



# The Perfect LED Spot solution

## LED MR16

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.

### Benefits

- Up to 80% energy saving compared with halogen lamps and lower maintenance costs
- Easy to replace/retro-fit. Broad compatibility with transformers
- "Perfect fit" in most current Halogen fixtures

### Features

- Ranging between 15,000 to 40,000 hour LED Lifetime
- Easy to replace/retro-fit- "Perfect fit" in most current Halogen fixtures. Title 20 & Title 24 JA8 compliant versions options are available
- Optimized look and feel of product
- Compatible with most commonly available halogen transformers
- Ranging between 3-year to 5-year limited component warranty depending upon operating hours

### Application

- Hotels, restaurants, bars, cafés, museums, shops
- Lobbies, corridors, stairwells, washrooms, reception areas , exhibitions, display cabinets

LED MR16

Versions

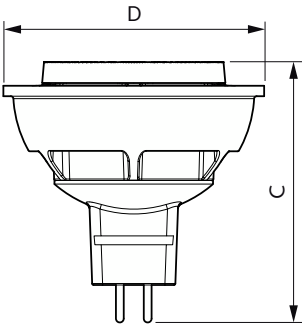
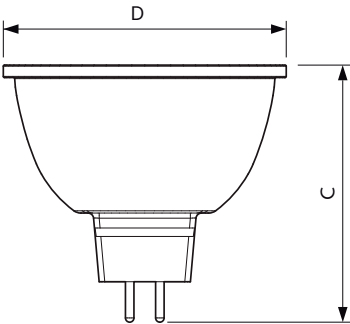


MAS LED ExpertColor 7.2-50W  
MR16 GU5.3



LEDspots DIM IC MR16 GU5,3

Dimensional drawing



Product	D	C
6.3MR16/LED/F25/927/D/EC/12V T20 10/1FB	50.5 mm	46 mm
6.3MR16/LED/F35/927/D/EC/12V T20 10/1FB	50.5 mm	46 mm
6.3MR16/LED/F35/930/D/EC/12V T20 10/1FB	50.5 mm	46 mm
7.8MR16/PER/927/F25/Dim/EC/12V 10/1FB	50.5 mm	46 mm
7.8MR16/PER/930/F25/Dim/EC/12V 10/1FB	50.5 mm	46 mm
7.8MR16/PER/930/F35/Dim/EC/12V 10/1FB	50.5 mm	46 mm
7.8MR16/PER/930/S10/Dim/EC/12V 10/1FB	50.5 mm	46 mm
7MR16/LED/827/F25/DIM 12V 10/1FB	50 mm	46.5 mm
7MR16/LED/827/F35/DIM 12V 10/1FB	50 mm	46.5 mm
7MR16/LED/830/F25/DIM 12V 10/1FB	50 mm	46.5 mm
7MR16/LED/830/F35/DIM 12V 10/1FB	50 mm	46.5 mm
8MR16/LED/827/F25/DIM 12V 10/1FB	50 mm	46.5 mm
8MR16/LED/827/F35/DIM 12V 10/1FB	50 mm	46.5 mm
8MR16/LED/830/F25/DIM 12V 10/1FB	50 mm	46.5 mm
8MR16/LED/830/F35/DIM 12V 10/1FB	50 mm	46.5 mm
8MR16/LED/840/F35/DIM 12V 10/1FB	50 mm	46.5 mm

Product	D	C
6.5MR16/F25/2700-2200 DIM 12V	51 mm	50.5 mm
6.5MR16/F35/2700-2200 DIM 12V	51 mm	50.5 mm

LED MR16

General Information	
Cap-Base	GU5.3
Switching Cycle	50,000
Nominal lifetime	25,000 hour(s)
Light Technical	
LLMF At End Of Nominal Lifetime (Nom)	70 %
Operating and Electrical	
Input Frequency	- Hz
Line Frequency	- Hz
Starting Time (Nom)	0.5 s
Controls and Dimming	
Dimmable	Only with specific dimmers
Mechanical and Housing	
Bulb Finish	Clear
Bulb Shape	MR16

