



An optimum combination of value and performance, MASTER Value LEDspot MV is a perfect fit for spot lighting

MASTER VALUE LEDspot MV

Delivering a warm, halogen-like accent beam, MASTER VALUE is a perfect fit for spot lighting. Thanks to its high CRI, it realizes more natural colors, creating cozy and comfortable ambiences for residential and hospitality projects, and emphasizing the beauty of merchandise in retail. These LED spots MV GU10 have the familiar look and feel of spot lamps, keeping the classic beauty of glass spots and adding the strong performance of LED technology. The dimming function enables you to create the atmosphere you desire, and it works with broad selection of dimmers. MASTER VALUE also offers more energy savings that normal LED spots.

Benefits

- \cdot With MASTER VALUE spotlight up to 80% energy saving compared with halogen lamps
- $\boldsymbol{\cdot}$ Best mimic of a halogen spot for atmosphere creation
- Perfect replacement for traditional GU10 lamps

Features

- Dimmable range
- Compatible with an extensive range of dimmers
- Patented intelligent driver
- Lifetime of 25,000 hours
- No UV and Cool Beam (no IR), making it suitable for illuminating heat-sensitive objects (food, organic materials, paintings etc.)

Application

- Hospitality
- \cdot Retail
- \cdot Residential

Warnings and Safety

- \cdot Operating temperature range is between -20° C and 45° C ambient
- Only to apply in dry or damp locations and most of open fixtures with lamp-holders that offer sufficient space (10 mm free air space)
- Not intended for use with emergency light fixtures or exit lights

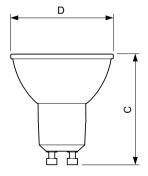
Versions



PAR16 GU10



Dimensional drawing



Product	D	с
MAS LED spot VLE D 3.7-35W GU10 940 60D	50 mm	54 mm
MAS LED spot VLE D 6.2-80W GU10 930 36D	50 mm	54 mm
MAS LED spot VLE D 650lm GU10 930 120D	50 mm	54 mm
MAS LED spot VLE D 680lm GU10 940 120D	50 mm	54 mm
MAS LED spot VLE DT 6.2-80W GU10 927 36D	50 mm	56 mm
Master LED 4.9-50W GU10 927 36D Dim	50 mm	54 mm
Master LED 4.9-50W GU10 930 36D Dim	50 mm	54 mm
Master LED 4.9-50W GU10 940 36D Dim	50 mm	54 mm

General Information	
Cap-Base	GU10
Switching Cycle	50,000
Nominal lifetime	25,000 hour(s)
Light Technical	
Color rendering index (CRI)	90
LLMF At End Of Nominal Lifetime	70 %
(Nom)	
Operating and Electrical	
Input Frequency	50 to 60 Hz
Line Frequency	50 to 60 Hz
Starting Time (Nom)	0.5 s
Mechanical and Housing	
Bulb Shape	PAR16

Light Technical (1/2)

		Beam Angle	Correlated Color Temperature		
Order Code	Full Product Name	(Nom)	(Nom)	Color Code	Luminous Flux
66271400	MASTER LED spot VLE DT 6.2-80W GU10 927 36D	36 degree(s)	2700 K	922-927	575 lm
70525100	MASTER LED spot VLE D 6.2-80W GU10 930 36D	36 degree(s)	3000 K	930	575 lm
70783800	MASTER LED spot VLE D 3.7-35W GU10 940 60D	60 degree(s)	4000 K	940	285 lm
70731900	Master LED 4.9-50W GU10 927 36D Dim	36 degree(s)	2700 K	927	395 lm
75592100	Master LED 4.9-50W GU10 930 36D Dim	36 degree(s)	3000 K	930	405 lm
75594500	Master LED 4.9-50W GU10 940 36D Dim	36 degree(s)	4000 K	940	420 lm
70609800	MASTER LED spot VLE D 650lm GU10 930 120D	120 degree(s)	3000 K	930	650 lm
70611100	MASTER LED spot VLE D 680lm GU10 940 120D	120 degree(s)	4000 K	940	680 lm

Light Technical (2/2)

		Luminous Intensity
Order Code	Full Product Name	(Nom)
66271400	MASTER LED spot VLE DT 6.2-80W GU10 927 36D	950 cd
70525100	MASTER LED spot VLE D 6.2-80W GU10 930 36D	850 cd
70783800	MASTER LED spot VLE D 3.7-35W GU10 940 60D	350 cd
70731900	Master LED 4.9-50W GU10 927 36D Dim	650 cd

		Luminous Intensity
Order Code	Full Product Name	(Nom)
75592100	Master LED 4.9-50W GU10 930 36D Dim	650 cd
75594500	Master LED 4.9-50W GU10 940 36D Dim	700 cd
70609800	MASTER LED spot VLE D 650lm GU10 930 120D	200 cd
70611100	MASTER LED spot VLE D 680lm GU10 940 120D	200 cd

