Accent with higher performance LED retrofits

MR16/GU10/PAR16 LED

Philips MR16 Dimmable LED Lamps provide ambient level light to illuminate hard to maintain applications. Increased transformer compatability allows for operation on a wider range of transformers. Available in dimmable and non-dimmable versions, these lamps are ideal for track and open recessed fixtures in retail, hospitality and residential spaces.

Benefits

- Long life properties-- lowers maintenance costs by reducing re-lamp frequency
- Will not fade colors, avoids inventory spoilage
- Contains no mercury
- Emits virtually no UV/IR light in the beam
- 3-year or 5-year limited warranty depending upon operating hours

Features

- Available in dimmable* and non-dimmable versions
- Provides quality white light and a crisp, uniform beam
- 7W and 7W HO MRX16s are suitable for use in many enclosed fixtures
- 40,000-hour rated average life⁺ for 7W MRX16
- Instant-on light
- [*]Dimmable when using leading edge dimmers (see Philips Website: www.philips.com/ledtechguide for compatible leading edge dimmers.)
- ⁺Rated average life based on engineering testing and probability analysis.

Application

- Ideal for accent and ambient lighting in retail and hospitality spaces.

Versions

GU5.3 MR16

GU5.3 MR16

GU5.3 MR16

GU10 PAR16

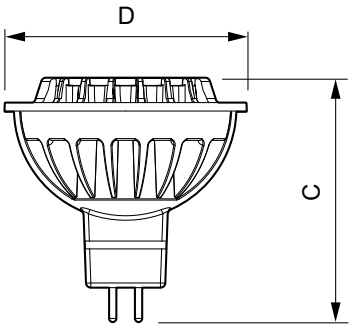
GU5.3 MR16

GU5.3 MR16

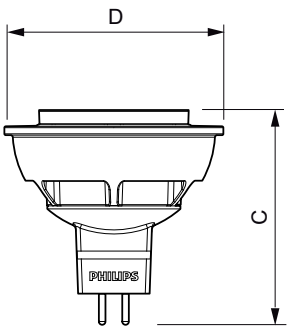
GU5.3 MR16

GU5.3 MR16

Dimensional drawing

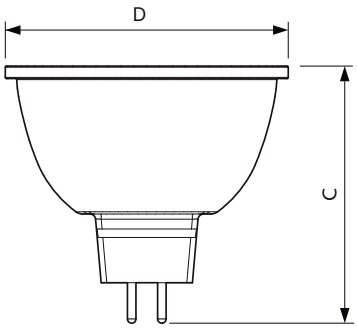


Product	D	C
7MR16/LED/S15/827/DIM AF2 10/1	51 mm	51 mm

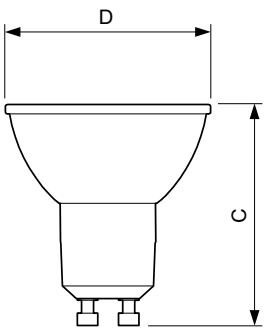


Product	D	C
6.5MR16/F35/2700-2200 DIM 12V	51 mm	50 mm
6.5MR16/F25/2700-2200 DIM 12V	51 mm	50 mm
6.4MR16/F25/3000 DIM 12V	51 mm	51 mm
6.4MR16/F35/3000 DIM 12V	51 mm	51 mm

