



# The ideal solution for spot lighting

## **MASTER VALUE LEDspot LV**

Philips MASTER VALUE MR16 is the series of Low Voltage (12VAC) Halogen MR16 replacements. Not only does it employs Philips' patented solution to guarantee the broadest possible compatibility with standard 12V Halogen electronic transformers. It also delivers beam intensity which is equivalent to the 50W Philips Halogen MR16 lamps. The form-factor of Philips MASTER Value LED MR16 guarantees a 100% form on the back-side of the lamp (exact form with Halogen lamps.)

#### **Benefits**

- Up to 80% energy saving compared with halogen lamp
- Broad compatibility with transformers
- · Retrofitable with low-voltage MR16 halogen lamps with GU5.3 socket

#### **Features**

- · Dimmable range
- · Patented intelligent driver
- · Air movement mechanism (active fan cooling) with very low sound levels
- · Lifetime of 25,000
- No UV and Cool Beam (no IR), making suitable for illuminating heat-sensitive objects (food, organic materials, paintings etc.)

#### **Application**

 Ideal for accent lighting in hotels, hospitals, shops and museums (e.g. floors, elevators, displays)

#### Warnings and Safety

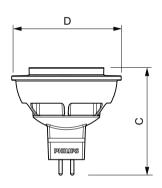
- Operating temperature range is between -20° C and 45° C ambient
- Only to apply in dry or damp locations and most of open fixtures with lamp-holders that offer sufficient space (10 mm free air space)
- $\boldsymbol{\cdot}$  Not intended for use with emergency light fixtures or exit lights

## Versions

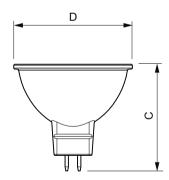




## Dimensional drawing

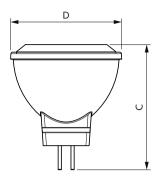


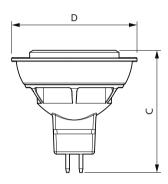
Product	D	С
MASTER LED 5.5-50W 2700K MR16 24D	50.2 mm	49 mm
MASTER LED 5.5-50W 2700K MR16 36D	50.2 mm	49 mm
MASTER LED 5.5-50W 3000K MR16 24D	50.2 mm	49 mm
MASTER LED 5.5-50W 3000K MR16 36D	50.2 mm	49 mm
MASTER LED 5.5-50W 4000K MR16 36D	50.2 mm	49 mm

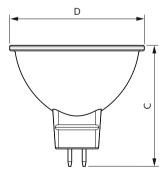


Product	D	С
MAS LED SPOT VLE D 7.5-50W MR16 927 36D	50.5 mm	45.5 mm
MAS LED SPOT VLE D 7.5-50W MR16 927 60D	50.5 mm	45.5 mm
MAS LED SPOT VLE D 7.5-50W MR16 930 36D	50.5 mm	45.5 mm
MAS LED SPOT VLE D 7.5-50W MR16 930 60D	50.5 mm	45.5 mm
MAS LED SPOT VLE D 7.5-50W MR16 940 36D	50.5 mm	45.5 mm
MAS LED SPOT VLE D 7.5-50W MR16 940 60D	50.5 mm	45.5 mm
MAS LED spot VLE D 5.8-35W MR16 927 36D	50.5 mm	45.5 mm
MAS LED spot VLE D 5.8-35W MR16 927 60D	50.5 mm	45.5 mm
MAS LED spot VLE D 5.8-35W MR16 930 36D	50.5 mm	45.5 mm
MAS LED spot VLE D 5.8-35W MR16 930 60D	50.5 mm	45.5 mm
MAS LED spot VLE D 5.8-35W MR16 940 36D	50.5 mm	45.5 mm
MAS LED spot VLE D 5.8-35W MR16 940 60D	50.5 mm	45.5 mm
MAS LEDspotLV DimTone 5.8-35W MR16 36D	50.5 mm	45.5 mm

## Dimensional drawing







Product	D	С
MAS LEDspotLV 3.5-20W 827 MR11 24D	35.1 mm	39.5 mm

Product	D	С
MASTER LED 3.9-35W 2700K MR16 24D	50.5 mm	50 mm
MASTER LED 3.9-35W 2700K MR16 24D	50.5 mm	50 mm
MASTER LED 3.9-35W 2700K MR16 36D	50.5 mm	50 mm
MASTER LED 3.9-35W 2700K MR16 36D	50.5 mm	50 mm
MASTER LED 3.9-35W 3000K MR16 24D	50.5 mm	50 mm
MASTER LED 3.9-35W 3000K MR16 24D	50.5 mm	50 mm
MASTER LED 3.9-35W 3000K MR16 36D	50.5 mm	50 mm
MASTER LED 3.9-35W 3000K MR16 36D	50.5 mm	50 mm
MASTER LED 4.9-50W 2700K MR16 24D	50.5 mm	50 mm
MASTER LED 4.9-50W 2700K MR16 24D	50.5 mm	50 mm
MASTER LED 4.9-50W 2700K MR16 36D	50.5 mm	50 mm
MASTER LED 4.9-50W 2700K MR16 36D	50.5 mm	50 mm
MASTER LED 4.9-50W 3000K MR16 24D	50.5 mm	50 mm
MASTER LED 4.9-50W 3000K MR16 24D	50.5 mm	50 mm
MASTER LED 4.9-50W 3000K MR16 36D	50.5 mm	50 mm
MASTER LED 4.9-50W 3000K MR16 36D	50.5 mm	50 mm
MASTER LED 4.9-50W 4000K MR16 24D	50.5 mm	50 mm
MASTER LED 4.9-50W 4000K MR16 24D	50.5 mm	50 mm
MASTER LED 4.9-50W 4000K MR16 36D	50.5 mm	50 mm
MASTER LED 4.9-50W 4000K MR16 36D	50.5 mm	50 mm

Product	D	С
MAS LEDspotLV DimTone 7.5-50W MR16 36D	50.5 mm	45.5 mm

General Information	
Switching Cycle	50,000
Light Technical	
LLMF At End Of Nominal Lifetime	70 %
(Nom)	
Operating and Electrical	
Operating and Electrical Input Frequency	- Hz