Operating and Electrical

		Power	Wattage
Order Code	Full Product Name	Consumption	Equivalent
66271400	MASTER LED spot VLE DT	6.2 W	80 W
	6.2-80W GU10 927 36D		
70525100	MASTER LED spot VLE D 6.2-80W	6.2 W	80 W
	GU10 930 36D		
70783800	MASTER LED spot VLE D 3.7-35W	3.7 W	35 W
	GU10 940 60D		
70731900	Master LED 4.9-50W GU10 927	5 W	50 W
	36D Dim		

	Power	Wattage
Full Product Name	Consumption	Equivalent
Master LED 4.9-50W GU10 930	5 W	50 W
36D Dim		
Master LED 4.9-50W GU10 940	5 W	50 W
36D Dim		
MASTER LED spot VLE D 650lm	6.2 W	-
GU10 930 120D		
MASTER LED spot VLE D 680lm	6.2 W	-
GU10 940 120D		
	Master LED 4.9-50W GU10 930 36D Dim Master LED 4.9-50W GU10 940 36D Dim MASTER LED spot VLE D 650lm GU10 930 120D MASTER LED spot VLE D 680lm	Full Product NameConsumptionMaster LED 4.9-50W GU10 9305 W36D Dim5 WMaster LED 4.9-50W GU10 9405 W36D Dim5 W36D Dim6.2 WGU10 930 120D6.2 WMASTER LED spot VLE D 680lm6.2 W

Temperature

		T-Case Maximum
Order Code	Full Product Name	(Nom)
66271400	MASTER LED spot VLE DT 6.2-80W GU10 927 36D	75 ℃
70525100	MASTER LED spot VLE D 6.2-80W GU10 930 36D	80 ℃
70783800	MASTER LED spot VLE D 3.7-35W GU10 940 60D	80 ℃
70731900	Master LED 4.9-50W GU10 927 36D Dim	80 °C

		T-Case Maximum
Order Code	Full Product Name	(Nom)
75592100	Master LED 4.9-50W GU10 930 36D Dim	80 °C
75594500	Master LED 4.9-50W GU10 940 36D Dim	80 °C
70609800	MASTER LED spot VLE D 650lm GU10 930 120D	80 °C
70611100	MASTER LED spot VLE D 680lm GU10 940 120D	80 °C

Controls and Dimming

Order Code	Full Product Name	Dimmable
66271400	MASTER LED spot VLE DT 6.2-80W GU10 927	Only with specific
	36D	dimmers
70525100	MASTER LED spot VLE D 6.2-80W GU10 930	Only with specific
	36D	dimmers
70783800	36D MASTER LED spot VLE D 3.7-35W GU10 940 60D	
70783800		
70783800		Only with specific

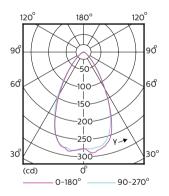
Order Code	Full Product Name	Dimmable
75592100	Master LED 4.9-50W GU10 930 36D Dim	Yes
75594500	Master LED 4.9-50W GU10 940 36D Dim	Yes
70609800	MASTER LED spot VLE D 650lm GU10 930 120D	Only with specific
		dimmers
70611100	MASTER LED spot VLE D 680lm GU10 940 120D	Only with specific
		dimmers