Dimensional drawing



Product	D	C
6.5MR16/LED/F35/927/D/EC/12V T20 10/1FB	50.5 mm	46 mm
6.5MR16/LED/F25/930/D/EC/12V T20 10/1FB	50.5 mm	46 mm
6.5MR16/LED/F35/930/D/EC/12V T20 10/1FB	50.5 mm	46 mm
6.5MR16/LED/F25/927/D/EC/12V T20 10/1FB	50.5 mm	46 mm
8.5MR16/LED/830/F35/DIM 12V 10/1FB	50.5 mm	46.5 mm
8.5MR16/LED/827/F35/DIM 12V 10/1FB	50.5 mm	46.5 mm
8.5MR16/LED/840/F35/DIM 12V 10/1FB	50.5 mm	46.5 mm
7.3MR16/LED/827/F35/DIM 12V 10/1FB	50.5 mm	46.5 mm
7.3MR16/LED/830/F35/DIM 12V 10/1FB	50.5 mm	46.5 mm
8.5MR16/LED/840/F25/DIM 12V 10/1FB	50.5 mm	46.5 mm
7.3MR16/LED/827/F25/DIM 12V 10/1FB	50.5 mm	46.5 mm
8.5MR16/LED/827/F25/DIM 12V 10/1FB	50.5 mm	46.5 mm
8.5MR16/LED/830/F25/DIM 12V 10/1FB	50.5 mm	46.5 mm
7.3MR16/LED/830/F25/DIM 12V 10/1FB	50.5 mm	46.5 mm
7MR16 ExpertColor Retail F25 930 10/1	51 mm	46 mm
7MR16 ExpertColor Retail S10 930 10/1	51 mm	46 mm
7MR16 ExpertColor Retail F35 930 10/1	51 mm	46 mm
7MR16 ExpertColor F25 940 D 10/1	51 mm	46 mm
7MR16 ExpertColor F35 940 D 10/1	51 mm	46 mm
7MR16 ExpertColor F35 927 D 10/1	51 mm	46 mm
7MR16 ExpertColor F25 927 D 10/1	51 mm	46 mm
7MR16 ExpertColor F35 930 D 10/1	51 mm	46 mm
7MR16 ExpertColor S10 940 D 10/1	51 mm	46 mm
7.8MR16/PER/927/F35/Dim/EC/12V 10/1FB	51 mm	46 mm
7.8MR16/PER/940/F35/Dim/EC/12V 10/1FB	51 mm	46 mm
7.8MR16/PER/930/F35/Dim/EC/12V 10/1FB	51 mm	46 mm
7.8MR16/PER/927/F25/Dim/EC/12V 10/1FB	51 mm	46 mm
7.8MR16/PER/940/F25/Dim/EC/12V 10/1FB	51 mm	46 mm
7.8MR16/PER/930/F25/Dim/EC/12V 10/1FB	51 mm	46 mm
7.8MR16/PER/940/S10/Dim/EC/12V 10/1FB	51 mm	46 mm
7.8MR16/PER/930/S10/Dim/EC/12V 10/1FB	51 mm	46 mm
7.8MR16/PER/927/S10/Dim/EC/12V 10/1FB	51 mm	46 mm



Product	D	C
4.5GU10/LEDCLA/F35/830/DIM 10/1	50 mm	53 mm

MR16/GU10/PAR16 LED

General Information	
Switching Cycle	50000X

Light Technical	
Lmf At End Of Nominal Lifetime (Nom)	70 %

Approval and Application

Order Code	Full Product Name	Energy Consumption kWh/1000 h	Energy Efficiency Label (EEL)
454538	6.5MR16/F25/2700-2200 DIM 12V 10/1	- kWh	Not applicable
454546	6.5MR16/F35/2700-2200 DIM 12V 10/1	7 kWh	Not applicable
470336	6.4MR16/F25/3000 DIM 12V 10/1	-	Not applicable
470344	6.4MR16/F35/3000 DIM 12V 10/1	-	Not applicable
461525	7MR16/LED/S15/827/DIM AF2 10/1	8 kWh	Not applicable
468140	4.5GU10/LED/F35/830/DIM 10/1	-	Not applicable
470153	7MR16 ExpertColor S10 940 D 10/1	-	-
470229	7MR16 ExpertColor Retail S10 930 10/1	-	-
479139	6.5MR16/LED/F25/927/D/EC/12V T20 10/1FB	-	-
479147	6.5MR16/LED/F25/930/D/EC/12V T20 10/1FB	-	-
479162	6.5MR16/LED/F35/927/D/EC/12V T20 10/1FB	-	-
479170	6.5MR16/LED/F35/930/D/EC/12V T20 10/1FB	-	-
470138	7.8MR16/PER/927/S10/Dim/EC/12V 10/1FB	-	-
470146	7.8MR16/PER/930/S10/Dim/EC/12V 10/1FB	-	-
470153	7.8MR16/PER/940/S10/Dim/EC/12V 10/1FB	-	-
470161	7.8MR16/PER/927/F25/Dim/EC/12V 10/1FB	-	-
470179	7.8MR16/PER/930/F25/Dim/EC/12V 10/1FB	-	-