#### **General Information**

Order Code	Full Product Name	Cap-Base	Nominal lifetime
929002492502	MAS LED spot VLE D 5.8-35W MR16 927	GU5.3	25,000 hour(s)
	36D		
929002492602	MAS LED spot VLE D 5.8-35W MR16 930 $$	GU5.3	25,000 hour(s)
	36D		
929002492702	MAS LED spot VLE D 5.8-35W MR16 940	GU5.3	25,000 hour(s)
	36D		
929002492802	MAS LED spot VLE D 5.8-35W MR16 927	GU5.3	25,000 hour(s)
	60D		
929002492902	MAS LED spot VLE D 5.8-35W MR16 930	GU5.3	25,000 hour(s)
	60D		
929002493002	MAS LED spot VLE D 5.8-35W MR16 940 $$	GU5.3	25,000 hour(s)
	60D		
929002493102	MAS LEDspotLV DimTone 5.8-35W MR16	GU5.3	25,000 hour(s)
	36D		
929002493202	MAS LED SPOT VLE D 7.5-50W MR16	GU5.3	25,000 hour(s)
	927 36D		
929002493302	MAS LED SPOT VLE D 7.5-50W MR16	GU5.3	25,000 hour(s)
	930 36D		
929002493402	MAS LED SPOT VLE D 7.5-50W MR16	GU5.3	25,000 hour(s)
	940 36D		
929001145908	MASTER LED 5.5-50W 2700K MR16 24D	GU5.3	25,000 hour(s)
929001146108	MASTER LED 5.5-50W 2700K MR16 36D	GU5.3	25,000 hour(s)
929001146608	MASTER LED 5.5-50W 3000K MR16 36D	GU5.3	25,000 hour(s)
929001146708	MASTER LED 5.5-50W 3000K MR16 24D	GU5.3	25,000 hour(s)
929001146908	MASTER LED 5.5-50W 4000K MR16 36D	GU5.3	25,000 hour(s)
929003087002	MAS LEDspotLV 3.5-20W 827 MR11 24D	GU4	40,000 hour(s)
929003610208	MASTER LED 3.9-35W 2700K MR16 24D	GU5.3	25,000 hour(s)

Order Code	Full Product Name	Cap-Base	Nominal lifetime
929003610210	MASTER LED 3.9-35W 2700K MR16 24D	GU5.3	25,000 hour(s)
929003610308	MASTER LED 3.9-35W 3000K MR16 24D	GU5.3	25,000 hour(s)
929003610310	MASTER LED 3.9-35W 3000K MR16 24D	GU5.3	25,000 hour(s)
929003610408	MASTER LED 3.9-35W 2700K MR16 36D	GU5.3	25,000 hour(s)
929003610410	MASTER LED 3.9-35W 2700K MR16 36D	GU5.3	25,000 hour(s)
929003610508	MASTER LED 3.9-35W 3000K MR16 36D	GU5.3	25,000 hour(s)
929003610510	MASTER LED 3.9-35W 3000K MR16 36D	GU5.3	25,000 hour(s)
929003610608	MASTER LED 4.9-50W 2700K MR16 24D	GU5.3	25,000 hour(s)
929003610610	MASTER LED 4.9-50W 2700K MR16 24D	GU5.3	25,000 hour(s)
929003610708	MASTER LED 4.9-50W 3000K MR16 24D	GU5.3	25,000 hour(s)
929003610710	MASTER LED 4.9-50W 3000K MR16 24D	GU5.3	25,000 hour(s)
929003610808	MASTER LED 4.9-50W 4000K MR16 24D	GU5.3	25,000 hour(s)
929003610810	MASTER LED 4.9-50W 4000K MR16 24D	GU5.3	25,000 hour(s)
929003610908	MASTER LED 4.9-50W 2700K MR16 36D	GU5.3	25,000 hour(s)
929003610910	MASTER LED 4.9-50W 2700K MR16 36D	GU5.3	25,000 hour(s)
929003611008	MASTER LED 4.9-50W 3000K MR16 36D	GU5.3	25,000 hour(s)
929003611010	MASTER LED 4.9-50W 3000K MR16 36D	GU5.3	25,000 hour(s)
929003611108	MASTER LED 4.9-50W 4000K MR16 36D	GU5.3	25,000 hour(s)
929003611110	MASTER LED 4.9-50W 4000K MR16 36D	GU5.3	25,000 hour(s)
929002493802	MAS LEDspotLV DimTone 7.5-50W MR16	GU5.3	25,000 hour(s)
	36D		
929002493502	MAS LED SPOT VLE D 7.5-50W MR16	GU5.3	25,000 hour(s)
	927 60D		
929002493602	MAS LED SPOT VLE D 7.5-50W MR16	GU5.3	25,000 hour(s)
	930 60D		
929002493702	MAS LED SPOT VLE D 7.5-50W MR16	GU5.3	25,000 hour(s)
	940 60D		

#### **Light Technical**

			Correlated Color	Color rendering			Luminous Intensity
Order Code	Full Product Name	Beam Angle (Nom)	Temperature (Nom)	index (CRI)	Color Code	Luminous Flux	(Nom)
929002492502	MAS LED spot VLE D 5.8-35W MR16 927 36D	36 degree(s)	2700 K	90	927	450 lm	1,300 cd
929002492602	MAS LED spot VLE D 5.8-35W MR16 930 36D	36 degree(s)	3000 K	90	930	460 lm	1,300 cd
929002492702	MAS LED spot VLE D 5.8-35W MR16 940 36D	36 degree(s)	4000 K	90	940	490 lm	1,200 cd
929002492802	MAS LED spot VLE D 5.8-35W MR16 927 60D	60 degree(s)	2700 K	90	927	450 lm	600 cd
929002492902	MAS LED spot VLE D 5.8-35W MR16 930 60D	60 degree(s)	3000 K	90	930	460 lm	600 cd
929002493002	MAS LED spot VLE D 5.8-35W MR16 940 60D	60 degree(s)	4000 K	90	940	490 lm	550 cd