Light Technical (1/2)

Order Code	Full Product Name	Beam Angle (Nom)	Correlated Color	Color	Color Code
			Temperature (Nom)	rendering index (CRI)	
929003072504	8MR16/LED/827/F25/DIM 12V 10/1FB	25 degree(s)	2700 K	80	827
929003072604	8MR16/LED/830/F25/DIM 12V 10/1FB	25 degree(s)	3000 K	80	830
929003072704	8MR16/LED/827/F35/DIM 12V 10/1FB	35 degree(s)	2700 K	80	827
929003072804	8MR16/LED/830/F35/DIM 12V 10/1FB	35 degree(s)	3000 K	80	830
929003072904	8MR16/LED/840/F35/DIM 12V 10/1FB	35 degree(s)	4000 K	80	840
929003076204	7MR16/LED/827/F25/DIM 12V 10/1FB	25 degree(s)	2700 K	80	827
929003076304	7MR16/LED/830/F25/DIM 12V 10/1FB	25 degree(s)	3000 K	80	830
929003076404	7MR16/LED/827/F35/DIM 12V 10/1FB	35 degree(s)	2700 K	80	827
929003076504	7MR16/LED/830/F35/DIM 12V 10/1FB	35 degree(s)	3000 K	80	830
929003080304	6.3MR16/LED/F25/927/D/EC/12V T20 10/1FB	25 degree(s)	2700 K	91	927
929003080504	6.3MR16/LED/F35/927/D/EC/12V T20 10/1FB	35 degree(s)	2700 K	91	927
929003080604	6.3MR16/LED/F35/930/D/EC/12V T20 10/1FB	35 degree(s)	3000 K	91	930
929003080804	7.8MR16/PER/930/S10/Dim/EC /12V 10/1FB	10 degree(s)	3000 K	95	930
929003081004	7.8MR16/PER/927/F25/Dim/EC /12V 10/1FB	25 degree(s)	2700 K	95	927
929003081104	7.8MR16/PER/930/F25/Dim/EC /12V 10/1FB	25 degree(s)	3000 K	95	930
929003081404	7.8MR16/PER/930/F35/Dim/EC /12V 10/1FB	35 degree(s)	3000 K	95	930
929003087104	6.5MR16/F25/2700-2200 DIM 12V	25 degree(s)	2200 K	80	822-827
929003087204	6.5MR16/F35/2700-2200 DIM 12V	35 degree(s)	2200 K	80	822-827

Light Technical (2/2)

Order Code	Full Product Name	Luminous		Order Code	Full Product Name	Luminous	
		Luminous Flux	Intensity (Nom)			Luminous Flux	Intensity (Nom)
929003072504	8MR16/LED/827/F25/DIM 12V 10/1FB	600 lm	3,100 cd	929003072804	8MR16/LED/830/F35/DIM 12V 10/1FB	620 lm	1,700 cd
929003072604	8MR16/LED/830/F25/DIM 12V 10/1FB	620 lm	3,250 cd	929003072904	8MR16/LED/840/F35/DIM 12V 10/1FB	660 lm	1,800 cd
929003072704	8MR16/LED/827/F35/DIM 12V 10/1FB	600 lm	1,700 cd	929003076204	7MR16/LED/827/F25/DIM 12V 10/1FB	515 lm	2,400 cd

LED MR16

Order Code	Full Product Name	Luminous	
		Luminous Flux	Intensity (Nom)
929003076304	7MR16/LED/830/F25/DIM 12V 10/1FB	515 lm	2,500 cd
929003076404	7MR16/LED/827/F35/DIM 12V 10/1FB	515 lm	1,350 cd
929003076504	7MR16/LED/830/F35/DIM 12V 10/1FB	515 lm	1,350 cd
929003080304	6.3MR16/LED/F25/927/D/EC/12V T20 10/1FB	470 lm	1,960 cd
929003080504	6.3MR16/LED/F35/927/D/EC/12V T20 10/1FB	470 lm	1,110 cd
929003080604	6.3MR16/LED/F35/930/D/EC/12V T20 10/1FB	470 lm	1,110 cd