Order Code	Full Product Name	Energy Consumption kWh/1000 h	Energy Efficiency Label (EEL)
470187	7.8MR16/PER/940/F25/Dim/EC/12V 10/1FB	-	-
470195	7.8MR16/PER/927/F35/Dim/EC/12V 10/1FB	-	-
470203	7.8MR16/PER/930/F35/Dim/EC/12V 10/1FB	-	-
470211	7.8MR16/PER/940/F35/Dim/EC/12V 10/1FB	-	-
470161	7MR16 ExpertColor F25 927 D 10/1	-	-
470187	7MR16 ExpertColor F25 940 D 10/1	-	-
470195	7MR16 ExpertColor F35 927 D 10/1	-	-
470203	7MR16 ExpertColor F35 930 D 10/1	-	-
470211	7MR16 ExpertColor F35 940 D 10/1	-	-
470237	7MR16 ExpertColor Retail F25 930 10/1	-	-
470245	7MR16 ExpertColor Retail F35 930 10/1	-	-
533117	7.3MR16/LED/827/F25/DIM 12V 10/1FB	-	-
533125	7.3MR16/LED/830/F25/DIM 12V 10/1FB	-	-
533141	7.3MR16/LED/827/F35/DIM 12V 10/1FB	-	-
533158	7.3MR16/LED/830/F35/DIM 12V 10/1FB	-	-
533182	8.5MR16/LED/827/F35/DIM 12V 10/1FB	-	-
533190	8.5MR16/LED/830/F35/DIM 12V 10/1FB	-	-
533331	8.5MR16/LED/840/F35/DIM 12V 10/1FB	-	-
533513	8.5MR16/LED/827/F25/DIM 12V 10/1FB	-	-
533174	8.5MR16/LED/830/F25/DIM 12V 10/1FB	-	-
533521	8.5MR16/LED/840/F25/DIM 12V 10/1FB	-	-

Controls and Dimming

Order Code	Full Product Name	Dimmable
454538	6.5MR16/F25/2700-2200 DIM 12V 10/1	Yes
454546	6.5MR16/F35/2700-2200 DIM 12V 10/1	Yes
470336	6.4MR16/F25/3000 DIM 12V 10/1	Yes
470344	6.4MR16/F35/3000 DIM 12V 10/1	Yes
461525	7MR16/LED/S15/827/DIM AF2 10/1	Yes
468140	4.5GU10/LED/F35/830/DIM 10/1	Yes
470153	7MR16 ExpertColor S10 940 D 10/1	Yes
470229	7MR16 ExpertColor Retail S10 930 10/1	No
479139	6.5MR16/LED/F25/927/D/EC/12V T20 10/1FB	Yes
479147	6.5MR16/LED/F25/930/D/EC/12V T20 10/1FB	Yes
479162	6.5MR16/LED/F35/927/D/EC/12V T20 10/1FB	Yes
479170	6.5MR16/LED/F35/930/D/EC/12V T20 10/1FB	Yes
470138	7.8MR16/PER/927/S10/Dim/EC/12V 10/1FB	Yes
470146	7.8MR16/PER/930/S10/Dim/EC/12V 10/1FB	Yes
470153	7.8MR16/PER/940/S10/Dim/EC/12V 10/1FB	Yes
470161	7.8MR16/PER/927/F25/Dim/EC/12V 10/1FB	Yes