			Correlated Color	Color rendering			Luminous Intensity
Order Code	Full Product Name	Beam Angle (Nom)	Temperature (Nom)	index (CRI)	Color Code	Luminous Flux	(Nom)
929002493102	MAS LEDspotLV DimTone 5.8-35W MR16 36D	36 degree(s)	2200 K	90	922-927	345 lm	800 cd
929002493202	MAS LED SPOT VLE D 7.5-50W MR16 927 36D	36 degree(s)	2700 K	90	927	621 lm	1,600 cd
929002493302	MAS LED SPOT VLE D 7.5-50W MR16 930 36D	36 degree(s)	3000 K	90	930	630 lm	1,600 cd
929002493402	MAS LED SPOT VLE D 7.5-50W MR16 940 36D	36 degree(s)	4000 K	90	940	660 lm	1,500 cd
929001145908	MASTER LED 5.5-50W 2700K MR16 24D	24 degree(s)	2700 K	80	827	415 lm	1,800 cd
929001146108	MASTER LED 5.5-50W 2700K MR16 36D	36 degree(s)	2700 K	80	827	415 lm	1,000 cd
929001146608	MASTER LED 5.5-50W 3000K MR16 36D	36 degree(s)	3000 K	80	830	425 lm	1,000 cd
929001146708	MASTER LED 5.5-50W 3000K MR16 24D	24 degree(s)	3000 K	80	830	425 lm	1,800 cd
929001146908	MASTER LED 5.5-50W 4000K MR16 36D	36 degree(s)	4000 K	80	840	450 lm	1,000 cd
929003087002	MAS LEDspotLV 3.5-20W 827 MR11 24D	24 degree(s)	2700 K	80	827	200 lm	1,000 cd
929003610208	MASTER LED 3.9-35W 2700K MR16 24D	24 degree(s)	2700 K	90	927	270 lm	1,000 cd
929003610210	MASTER LED 3.9-35W 2700K MR16 24D	24 degree(s)	2700 K	90	927	270 lm	1,000 cd
929003610308	MASTER LED 3.9-35W 3000K MR16 24D	24 degree(s)	3000 K	90	930	280 lm	1,000 cd
929003610310	MASTER LED 3.9-35W 3000K MR16 24D	24 degree(s)	3000 K	90	930	280 lm	1,000 cd
929003610408	MASTER LED 3.9-35W 2700K MR16 36D	36 degree(s)	2700 K	90	927	270 lm	600 cd
929003610410	MASTER LED 3.9-35W 2700K MR16 36D	36 degree(s)	2700 K	90	927	270 lm	600 cd
929003610508	MASTER LED 3.9-35W 3000K MR16 36D	36 degree(s)	3000 K	90	930	280 lm	600 cd
929003610510	MASTER LED 3.9-35W 3000K MR16 36D	36 degree(s)	3000 K	90	930	280 lm	600 cd
929003610608	MASTER LED 4.9-50W 2700K MR16 24D	24 degree(s)	2700 K	90	927	415 lm	1,600 cd
929003610610	MASTER LED 4.9-50W 2700K MR16 24D	24 degree(s)	2700 K	90	927	415 lm	1,600 cd
929003610708	MASTER LED 4.9-50W 3000K MR16 24D	24 degree(s)	3000 K	90	930	425 lm	1,700 cd
929003610710	MASTER LED 4.9-50W 3000K MR16 24D	24 degree(s)	3000 K	90	930	425 lm	1,700 cd
929003610808	MASTER LED 4.9-50W 4000K MR16 24D	24 degree(s)	4000 K	90	940	430 lm	1,700 cd
929003610810	MASTER LED 4.9-50W 4000K MR16 24D	24 degree(s)	4000 K	90	940	430 lm	1,700 cd
929003610908	MASTER LED 4.9-50W 2700K MR16 36D	36 degree(s)	2700 K	90	927	415 lm	900 cd
929003610910	MASTER LED 4.9-50W 2700K MR16 36D	36 degree(s)	2700 K	90	927	415 lm	900 cd
929003611008	MASTER LED 4.9-50W 3000K MR16 36D	36 degree(s)	3000 K	90	930	425 lm	950 cd
929003611010	MASTER LED 4.9-50W 3000K MR16 36D	36 degree(s)	3000 K	90	930	425 lm	950 cd
929003611108	MASTER LED 4.9-50W 4000K MR16 36D	36 degree(s)	4000 K	90	940	430 lm	950 cd
929003611110	MASTER LED 4.9-50W 4000K MR16 36D	36 degree(s)	4000 K	90	940	430 lm	950 cd
929002493802	MAS LEDspotLV DimTone 7.5-50W MR16 36D	36 degree(s)	2200 K	90	922-927	621 lm	1,100 cd
929002493502	MAS LED SPOT VLE D 7.5-50W MR16 927 60D	60 degree(s)	2700 K	90	927	621 lm	750 cd
929002493602	MAS LED SPOT VLE D 7.5-50W MR16 930 60D	60 degree(s)	3000 K	90	930	630 lm	800 cd
929002493702	MAS LED SPOT VLE D 7.5-50W MR16 940 60D	60 degree(s)	4000 K	90	940	660 lm	770 cd

## Operating and Electrical

		Line	Power	Wattage					Line	Line Power
order Code	Full Product Name	Frequency	Consumption	Equivalent	Orde	er Code		Full Product Name	Full Product Name Frequency	Full Product Name Frequency Consumption
929002492502	MAS LED spot VLE D	- Hz	5.8 W	35 W	9290	002492902		MAS LED spot VLE D	MAS LED spot VLE D - Hz	MAS LED spot VLE D - Hz 5.8 W
	5.8-35W MR16 927							5.8-35W MR16 930	5.8-35W MR16 930	5.8-35W MR16 930
	36D							60D	60D	60D
929002492602	MAS LED spot VLE D	- Hz	5.8 W	35 W	9290	002493002		MAS LED spot VLE D	MAS LED spot VLE D - Hz	MAS LED spot VLE D - Hz 5.8 W
	5.8-35W MR16 930							5.8-35W MR16 940	5.8-35W MR16 940	5.8-35W MR16 940
	36D							60D	60D	60D
29002492702	MAS LED spot VLE D	- Hz	5.8 W	35 W	9290	002493102		MAS LEDspotLV	MAS LEDspotLV - Hz	MAS LEDspotLV - Hz 5.8 W
	5.8-35W MR16 940						ì	DimTone 5.8-35W	DimTone 5.8-35W	DimTone 5.8-35W
	36D						Ν	MR16 36D	MR16 36D	MR16 36D
929002492802	MAS LED spot VLE D	- Hz	5.8 W	35 W	9290	002493202	١	MAS LED SPOT VLE D	MAS LED SPOT VLE D - Hz	MAS LED SPOT VLE D - Hz 7.5 W
	5.8-35W MR16 927						-	7.5-50W MR16 927	7.5-50W MR16 927	7.5-50W MR16 927
	60D							36D	36D	36D