Order Code	Full Product Name	Luminous	
		Luminous Flux	Intensity (Nom)
929003080804	7.8MR16/PER/930/S10/Dim/EC/12V 10/1FB	480 lm	5,300 cd
929003081004	7.8MR16/PER/927/F25/Dim/EC/12V 10/1FB	480 lm	2,330 cd
929003081104	7.8MR16/PER/930/F25/Dim/EC/12V 10/1FB	480 lm	2,330 cd
929003081404	7.8MR16/PER/930/F35/Dim/EC/12V 10/1FB	480 lm	1,320 cd
929003087104	6.5MR16/F25/2700-2200 DIM 12V	455 lm	1,601 cd
929003087204	6.5MR16/F35/2700-2200 DIM 12V	455 lm	950 cd

Operating and Electrical

Order Code	Full Product Name	Power	Wattage
		Consumption	Equivalent
929003072504	8MR16/LED/827/F25/DIM 12V 10/1FB	8 W	75 W
929003072604	8MR16/LED/830/F25/DIM 12V 10/1FB	8 W	75 W
929003072704	8MR16/LED/827/F35/DIM 12V 10/1FB	8 W	75 W
929003072804	8MR16/LED/830/F35/DIM 12V 10/1FB	8 W	75 W
929003072904	8MR16/LED/840/F35/DIM 12V 10/1FB	8 W	75 W
929003076204	7MR16/LED/827/F25/DIM 12V 10/1FB	7 W	50 W
929003076304	7MR16/LED/830/F25/DIM 12V 10/1FB	7 W	50 W
929003076404	7MR16/LED/827/F35/DIM 12V 10/1FB	7 W	50 W
929003076504	7MR16/LED/830/F35/DIM 12V 10/1FB	7 W	50 W