Order Code	Full Product Name	Dimmable
470179	7.8MR16/PER/930/F25/Dim/EC/12V 10/1FB	Yes
470187	7.8MR16/PER/940/F25/Dim/EC/12V 10/1FB	Yes
470195	7.8MR16/PER/927/F35/Dim/EC/12V 10/1FB	Yes
470203	7.8MR16/PER/930/F35/Dim/EC/12V 10/1FB	Yes
470211	7.8MR16/PER/940/F35/Dim/EC/12V 10/1FB	Yes
470161	7MR16 ExpertColor F25 927 D 10/1	Yes
470187	7MR16 ExpertColor F25 940 D 10/1	Yes
470195	7MR16 ExpertColor F35 927 D 10/1	Yes
470203	7MR16 ExpertColor F35 930 D 10/1	Yes
470211	7MR16 ExpertColor F35 940 D 10/1	Yes
470237	7MR16 ExpertColor Retail F25 930 10/1	No
470245	7MR16 ExpertColor Retail F35 930 10/1	No
533117	7.3MR16/LED/827/F25/DIM 12V 10/1FB	Yes
533125	7.3MR16/LED/830/F25/DIM 12V 10/1FB	Yes
533141	7.3MR16/LED/827/F35/DIM 12V 10/1FB	Yes
533158	7.3MR16/LED/830/F35/DIM 12V 10/1FB	Yes

Order Code	Full Product Name	Dimmable
533182	8.5MR16/LED/827/F35/DIM 12V 10/1FB	Yes
533190	8.5MR16/LED/830/F35/DIM 12V 10/1FB	Yes
533331	8.5MR16/LED/840/F35/DIM 12V 10/1FB	Yes

Order Code	Full Product Name	Dimmable
533513	8.5MR16/LED/827/F25/DIM 12V 10/1FB	Yes
533174	8.5MR16/LED/830/F25/DIM 12V 10/1FB	Yes
533521	8.5MR16/LED/840/F25/DIM 12V 10/1FB	Yes