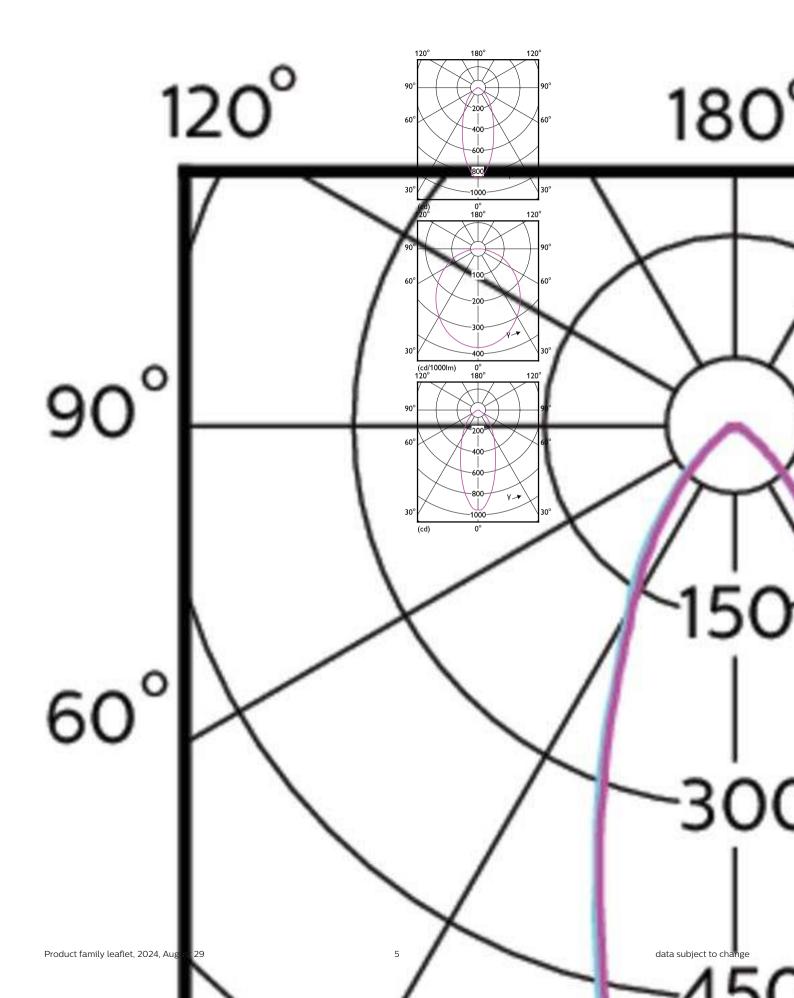
Approval and Application

		Energy Consumption
Order Code	Full Product Name	kWh/1000 h
66271400	MASTER LED spot VLE DT 6.2-80W GU10 927	7 kWh
	36D	
70525100	MASTER LED spot VLE D 6.2-80W GU10 930	7 kWh
	36D	
70783800	MASTER LED spot VLE D 3.7-35W GU10 940	4 kWh
	60D	
70731900	Master LED 4.9-50W GU10 927 36D Dim	5 kWh
75592100	Master LED 4.9-50W GU10 930 36D Dim	5 kWh
75594500	Master LED 4.9-50W GU10 940 36D Dim	5 kWh
70609800	MASTER LED spot VLE D 650lm GU10 930 120D	7 kWh
70611100	MASTER LED spot VLE D 680lm GU10 940 120D	7 kWh

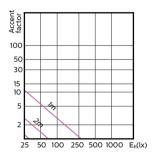
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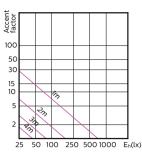
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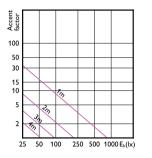


Accent Diagrams



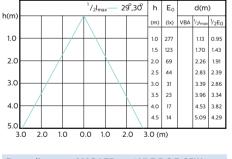


Accent Diagram - MAS LED spot VLE D 3.7-35W GU10 940 60D



Accent Diagram - MAS LED spot VLE D 6.2-80W GU10 930 36D

Beam Diagrams



Beam diagram - MAS LED spot VLE D 3.7-35W GU10 940 60D

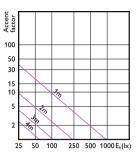
h (ma)	$1/2I_{max}$ 2 x 18°						h	E ₀	d(m)		
h(m)				\			(m)	(bx)	VBA	¹ / ₂ I _{max}	¹ ∕ ₂ E ₀
1.0							1.0	707		0.65	0.57
							1.5	314		0.97	0.86
2.0			-/				2.0	177		1.30	1.15
			/	$ \rangle$			2.5	113		1.62	1.43
3.0			/				3.0	79		1.95	1.72
					\setminus		3.5	58		2.27	2.01
4.0		-+			\rightarrow		4.0	44		2.60	2.29
5.0							4.5	35		2.92	2.58
	.0 2	.0 1.	o c	0.0 1.	0 2	.0 3	.0 (r	n)			

Beam diagram - Master LED 4.9-50W GU10 930 36D Dim

 $^{1}/_{2}I_{max}$ $2 \times 21^{\circ}$ h E_0 d(m) h(m) (m) (lx) VBA 2 max 1/2E0 1.0 1.0 0.77 950 0.6 1.5 422 1.15 0.97 2.0 2.0 238 1.54 1.30 2.5 1.92 152 1.62 2.30 1.95 3.0 3.0 106 3.5 2.69 2.27 78 59 4.0 4.0 3.07 2.60 4.5 3.45 2.92 47 5.0 3.0 2.0 1.0 0.0 1.0 2.0 3.0 (m)

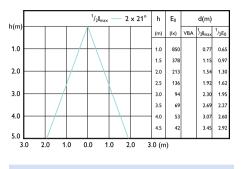


Accent Diagram - Master LED 4.9-50W GU10 930 36D Dim



Accent Diagram - MAS LED spot VLE DT 6.2-80W GU10 927 36D

Beam Diagrams



Beam diagram - MAS LED spot VLE D 6.2-80W GU10 930 36D



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