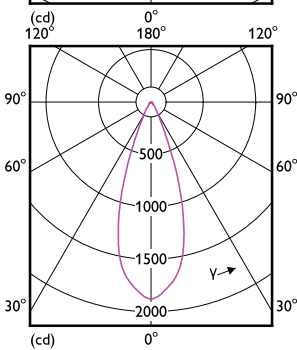
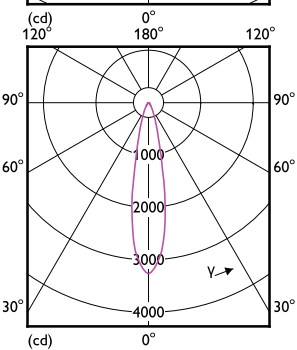
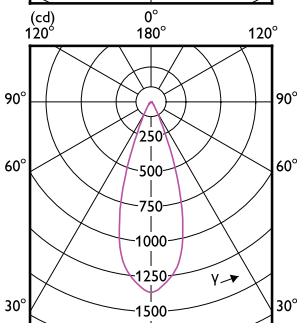
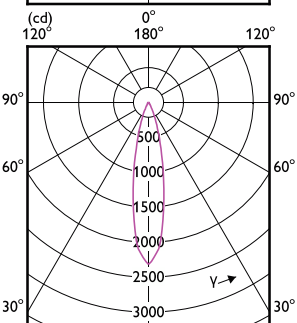
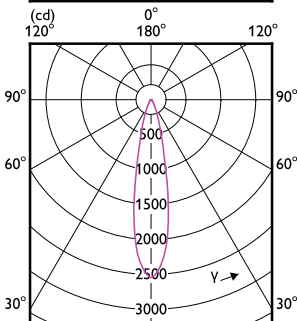
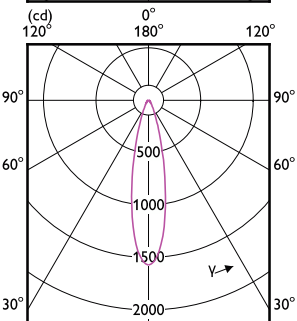
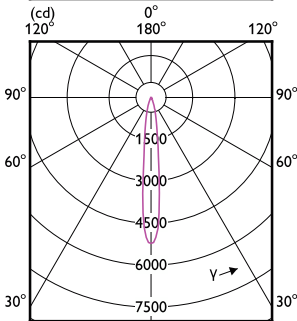
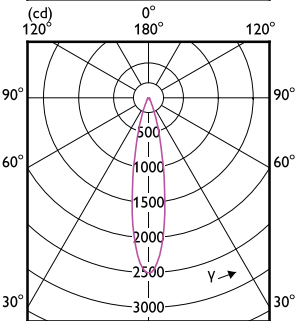
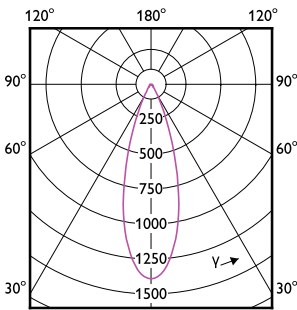
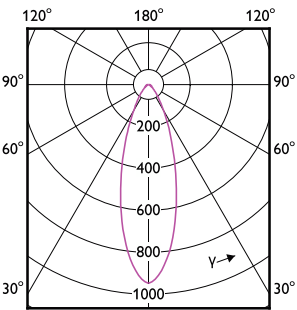
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		Consumption	Equivalent
929003080304	6.3MR16/LED/F25/927/D/EC/12V T20 10/1FB	6.3 W	42 W
929003080504	6.3MR16/LED/F35/927/D/EC/12V T20 10/1FB	6.3 W	42 W
929003080604	6.3MR16/LED/F35/930/D/EC/12V T20 10/1FB	6.3 W	42 W
929003080804	7.8MR16/PER/930/S10/Dim/EC/ 12V 10/1FB	7.8 W	35 W
929003081004	7.8MR16/PER/927/F25/Dim/EC/ 12V 10/1FB	7.8 W	50 W
929003081104	7.8MR16/PER/930/F25/Dim/EC/ 12V 10/1FB	7.8 W	50 W
929003081404	7.8MR16/PER/930/F35/Dim/EC/ 12V 10/1FB	7.8 W	50 W
929003087104	6.5MR16/F25/2700-2200 DIM 12V	6.5 W	35 W
929003087204	6.5MR16/F35/2700-2200 DIM 12V	6.5 W	35 W

Temperature

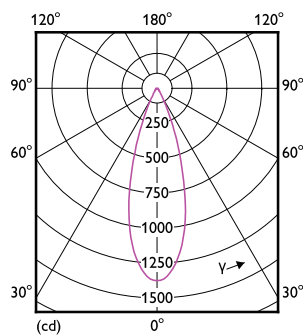
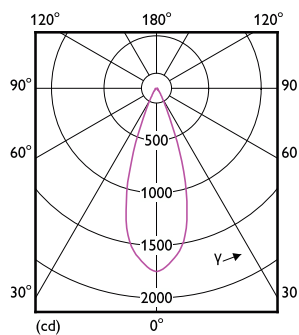
Order Code	Full Product Name	T-Case Maximum
		(Nom)
929003072504	8MR16/LED/827/F25/DIM 12V 10/1FB	93 °C
929003072604	8MR16/LED/830/F25/DIM 12V 10/1FB	93 °C
929003072704	8MR16/LED/827/F35/DIM 12V 10/1FB	93 °C
929003072804	8MR16/LED/830/F35/DIM 12V 10/1FB	93 °C
929003072904	8MR16/LED/840/F35/DIM 12V 10/1FB	93 °C
929003076204	7MR16/LED/827/F25/DIM 12V 10/1FB	90 °C
929003076304	7MR16/LED/830/F25/DIM 12V 10/1FB	90 °C
929003076404	7MR16/LED/827/F35/DIM 12V 10/1FB	90 °C
929003076504	7MR16/LED/830/F35/DIM 12V 10/1FB	90 °C
929003080304	6.3MR16/LED/F25/927/D/EC/12V T20 10/1FB	89 °C