Operating and Electrical

Order Code	Full Product Name	Input Frequency	Voltage (Nom)	Wattage Equivalent	Power (Rated) (Nom)	Starting Time (Nom)
454538	6.5MR16/F25/2700-2200 DIM 12V 10/1	50 to 60 Hz	12 V	35 W	6.5 W	0.5 s
454546	6.5MR16/F35/2700-2200 DIM 12V 10/1	50 to 60 Hz	12 V	35 W	6.5 W	0.5 s
470336	6.4MR16/F25/3000 DIM 12V 10/1	-	12 V	35 W	6.4 W	0.5 s
470344	6.4MR16/F35/3000 DIM 12V 10/1	-	12 V	35 W	6.4 W	0.6 s
461525	7MR16/LED/S15/827/DIM AF2 10/1	-	12 V	35 W	7 W	0.5 s
468140	4.5GU10/LED/F35/830/DIM 10/1	60 Hz	120 V	50 W	4.5 W	0.5 s
470153	7MR16 ExpertColor S10 940 D 10/1	-	12 V	30 W	7 W	0.5 s
470229	7MR16 ExpertColor Retail S10 930 10/1	-	12 V	30 W	7 W	0.5 s
479139	6.5MR16/LED/F25/927/D/EC/12V T20 10/1FB	-	ac electronic 12 V	42 W	6.5 W	0.5 s
479147	6.5MR16/LED/F25/930/D/EC/12V T20 10/1FB	-	ac electronic 12 V	42 W	6.5 W	0.5 s
479162	6.5MR16/LED/F35/927/D/EC/12V T20 10/1FB	-	ac electronic 12 V	42 W	6.5 W	0.5 s
479170	6.5MR16/LED/F35/930/D/EC/12V T20 10/1FB	-	ac electronic 12 V	42 W	6.5 W	0.5 s
470138	7.8MR16/PER/927/S10/Dim/EC/12V 10/1FB	-	ac electronic 12 V	35 W	7.8 W	0.5 s
470146	7.8MR16/PER/930/S10/Dim/EC/12V 10/1FB	-	ac electronic 12 V	35 W	7.8 W	0.5 s
470153	7.8MR16/PER/940/S10/Dim/EC/12V 10/1FB	-	ac electronic 12 V	35 W	7.8 W	0.5 s
470161	7.8MR16/PER/927/F25/Dim/EC/12V 10/1FB	-	ac electronic 12 V	50 W	7.8 W	0.5 s
470179	7.8MR16/PER/930/F25/Dim/EC/12V 10/1FB	-	ac electronic 12 V	50 W	7.8 W	0.5 s
470187	7.8MR16/PER/940/F25/Dim/EC/12V 10/1FB	-	ac electronic 12 V	50 W	7.8 W	0.5 s
470195	7.8MR16/PER/927/F35/Dim/EC/12V 10/1FB	-	ac electronic 12 V	50 W	7.8 W	0.5 s
470203	7.8MR16/PER/930/F35/Dim/EC/12V 10/1FB	-	ac electronic 12 V	50 W	7.8 W	0.5 s
470211	7.8MR16/PER/940/F35/Dim/EC/12V 10/1FB	-	ac electronic 12 V	50 W	7.8 W	0.5 s
470161	7MR16 ExpertColor F25 927 D 10/1	-	12 V	42 W	7 W	0.5 s
470187	7MR16 ExpertColor F25 940 D 10/1	-	12 V	42 W	7 W	0.5 s
470195	7MR16 ExpertColor F35 927 D 10/1	-	12 V	42 W	7 W	0.5 s
470203	7MR16 ExpertColor F35 930 D 10/1	-	12 V	42 W	7 W	0.5 s
470211	7MR16 ExpertColor F35 940 D 10/1	-	12 V	42 W	7 W	0.5 s
470237	7MR16 ExpertColor Retail F25 930 10/1	-	12 V	42 W	7 W	0.5 s
470245	7MR16 ExpertColor Retail F35 930 10/1	-	12 V	42 W	7 W	0.5 s
533117	7.3MR16/LED/827/F25/DIM 12V 10/1FB	-	ac electronic 12 V	50 W	7.3 W	0.5 s
533125	7.3MR16/LED/830/F25/DIM 12V 10/1FB	-	ac electronic 12 V	50 W	7.3 W	0.5 s
533141	7.3MR16/LED/827/F35/DIM 12V 10/1FB	-	ac electronic 12 V	50 W	7.3 W	0.5 s
533158	7.3MR16/LED/830/F35/DIM 12V 10/1FB	-	ac electronic 12 V	50 W	7.3 W	0.5 s
533182	8.5MR16/LED/827/F35/DIM 12V 10/1FB	-	ac electronic 12 V	75 W	8.5 W	0.5 s
533190	8.5MR16/LED/830/F35/DIM 12V 10/1FB	-	ac electronic 12 V	75 W	8.5 W	0.5 s
533331	8.5MR16/LED/840/F35/DIM 12V 10/1FB	-	ac electronic 12 V	75 W	8.5 W	0.5 s
533513	8.5MR16/LED/827/F25/DIM 12V 10/1FB	-	ac electronic 12 V	75 W	8.5 W	0.5 s
533174	8.5MR16/LED/830/F25/DIM 12V 10/1FB	-	ac electronic 12 V	75 W	8.5 W	0.5 s
533521	8.5MR16/LED/840/F25/DIM 12V 10/1FB	-	ac electronic 12 V	75 W	8.5 W	0.5 s

General Information

MR16/GU10/PAR16 LED

Order Code	Full Product Name	Cap-Base	Nominal Lifetime (Nom)	Rated Lifetime (Hours)
454538	6.5MR16/F25/2700-2200 DIM 12V 10/1	GU5.3	25000 h	25000 h
454546	6.5MR16/F35/2700-2200 DIM 12V 10/1	GU5.3	25000 h	25000 h
470336	6.4MR16/F25/3000 DIM 12V 10/1	GU5.3	25000 h	25000 h
470344	6.4MR16/F35/3000 DIM 12V 10/1	GU5.3	25000 h	25000 h
461525	7MR16/LED/S15/827/DIM AF2 10/1	GU5.3	40000 h	40000 h
468140	4.5GU10/LED/F35/830/DIM 10/1	GU10	25000 h	25000 h
470153	7MR16 ExpertColor S10 940 D 10/1	GU5.3	40000 h	40000 h
470229	7MR16 ExpertColor Retail S10 930 10/1	GU5.3	40000 h	40000 h
479139	6.5MR16/LED/F25/927/D/EC/12V T20 10/1FB	GU5.3	25000 h	25000 h
479147	6.5MR16/LED/F25/930/D/EC/12V T20 10/1FB	GU5.3	25000 h	25000 h
479162	6.5MR16/LED/F35/927/D/EC/12V T20 10/1FB	GU5.3	25000 h	25000 h
479170	6.5MR16/LED/F35/930/D/EC/12V T20 10/1FB	GU5.3	25000 h	25000 h
470138	7.8MR16/PER/927/S10/Dim/EC/12V 10/1FB	GU5.3	25000 h	25000 h
470146	7.8MR16/PER/930/S10/Dim/EC/12V 10/1FB	GU5.3	25000 h	25000 h
470153	7.8MR16/PER/940/S10/Dim/EC/12V 10/1FB	GU5.3	25000 h	25000 h
470161	7.8MR16/PER/927/F25/Dim/EC/12V 10/1FB	GU5.3	25000 h	25000 h
470179	7.8MR16/PER/930/F25/Dim/EC/12V 10/1FB	GU5.3	25000 h	25000 h
470187	7.8MR16/PER/940/F25/Dim/EC/12V 10/1FB	GU5.3	25000 h	25000 h
470195	7.8MR16/PER/927/F35/Dim/EC/12V 10/1FB	GU5.3	25000 h	25000 h