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		Line	Power	Wattage			Line	Power	Wattage
Order Code	Full Product Name	Frequency	Consumption	Equivalent	Order Code	Full Product Name	Frequency	Consumption	Equivalen
929002493302	MAS LED SPOT VLE D	- Hz	7.5 W	50 W	929003610608	MASTER LED	-	4.9 W	50 W
	7.5-50W MR16 930					4.9-50W 2700K MR16			
	36D					24D			
29002493402	MAS LED SPOT VLE D	- Hz	7.5 W	50 W	929003610610	MASTER LED	-	4.9 W	50 W
	7.5-50W MR16 940					4.9-50W 2700K MR16			
	36D					24D			
929001145908	MASTER LED	- Hz	5.5 W	50 W	929003610708	MASTER LED	_	4.9 W	50 W
	5.5-50W 2700K MR16					4.9-50W 3000K			
	24D					MR16 24D			
929001146108	MASTER LED	- Hz	5.5 W	50 W	929003610710	MASTER LED	_	4.9 W	50 W
25001140100	5.5-50W 2700K MR16	- 112	3.5 W	30 W	323003010710	4.9-50W 3000K		4.5 W	30 W
	36D					MR16 24D			
29001146608	MASTER LED	- Hz	5.5 W	50 W	929003610808		-	4.9 W	50 W
	5.5-50W 3000K MR16					4.9-50W 4000K			
	36D					MR16 24D			
29001146708	MASTER LED	- Hz	5.5 W	50 W	929003610810	MASTER LED	-	4.9 W	50 W
	5.5-50W 3000K MR16					4.9-50W 4000K			
	24D					MR16 24D			
29001146908	MASTER LED	- Hz	5.5 W	50 W	929003610908	MASTER LED	-	4.9 W	50 W
	5.5-50W 4000K MR16					4.9-50W 2700K MR16			
	36D					36D			
929003087002	MAS LEDspotLV	- Hz	3.5 W	20 W	929003610910	MASTER LED	-	4.9 W	50 W
	3.5-20W 827 MR11					4.9-50W 2700K MR16			
	24D					36D			
29003610208		_	3.9 W	35 W	929003611008	MASTER LED	_	4.9 W	50 W
	3.9-35W 2700K MR16					4.9-50W 3000K			
	24D					MR16 36D			
29003610210	MASTER LED		3.9 W	35 W	929003611010	MASTER LED		4.9 W	50 W
129003610210		-	3.9 W	33 W	929003611010		-	4.9 W	30 W
	3.9-35W 2700K MR16					4.9-50W 3000K			
	24D					MR16 36D			
29003610308	MASTER LED	-	3.9 W	35 W	929003611108	MASTER LED	-	4.9 W	50 W
	3.9-35W 3000K MR16					4.9-50W 4000K			
	24D					MR16 36D			
29003610310	MASTER LED	-	3.9 W	35 W	929003611110	MASTER LED	-	4.9 W	50 W
	3.9-35W 3000K MR16					4.9-50W 4000K			
	24D					MR16 36D			
29003610408	MASTER LED	-	3.9 W	35 W	929002493802	MAS LEDspotLV	- Hz	7.5 W	50 W
	3.9-35W 2700K MR16					DimTone 7.5-50W			
	36D					MR16 36D			
29003610410	MASTER LED	_	3.9 W	35 W	929002493502	MAS LED SPOT VLE D	- Hz	7.5 W	50 W
	3.9-35W 2700K MR16					7.5-50W MR16 927			
	36D					60D			
29003610508		_	3.9 W	35 W	929002493602	MAS LED SPOT VLE D	- Hz	7.5 W	50 W
	3.9-35W 3000K MR16		J.J **	55 **	323002 <del>4</del> 33002	7.5-50W MR16 930	114	7.5 **	JU W
200025	36D		2014	25.111	000000	60D		7.5.14	50.1
29003610510		-	3.9 W	35 W	929002493702	MAS LED SPOT VLE D	- Hz	7.5 W	50 W
	3.9-35W 3000K MR16					7.5-50W MR16 940			
	36D					60D			

## Temperature

		T-Case Maximum
Order Code	Full Product Name	(Nom)
929002492502	MAS LED spot VLE D 5.8-35W MR16 927 36D	85 ℃
929002492602	MAS LED spot VLE D 5.8-35W MR16 930 36D	85 ℃
929002492702	MAS LED spot VLE D 5.8-35W MR16 940 36D	85 ℃
929002492802	MAS LED spot VLE D 5.8-35W MR16 927 60D	85 ℃
929002492902	MAS LED spot VLE D 5.8-35W MR16 930 60D	85 ℃
929002493002	MAS LED spot VLE D 5.8-35W MR16 940 60D	85 ℃
929002493102	MAS LEDspotLV DimTone 5.8-35W MR16 36D	88 ℃
929002493202	MAS LED SPOT VLE D 7.5-50W MR16 927 36D	95 ℃
929002493302	MAS LED SPOT VLE D 7.5-50W MR16 930 36D	95 ℃
929002493402	MAS LED SPOT VLE D 7.5-50W MR16 940 36D	95 ℃
929001145908	MASTER LED 5.5-50W 2700K MR16 24D	95 ℃
929001146108	MASTER LED 5.5-50W 2700K MR16 36D	95 ℃
929001146608	MASTER LED 5.5-50W 3000K MR16 36D	95 ℃
929001146708	MASTER LED 5.5-50W 3000K MR16 24D	95 ℃
929001146908	MASTER LED 5.5-50W 4000K MR16 36D	95 ℃
929003087002	MAS LEDspotLV 3.5-20W 827 MR11 24D	85 ℃
929003610208	MASTER LED 3.9-35W 2700K MR16 24D	68 °C
929003610210	MASTER LED 3.9-35W 2700K MR16 24D	68 °C
929003610308	MASTER LED 3.9-35W 3000K MR16 24D	68 °C
929003610310	MASTER LED 3.9-35W 3000K MR16 24D	68 °C

		T-Case Maximum
Order Code	Full Product Name	(Nom)
929003610408	MASTER LED 3.9-35W 2700K MR16 36D	68 °C
929003610410	MASTER LED 3.9-35W 2700K MR16 36D	68 °C
929003610508	MASTER LED 3.9-35W 3000K MR16 36D	68 °C
929003610510	MASTER LED 3.9-35W 3000K MR16 36D	68 °C
929003610608	MASTER LED 4.9-50W 2700K MR16 24D	72 °C
929003610610	MASTER LED 4.9-50W 2700K MR16 24D	72 ℃
929003610708	MASTER LED 4.9-50W 3000K MR16 24D	72 ℃
929003610710	MASTER LED 4.9-50W 3000K MR16 24D	72 ℃
929003610808	MASTER LED 4.9-50W 4000K MR16 24D	72 ℃
929003610810	MASTER LED 4.9-50W 4000K MR16 24D	72 ℃
929003610908	MASTER LED 4.9-50W 2700K MR16 36D	72 ℃
929003610910	MASTER LED 4.9-50W 2700K MR16 36D	72 ℃
929003611008	MASTER LED 4.9-50W 3000K MR16 36D	72 ℃
929003611010	MASTER LED 4.9-50W 3000K MR16 36D	72 ℃
929003611108	MASTER LED 4.9-50W 4000K MR16 36D	72 ℃
929003611110	MASTER LED 4.9-50W 4000K MR16 36D	72 ℃
929002493802	MAS LEDspotLV DimTone 7.5-50W MR16 36D	95 ℃
929002493502	MAS LED SPOT VLE D 7.5-50W MR16 927 60D	95 ℃
929002493602	MAS LED SPOT VLE D 7.5-50W MR16 930 60D	95 °C
929002493702	MAS LED SPOT VLE D 7.5-50W MR16 940 60D	95 ℃