Order Code	Full Product Name	T-Case Maximum
		(Nom)
929003080504	6.3MR16/LED/F35/927/D/EC/12V T20 10/1FB	89 °C
929003080604	6.3MR16/LED/F35/930/D/EC/12V T20 10/1FB	89 °C
929003080804	7.8MR16/PER/930/S10/Dim/EC/12V 10/1FB	93 °C
929003081004	7.8MR16/PER/927/F25/Dim/EC/12V 10/1FB	93 °C
929003081104	7.8MR16/PER/930/F25/Dim/EC/12V 10/1FB	93 °C
929003081404	7.8MR16/PER/930/F35/Dim/EC/12V 10/1FB	93 °C
929003087104	6.5MR16/F25/2700-2200 DIM 12V	80 °C
929003087204	6.5MR16/F35/2700-2200 DIM 12V	80 °C

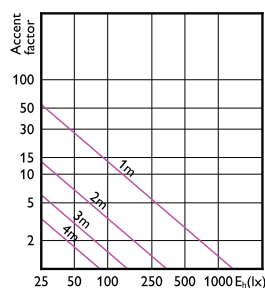
LED MR16



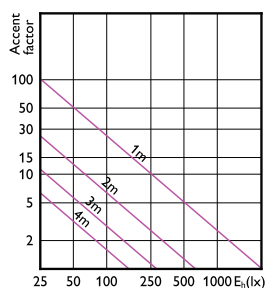
# LED MR16



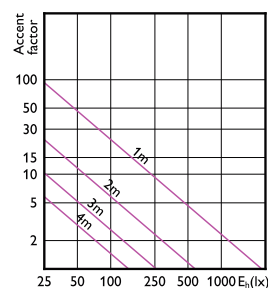
## Accent Diagrams



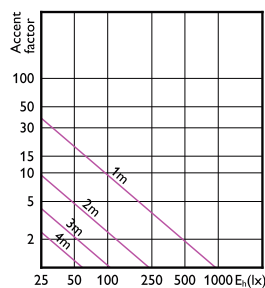
Accent Diagram - 7MR16/LED/827/F35/DIM 12V 10/1FB



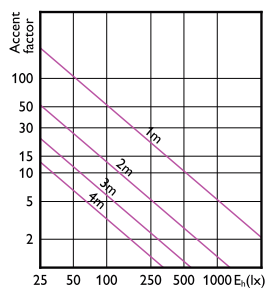
Accent Diagram - 7MR16/LED/827/F25/DIM 12V 10/1FB



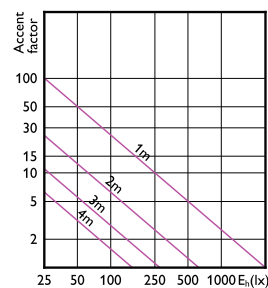
Accent Diagram - 7.8MR16/PER/930/F25/Dim/EC/12V 10/1FB



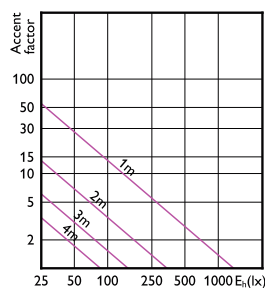
Accent Diagram - 6.5MR16/F35/2700-2200 DIM 12V



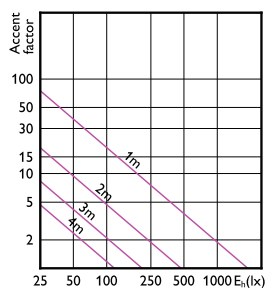
Accent Diagram - 7.8MR16/PER/930/S10/Dim/EC/12V 10/1FB



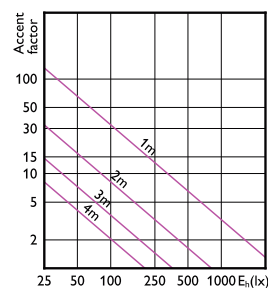
Accent Diagram - 6.3MR16/LED/F25/927/D/EC/12V T20 10/1FB