Order Code	Full Product Name	Cap-Base	Nominal Lifetime (Nom)	Rated Lifetime (Hours)
470203	7.8MR16/PER/930/F35/Dim/EC/12V 10/1FB	GU5.3	25000 h	25000 h
470211	7.8MR16/PER/940/F35/Dim/EC/12V 10/1FB	GU5.3	25000 h	25000 h
470161	7MR16 ExpertColor F25 927 D 10/1	GU5.3	40000 h	40000 h
470187	7MR16 ExpertColor F25 940 D 10/1	GU5.3	40000 h	40000 h
470195	7MR16 ExpertColor F35 927 D 10/1	GU5.3	40000 h	40000 h
470203	7MR16 ExpertColor F35 930 D 10/1	GU5.3	40000 h	40000 h
470211	7MR16 ExpertColor F35 940 D 10/1	GU5.3	40000 h	40000 h
470237	7MR16 ExpertColor Retail F25 930 10/1	GU5.3	40000 h	40000 h
470245	7MR16 ExpertColor Retail F35 930 10/1	GU5.3	40000 h	40000 h
533117	7.3MR16/LED/827/F25/DIM 12V 10/1FB	GU5.3	25000 h	25000 h
533125	7.3MR16/LED/830/F25/DIM 12V 10/1FB	GU5.3	25000 h	25000 h
533141	7.3MR16/LED/827/F35/DIM 12V 10/1FB	GU5.3	25000 h	25000 h
533158	7.3MR16/LED/830/F35/DIM 12V 10/1FB	GU5.3	25000 h	25000 h
533182	8.5MR16/LED/827/F35/DIM 12V 10/1FB	GU5.3	25000 h	25000 h
533190	8.5MR16/LED/830/F35/DIM 12V 10/1FB	GU5.3	25000 h	25000 h
533331	8.5MR16/LED/840/F35/DIM 12V 10/1FB	GU5.3	25000 h	25000 h
533513	8.5MR16/LED/827/F25/DIM 12V 10/1FB	GU5.3	25000 h	25000 h
533174	8.5MR16/LED/830/F25/DIM 12V 10/1FB	GU5.3	25000 h	25000 h
533521	8.5MR16/LED/840/F25/DIM 12V 10/1FB	GU5.3	25000 h	25000 h

Light Technical (1/2)

