40	1.12	1.12
4.50	146	3.82	1.26	1.26

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