Accent Diagram - 7.8MR16/PER/930/F35/Dim/EC/12V 10/1FB



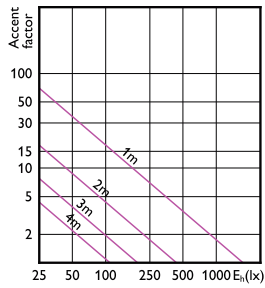
Accent Diagram - 8MR16/LED/840/F35/DIM 12V 10/1FB



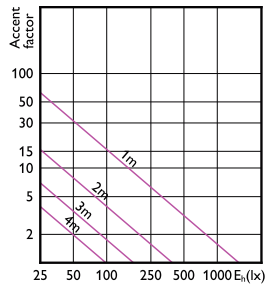
Accent Diagram - 8MR16/LED/830/F25/DIM 12V 10/1FB

# LED MR16

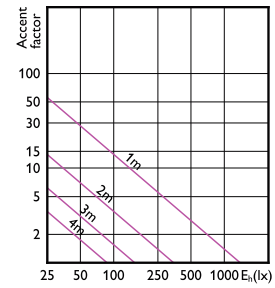
## Accent Diagrams



Accent Diagram - 8MR16/LED/830/F35/DIM  
12V 10/1FB

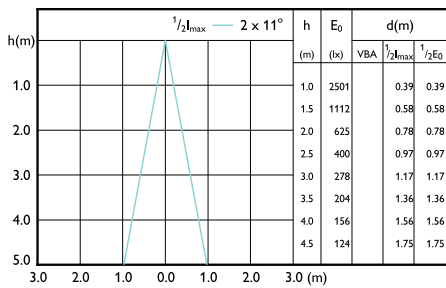


Accent Diagram - 6.5MR16/F25/2700-2200  
DIM 12V

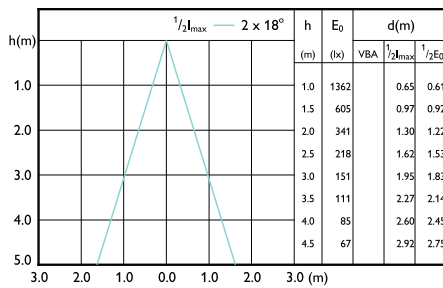


Accent Diagram - 6.3MR16/LED/  
F35/930/D/EC/12V T20 10/1FB

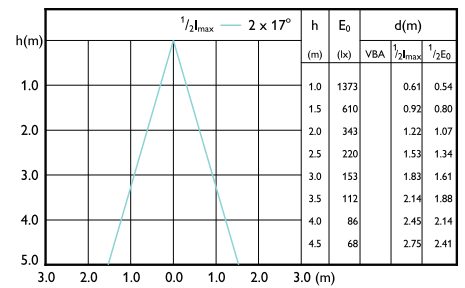
## Beam Diagrams



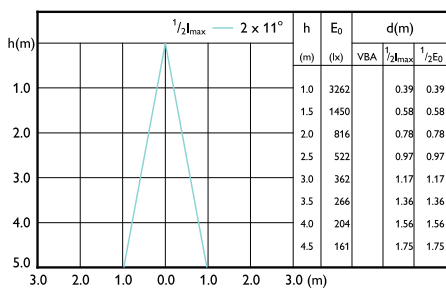
Beam diagram - 6.3MR16/LED/  
F25/927/D/EC/12V T20 10/1FB



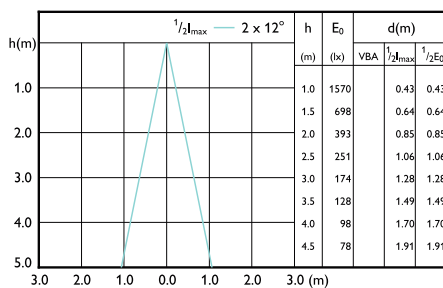
Beam diagram - 7MR16/LED/827/F35/DIM 12V  
10/1FB