Order Code	Full Product Name	Beam Angle (Nom)	Color Code	Correlated Color Temperature (Nom)	Color Rendering Index (Nom)	Light Distribution	Luminous Flux (Nom)	Luminous Flux (Rated) (Nom)
454538	6.5MR16/F25/2700-2200 DIM 12V 10/1	25 °	822-827	2200-2700 K	80	25D	410 lm	410 lm
454546	6.5MR16/F35/2700-2200 DIM 12V 10/1	35 °	822-827	2200-2700 K	80	Medium beam 35°	410 lm	410 lm
470336	6.4MR16/F25/3000 DIM 12V 10/1	25 °	830	3000 K	80	24D	450 lm	450 lm
470344	6.4MR16/F35/3000 DIM 12V 10/1	35 °	830	3000 K	80	36D	450 lm	450 lm
461525	7MR16/LED/S15/827/DIM AF2 10/1	15 °	827	2700 K	80	15D	500 lm	-
468140	4.5GU10/LED/F35/830/DIM 10/1	35 °	830	3000 K	80	-	400 lm	400 lm
470153	7MR16 ExpertColor S10 940 D 10/1	10 °	940	4000 K	95	-	460 lm	460 lm
470229	7MR16 ExpertColor Retail S10 930 10/1	10 °	930	3000 K	90	-	430 lm	430 lm
479139	6.5MR16/LED/F25/927/D/EC/12V T20 10/1FB	25 °	927	2700 K	91	-	485 lm	485 lm
479147	6.5MR16/LED/F25/930/D/EC/12V T20 10/1FB	25 °	930	3000 K	91	-	485 lm	485 lm
479162	6.5MR16/LED/F35/927/D/EC/12V T20 10/1FB	35 °	927	2700 K	91	-	485 lm	485 lm

Order Code	Full Product Name	Beam Angle (Nom)	Color Code	Correlated Color Temperature (Nom)	Color Rendering Index (Nom)	Light Distribution	Luminous Flux (Nom)	Luminous Flux (Rated) (Nom)
479170	6.5MR16/LED/F35/930/D/EC/12V T20 10/1FB	35 °	930	3000 K	91	-	485 lm	485 lm
470138	7.8MR16/PER/927/S10/Dim/EC/12V 10/1FB	10 °	927	2700 K	95	-	480 lm	480 lm
470146	7.8MR16/PER/930/S10/Dim/EC/12V 10/1FB	10 °	930	3000 K	95	-	480 lm	480 lm
470153	7.8MR16/PER/940/S10/Dim/EC/12V 10/1FB	10 °	940	4000 K	95	-	540 lm	540 lm
470161	7.8MR16/PER/927/F25/Dim/EC/12V 10/1FB	25 °	927	2700 K	95	-	480 lm	480 lm
470179	7.8MR16/PER/930/F25/Dim/EC/12V 10/1FB	25 °	930	3000 K	95	-	480 lm	480 lm
470187	7.8MR16/PER/940/F25/Dim/EC/12V 10/1FB	25 °	940	4000 K	95	-	540 lm	540 lm
470195	7.8MR16/PER/927/F35/Dim/EC/12V 10/1FB	35 °	927	2700 K	95	-	480 lm	480 lm
470203	7.8MR16/PER/930/F35/Dim/EC/12V 10/1FB	35 °	930	3000 K	95	-	480 lm	480 lm
470211	7.8MR16/PER/940/F35/Dim/EC/12V 10/1FB	35 °	940	4000 K	95	-	540 lm	540 lm
470161	7MR16 ExpertColor F25 927 D 10/1	25 °	927	2700 K	95	-	430 lm	430 lm
470187	7MR16 ExpertColor F25 940 D 10/1	25 °	940	4000 K	95	-	460 lm	460 lm
470195	7MR16 ExpertColor F35 927 D 10/1	35 °	927	2700 K	95	-	430 lm	430 lm
470203	7MR16 ExpertColor F35 930 D 10/1	35 °	930	3000 K	95	-	460 lm	460 lm
470211	7MR16 ExpertColor F35 940 D 10/1	35 °	940	4000 K	95	-	460 lm	460 lm
470237	7MR16 ExpertColor Retail F25 930 10/1	25 °	930	3000 K	90	-	430 lm	430 lm
470245	7MR16 ExpertColor Retail F35 930 10/1	35 °	930	3000 K	90	-	430 lm	430 lm
533117	7.3MR16/LED/827/F25/DIM 12V 10/1FB	25 °	827	2700 K	80	-	515 lm	515 lm
533125	7.3MR16/LED/830/F25/DIM 12V 10/1FB	25 °	830	3000 K	80	-	515 lm	515 lm
533141	7.3MR16/LED/827/F35/DIM 12V 10/1FB	35 °	827	2700 K	80	-	515 lm	515 lm
533158	7.3MR16/LED/830/F35/DIM 12V 10/1FB	35 °	830	3000 K	80	-	515 lm	515 lm
533182	8.5MR16/LED/827/F35/DIM 12V 10/1FB	35 °	827	2700 K	80	-	600 lm	600 lm
533190	8.5MR16/LED/830/F35/DIM 12V 10/1FB	35 °	830	3000 K	80	-	620 lm	620 lm
533331	8.5MR16/LED/840/F35/DIM 12V 10/1FB	35 °	841	4000 K	80	-	660 lm	660 lm
533513	8.5MR16/LED/827/F25/DIM 12V 10/1FB	25 °	827	2700 K	80	-	600 lm	600 lm
533174	8.5MR16/LED/830/F25/DIM 12V 10/1FB	25 °	830	3000 K	80	-	620 lm	620 lm
533521	8.5MR16/LED/840/F25/DIM 12V 10/1FB	25 °	841	4000 K	80	-	660 lm	660 lm