#### **Controls and Dimming**

Order Code	Full Product Name	Dimmable
929002492502	MAS LED spot VLE D 5.8-35W MR16 927 36D	Only with specific
		dimmers
929002492602	MAS LED spot VLE D 5.8-35W MR16 930 36D	Only with specific
		dimmers
929002492702	MAS LED spot VLE D 5.8-35W MR16 940 36D	Only with specific
		dimmers
929002492802	MAS LED spot VLE D 5.8-35W MR16 927 60D	Only with specific
		dimmers
929002492902	MAS LED spot VLE D 5.8-35W MR16 930 60D	Only with specific
		dimmers
929002493002	MAS LED spot VLE D 5.8-35W MR16 940 60D	Only with specific
		dimmers
929002493102	MAS LEDspotLV DimTone 5.8-35W MR16 36D	Only with specific
		dimmers
929002493202	MAS LED SPOT VLE D 7.5–50W MR16 927 36D $$	Only with specific
		dimmers
929002493302	MAS LED SPOT VLE D 7.5–50W MR16 930 36D	Only with specific
		dimmers
929002493402	MAS LED SPOT VLE D 7.5–50W MR16 940 36D	Only with specific
		dimmers
929001145908	MASTER LED 5.5-50W 2700K MR16 24D	No
929001146108	MASTER LED 5.5-50W 2700K MR16 36D	No
929001146608	MASTER LED 5.5-50W 3000K MR16 36D	No
929001146708	MASTER LED 5.5-50W 3000K MR16 24D	No
929001146908	MASTER LED 5.5-50W 4000K MR16 36D	No
929003087002	MAS LEDspotLV 3.5-20W 827 MR11 24D	No
929003610208	MASTER LED 3.9-35W 2700K MR16 24D	No

Order Code	Full Product Name	Dimmable
929003610210	MASTER LED 3.9-35W 2700K MR16 24D	No
929003610308	MASTER LED 3.9-35W 3000K MR16 24D	No
929003610310	MASTER LED 3.9-35W 3000K MR16 24D	No
929003610408	MASTER LED 3.9-35W 2700K MR16 36D	No
929003610410	MASTER LED 3.9-35W 2700K MR16 36D	No
929003610508	MASTER LED 3.9-35W 3000K MR16 36D	No
929003610510	MASTER LED 3.9-35W 3000K MR16 36D	No
929003610608	MASTER LED 4.9-50W 2700K MR16 24D	No
929003610610	MASTER LED 4.9-50W 2700K MR16 24D	No
929003610708	MASTER LED 4.9-50W 3000K MR16 24D	No
929003610710	MASTER LED 4.9-50W 3000K MR16 24D	No
929003610808	MASTER LED 4.9-50W 4000K MR16 24D	No
929003610810	MASTER LED 4.9-50W 4000K MR16 24D	No
929003610908	MASTER LED 4.9-50W 2700K MR16 36D	No
929003610910	MASTER LED 4.9-50W 2700K MR16 36D	No
929003611008	MASTER LED 4.9-50W 3000K MR16 36D	No
929003611010	MASTER LED 4.9-50W 3000K MR16 36D	No
929003611108	MASTER LED 4.9-50W 4000K MR16 36D	No
929003611110	MASTER LED 4.9-50W 4000K MR16 36D	No
929002493802	MAS LEDspotLV DimTone 7.5-50W MR16 36D	Only with specific
		dimmers
929002493502	MAS LED SPOT VLE D 7.5-50W MR16 927 60D	Only with specific
		dimmers
929002493602	MAS LED SPOT VLE D 7.5-50W MR16 930 60D	Only with specific
		dimmers
929002493702	MAS LED SPOT VLE D 7.5-50W MR16 940 60D	Only with specific
		dimmers

#### Mechanical and Housing

Mechanicate	and Housing		
		Bulb	Bulb
Order Code	Full Product Name	Finish	Shape
929002492502	MAS LED spot VLE D 5.8-35W MR16 927 36D	-	MR16
929002492602	MAS LED spot VLE D 5.8-35W MR16 930 36D	-	MR16
929002492702	MAS LED spot VLE D 5.8-35W MR16 940	-	MR16
	36D		
929002492802	MAS LED spot VLE D 5.8-35W MR16 927 60D	-	MR16
929002492902	MAS LED spot VLE D 5.8-35W MR16 930	-	MR16
	60D		
929002493002	MAS LED spot VLE D 5.8-35W MR16 940	-	MR16
	60D		
929002493102	MAS LEDspotLV DimTone 5.8-35W MR16	-	MR16
	36D		
929002493202	MAS LED SPOT VLE D 7.5-50W MR16 927	-	MR16
	36D		
929002493302	MAS LED SPOT VLE D 7.5-50W MR16 930	-	MR16
	36D		
929002493402	MAS LED SPOT VLE D 7.5-50W MR16 940	-	MR16
	36D		
929001145908	MASTER LED 5.5-50W 2700K MR16 24D	-	MR16
929001146108	MASTER LED 5.5-50W 2700K MR16 36D	-	MR16
929001146608	MASTER LED 5.5-50W 3000K MR16 36D	-	MR16
929001146708	MASTER LED 5.5-50W 3000K MR16 24D	-	MR16
929001146908	MASTER LED 5.5-50W 4000K MR16 36D	-	MR16
929003087002	MAS LEDspotLV 3.5-20W 827 MR11 24D	-	MR11
929003610208	MASTER LED 3.9-35W 2700K MR16 24D	Clear	MR16
929003610210	MASTER LED 3.9-35W 2700K MR16 24D	Clear	MR16
929003610308	MASTER LED 3.9-35W 3000K MR16 24D	Clear	MR16

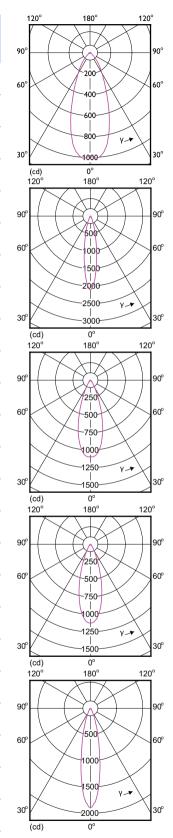
		Bulb	Bulb
Order Code	Full Product Name	Finish	Shape
929003610310	MASTER LED 3.9-35W 3000K MR16 24D	Clear	MR16
929003610408	MASTER LED 3.9-35W 2700K MR16 36D	Clear	MR16
929003610410	MASTER LED 3.9-35W 2700K MR16 36D	Clear	MR16
929003610508	MASTER LED 3.9-35W 3000K MR16 36D	Clear	MR16
929003610510	MASTER LED 3.9-35W 3000K MR16 36D	Clear	MR16
929003610608	MASTER LED 4.9-50W 2700K MR16 24D	Clear	MR16
929003610610	MASTER LED 4.9-50W 2700K MR16 24D	Clear	MR16
929003610708	MASTER LED 4.9-50W 3000K MR16 24D	Clear	MR16
929003610710	MASTER LED 4.9-50W 3000K MR16 24D	Clear	MR16
929003610808	MASTER LED 4.9-50W 4000K MR16 24D	Clear	MR16
929003610810	MASTER LED 4.9-50W 4000K MR16 24D	Clear	MR16
929003610908	MASTER LED 4.9-50W 2700K MR16 36D	Clear	MR16
929003610910	MASTER LED 4.9-50W 2700K MR16 36D	Clear	MR16
929003611008	MASTER LED 4.9-50W 3000K MR16 36D	Clear	MR16
929003611010	MASTER LED 4.9-50W 3000K MR16 36D	Clear	MR16
929003611108	MASTER LED 4.9-50W 4000K MR16 36D	Clear	MR16
929003611110	MASTER LED 4.9-50W 4000K MR16 36D	Clear	MR16
929002493802	MAS LEDspotLV DimTone 7.5-50W MR16	-	MR16
	36D		
929002493502	MAS LED SPOT VLE D 7.5-50W MR16 927	-	MR16
	60D		
929002493602	MAS LED SPOT VLE D 7.5-50W MR16 930	-	MR16
	60D		
929002493702	MAS LED SPOT VLE D 7.5-50W MR16 940	-	MR16
	60D		