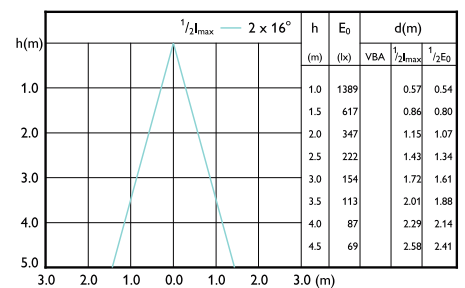
Beam diagram -  
7.8MR16/PER/930/F35/Dim/EC/12V 10/1FB



Beam diagram - 8MR16/LED/830/F25/DIM 12V  
10/1FB



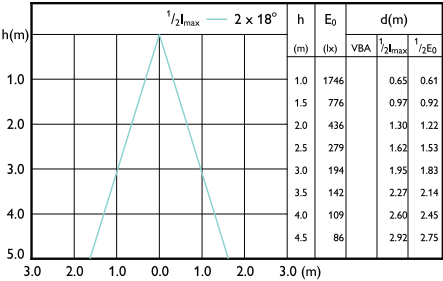
Beam diagram - 6.5MR16/F25/2700-2200 DIM  
12V



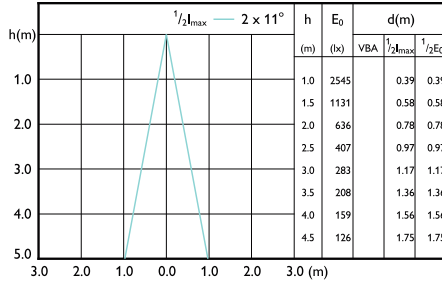
Beam diagram - 6.3MR16/LED/  
F35/930/D/EC/12V T20 10/1FB

LED MR16

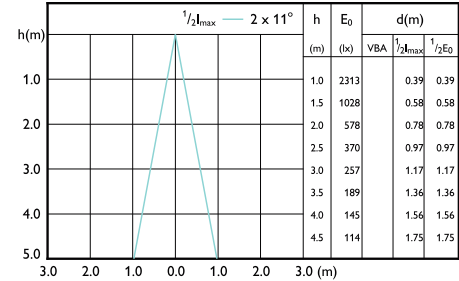
Beam Diagrams



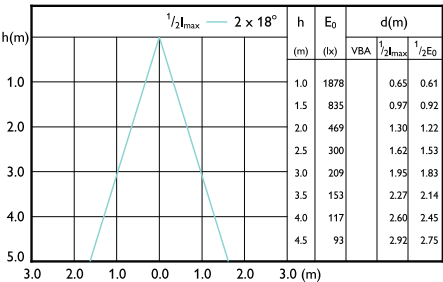
Beam diagram - 8MR16/LED/830/F35/DIM 12V 10/1FB



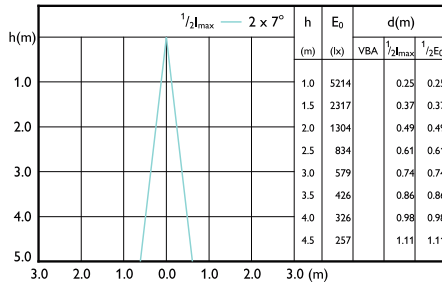
Beam diagram - 7MR16/LED/827/F25/DIM 12V 10/1FB



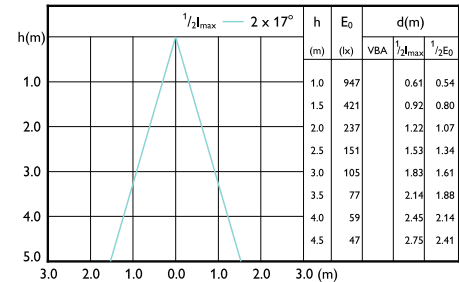
Beam diagram - 7.8MR16/PER/930/F25/Dim/EC/12V 10/1FB



Beam diagram - 8MR16/LED/840/F35/DIM 12V 10/1FB



Beam diagram - 7.8MR16/PER/930/S10/Dim/EC/12V 10/1FB



Beam diagram - 6.5MR16/F35/2700-2200 DIM 12V