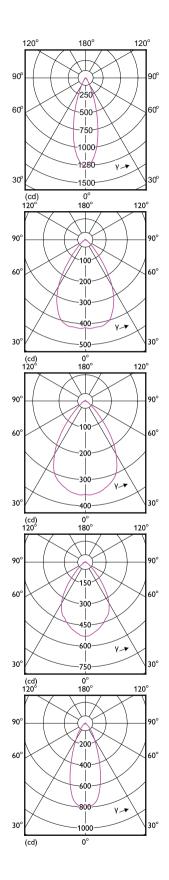
## **Approval and Application**

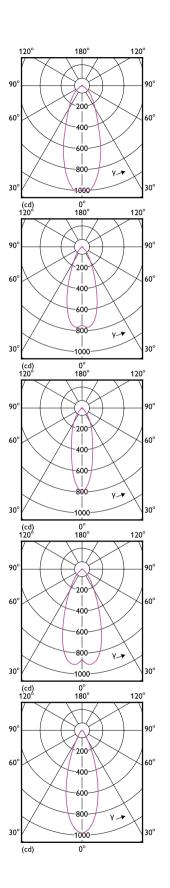
7 (6)			Energy
		Ambient	Consumption
Order Code	Full Product Name	temperature range	kWh/1000 h
929002492502	MAS LED spot VLE D 5.8-35W	-	6 kWh
	MR16 927 36D		
929002492602	MAS LED spot VLE D 5.8-35W	-	6 kWh
	MR16 930 36D		
929002492702	MAS LED spot VLE D 5.8-35W	-	6 kWh
	MR16 940 36D		
929002492802	MAS LED spot VLE D 5.8-35W	-	6 kWh
	MR16 927 60D		
929002492902	MAS LED spot VLE D 5.8-35W	-	6 kWh
	MR16 930 60D		
929002493002	MAS LED spot VLE D 5.8-35W	-	6 kWh
	MR16 940 60D		
929002493102	MAS LEDspotLV DimTone	-	6 kWh
	5.8-35W MR16 36D		
929002493202	MAS LED SPOT VLE D	-	8 kWh
	7.5-50W MR16 927 36D		

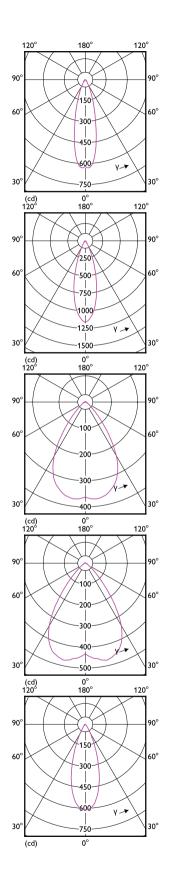
Order Code	Full Product Name	Ambient temperature range	Energy Consumption kWh/1000 h
929002493302	MAS LED SPOT VLE D 7.5-50W MR16 930 36D	-	8 kWh
929002493402	MAS LED SPOT VLE D 7.5-50W MR16 940 36D	-	8 kWh
929001145908	MASTER LED 5.5-50W 2700K MR16 24D	-	-
929001146108	MASTER LED 5.5-50W 2700K MR16 36D	-	-
929001146608	MASTER LED 5.5-50W 3000K MR16 36D	-	-
929001146708	MASTER LED 5.5-50W 3000K MR16 24D	-	-
929001146908	MASTER LED 5.5-50W 4000K MR16 36D	-	-
929003087002	MAS LEDspotLV 3.5-20W 827 MR11 24D	-	4 kWh

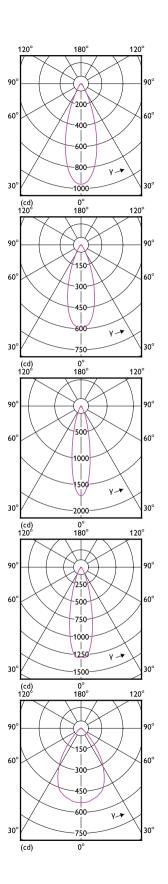
			Energy
		Ambient	Energy Consumption
Order Code	Full Product Name	temperature range	
	MASTER LED 3.9-35W 2700K	-	-
929003010208	MR16 24D	-20 to +43 C	
929003610210	MASTER LED 3.9-35W 2700K	-20 to +45 °C	_
323003010210	MR16 24D	-20 10 143 C	
929003610308	MASTER LED 3.9-35W 3000K	-20 to +45 °C	_
929003010308	MR16 24D	-20 to +43 C	
929003610310	MASTER LED 3.9-35W 3000K	20 to ±45 °C	
323003010310	MR16 24D	-20 10 143 C	
929003610408	MASTER LED 3.9-35W 2700K	-20 to +45 °C	_
323003010400	MR16 36D	2010143 €	
929003610410	MASTER LED 3.9-35W 2700K	-20 to +45 °C	_
525005010110	MR16 36D	2010 1 10 0	
929003610508	MASTER LED 3.9-35W 3000K	-20 to +45 °C	_
	MR16 36D		
929003610510	MASTER LED 3.9-35W 3000K	-20 to +45 °C	_
	MR16 36D		
929003610608	MASTER LED 4.9-50W 2700K	-20 to +45 °C	_
	MR16 24D		
929003610610	MASTER LED 4.9-50W 2700K	-20 to +45 °C	-
	MR16 24D		
929003610708	MASTER LED 4.9-50W 3000K	20 to +45 °C	-
	MR16 24D		
929003610710	MASTER LED 4.9-50W 3000K	-20 to +45 °C	-
	MR16 24D		
929003610808	MASTER LED 4.9-50W 4000K	-20 to +45 °C	-
	MR16 24D		
929003610810	MASTER LED 4.9-50W 4000K	-20 to +45 °C	-
	MR16 24D		
929003610908	MASTER LED 4.9-50W 2700K	-20 to +45 °C	-
	MR16 36D		
929003610910	MASTER LED 4.9-50W 2700K	-20 to +45 °C	-
	MR16 36D		
929003611008	MASTER LED 4.9-50W 3000K	-20 to +45 °C	-
	MR16 36D		
929003611010	MASTER LED 4.9-50W 3000K	-20 to +45 °C	-
	MR16 36D		
929003611108	MASTER LED 4.9-50W 4000K	-20 to +45 °C	-
	MR16 36D		
	MASTER LED 4.9-50W 4000K	-20 to +45 °C	_
	MR16 36D		
929002493802	MAS LEDspotLV DimTone	-	8 kWh
	7.5-50W MR16 36D		
	MAS LED SPOT VLE D	-	8 kWh
	7.5-50W MR16 927 60D		
	MAS LED SPOT VLE D	-	8 kWh
	7.5-50W MR16 930 60D		
929002493702	MAS LED SPOT VLE D	-	8 kWh
	7.5-50W MR16 940 60D		

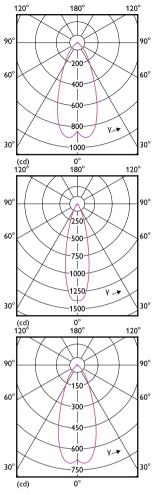


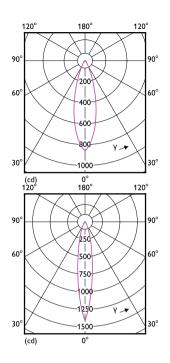




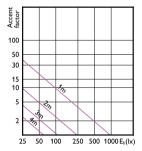




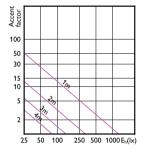




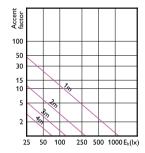
#### **Accent Diagrams**



Accent Diagram - MASTER LED 4.9-50W 2700K MR16 36D

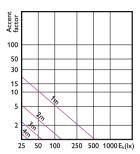


Accent Diagram - MASTER LED 4.9-50W 2700K MR16 24D

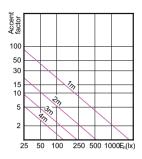


Accent Diagram - MASTER LED 4.9-50W 3000K MR16 36D

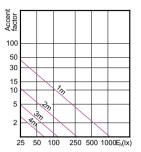
#### **Accent Diagrams**



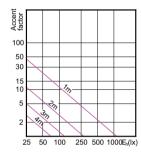
Accent Diagram - MAS LED SPOT VLE D 7.5-50W MR16 927 60D



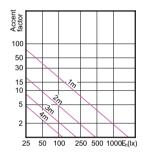
Accent Diagram - MASTER LED 5.5-50W 2700K MR16 24D



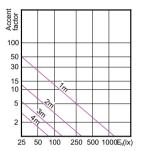
Accent Diagram - MASTER LED 5.5-50W 2700K MR16 36D



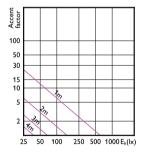
Accent Diagram - MASTER LED 5.5-50W 3000K MR16 36D



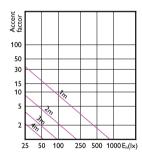
Accent Diagram - MASTER LED 5.5-50W 3000K MR16 24D



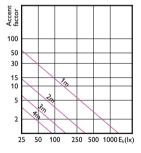
Accent Diagram - MASTER LED 5.5-50W 4000K MR16 36D



Accent Diagram - MASTER LED 3.9-35W 2700K MR16 24D

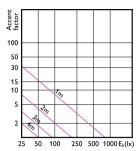


Accent Diagram - MAS LED SPOT VLE D 7.5-50W MR16 930 36D

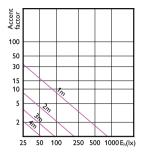


Accent Diagram - MASTER LED 3.9-35W 3000K MR16 24D

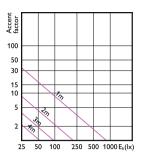
#### **Accent Diagrams**



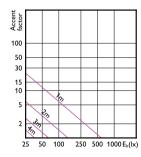
Accent Diagram - MAS LEDspotLV DimTone 5.8-35W MR16 36D



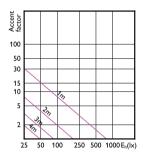
Accent Diagram - MAS LED SPOT VLE D 7.5-50W MR16 940 36D



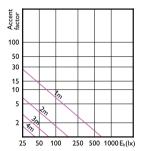
Accent Diagram - MASTER LED 3.9-35W 3000K MR16 36D



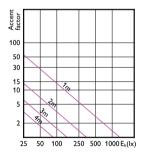
Accent Diagram - MASTER LED 3.9-35W 2700K MR16 36D



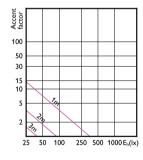
Accent Diagram - MAS LED spot VLE D 5.8-35W MR16 940 36D



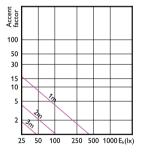
Accent Diagram - MAS LED spot VLE D 5.8-35W MR16 927 36D



Accent Diagram - MASTER LED 4.9-50W 4000K MR16 24D

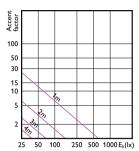


Accent Diagram - MAS LED spot VLE D 5.8-35W MR16 930 60D

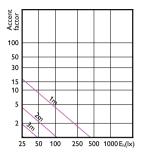


Accent Diagram - MAS LED spot VLE D 5.8-35W MR16 940 60D

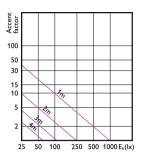
#### **Accent Diagrams**



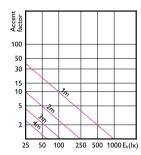
Accent Diagram - MAS LEDspotLV 3.5-20W 827 MR11 24D



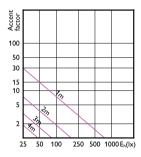
Accent Diagram - MAS LED SPOT VLE D 7.5-50W MR16 930 60D



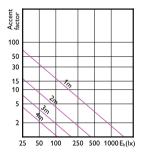
Accent Diagram - MASTER LED 4.9-50W 4000K MR16 36D



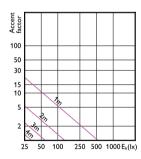
Accent Diagram - MAS LEDspotLV DimTone 7.5-50W MR16 36D



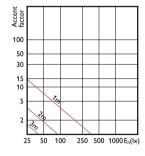
Accent Diagram - MAS LED spot VLE D 5.8-35W MR16 930 36D



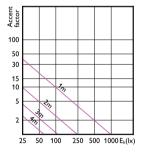
Accent Diagram - MASTER LED 4.9-50W 3000K MR16 24D



Accent Diagram - MAS LED SPOT VLE D 7.5-50W MR16 940 60D

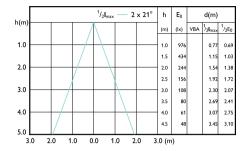


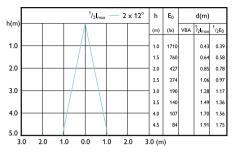
Accent Diagram - MAS LED spot VLE D 5.8-35W MR16 927 60D

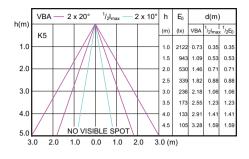


Accent Diagram - MAS LED SPOT VLE D 7.5-50W MR16 927 36D

#### **Beam Diagrams**



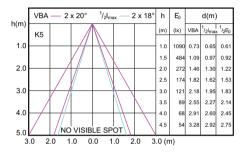


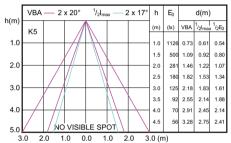


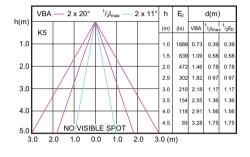
Beam diagram - MAS LED SPOT VLE D 7.5-50W MR16 927 36D

Beam diagram - MASTER LED 4.9-50W 3000K MR16 24D

Beam diagram - MASTER LED 5.5-50W 2700K MR16 24D



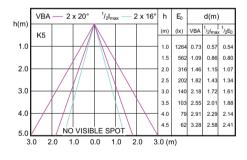


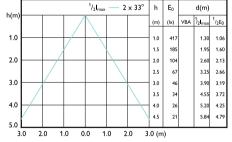


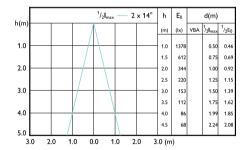
Beam diagram - MASTER LED 5.5-50W 2700K MR16 36D

Beam diagram - MASTER LED 5.5-50W 3000K MR16 36D

Beam diagram - MASTER LED 5.5-50W 3000K MR16 24D





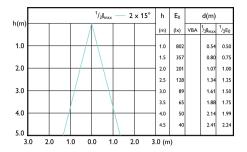


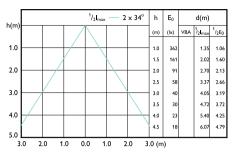
Beam diagram - MASTER LED 5.5-50W 4000K MR16 36D

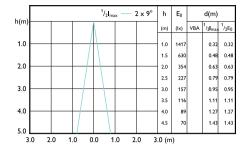
Beam diagram - MAS LED spot VLE D 5.8-35W MR16 940 60D

Beam diagram - MASTER LED 4.9-50W 4000K MR16 24D

#### **Beam Diagrams**



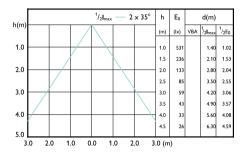


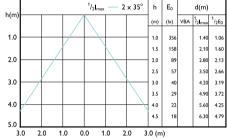


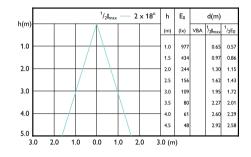
Beam diagram - MAS LEDspotLV DimTone 5.8-35W MR16 36D

Beam diagram - MAS LED spot VLE D 5.8-35W MR16 927 60D

Beam diagram - MASTER LED 3.9-35W 3000K MR16 24D



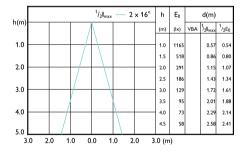


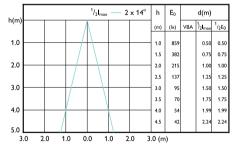


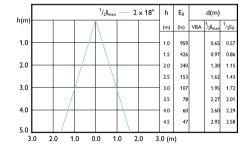
Beam diagram - MAS LED SPOT VLE D 7.5-50W MR16 940 60D

Beam diagram - MAS LED spot VLE D 5.8-35W MR16 930 60D

Beam diagram - MASTER LED 4.9-50W 4000K MR16 36D





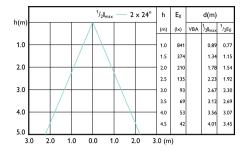


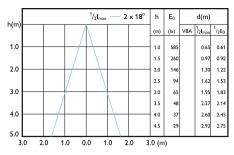
Beam diagram - MASTER LED 4.9-50W 3000K MR16 36D

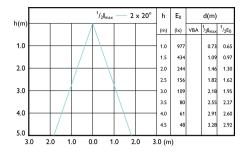
Beam diagram - MASTER LED 3.9-35W 3000K MR16 36D

Beam diagram - MASTER LED 4.9-50W 2700K MR16 36D

#### **Beam Diagrams**



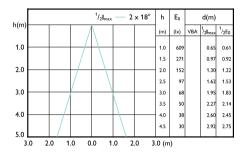


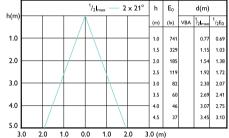


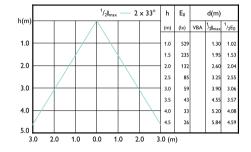
Beam diagram - MAS LED SPOT VLE D 7.5-50W MR16 940 36D

Beam diagram - MASTER LED 3.9-35W 2700K MR16 36D

Beam diagram - MAS LEDspotLV DimTone 7.5-50W MR16 36D



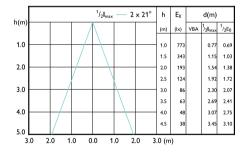


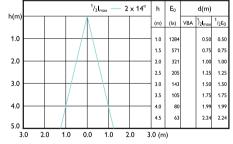


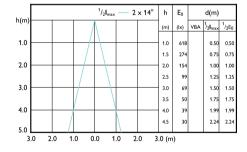
Beam diagram - MASTER LED 3.9-35W 2700K MR16 24D

Beam diagram - MAS LED spot VLE D 5.8-35W MR16 930 36D

Beam diagram - MAS LED SPOT VLE D 7.5-50W MR16 927 60D





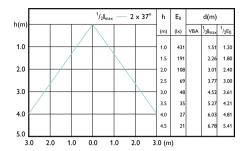


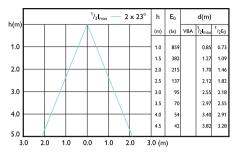
Beam diagram - MAS LED spot VLE D 5.8-35W MR16 940 36D

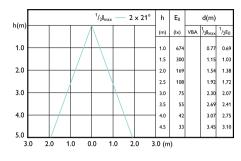
Beam diagram - MASTER LED 4.9-50W 2700K MR16 24D

Beam diagram - MAS LEDspotLV 3.5-20W 827 MR11 24D

#### **Beam Diagrams**







Beam diagram - MAS LED SPOT VLE D 7.5-50W MR16 930 60D Beam diagram - MAS LED SPOT VLE D 7.5-50W MR16 930 36D

Beam diagram - MAS LED spot VLE D 5.8-35W MR16 927 36D



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