Light Technical (2/2)

Order Code	Full Product Name	Luminous Intensity (Nom)	Rated Beam Angle
454538	6.5MR16/F25/2700-2200 DIM 12V 10/1	1800 cd	25 °
454546	6.5MR16/F35/2700-2200 DIM 12V 10/1	900 cd	35 °
470336	6.4MR16/F25/3000 DIM 12V 10/1	1800 cd	25 °
470344	6.4MR16/F35/3000 DIM 12V 10/1	1000 cd	35 °
461525	7MR16/LED/S15/827/DIM AF2 10/1	2800 cd	15 °
468140	4.5GU10/LED/F35/830/DIM 10/1	750 cd	35 °
470153	7MR16 ExpertColor S10 940 D 10/1	5000 cd	10 °
470229	7MR16 ExpertColor Retail S10 930 10/1	4600 cd	10 °
479139	6.5MR16/LED/F25/927/D/EC/12V T20 10/1FB	1960 cd	25 °
479147	6.5MR16/LED/F25/930/D/EC/12V T20 10/1FB	1960 cd	25 °
479162	6.5MR16/LED/F35/927/D/EC/12V T20 10/1FB	1110 cd	35 °
479170	6.5MR16/LED/F35/930/D/EC/12V T20 10/1FB	1110 cd	35 °
470138	7.8MR16/PER/927/S10/Dim/EC/12V 10/1FB	5300 cd	10 °
470146	7.8MR16/PER/930/S10/Dim/EC/12V 10/1FB	5300 cd	10 °

Order Code	Full Product Name	Luminous Intensity (Nom)	Rated Beam Angle
470153	7.8MR16/PER/940/S10/Dim/EC/12V 10/1FB	5900 cd	10 °
470161	7.8MR16/PER/927/F25/Dim/EC/12V 10/1FB	2330 cd	25 °
470179	7.8MR16/PER/930/F25/Dim/EC/12V 10/1FB	2330 cd	25 °
470187	7.8MR16/PER/940/F25/Dim/EC/12V 10/1FB	2600 cd	25 °
470195	7.8MR16/PER/927/F35/Dim/EC/12V 10/1FB	1320 cd	35 °
470203	7.8MR16/PER/930/F35/Dim/EC/12V 10/1FB	1320 cd	35 °
470211	7.8MR16/PER/940/F35/Dim/EC/12V 10/1FB	1450 cd	35 °
470161	7MR16 ExpertColor F25 927 D 10/1	2200 cd	25 °
470187	7MR16 ExpertColor F25 940 D 10/1	2350 cd	25 °
470195	7MR16 ExpertColor F35 927 D 10/1	1300 cd	35 °
470203	7MR16 ExpertColor F35 930 D 10/1	1400 cd	35 °
470211	7MR16 ExpertColor F35 940 D 10/1	1400 cd	35 °
470237	7MR16 ExpertColor Retail F25 930 10/1	2200 cd	25 °
470245	7MR16 ExpertColor Retail F35 930 10/1	1300 cd	35 °
533117	7.3MR16/LED/827/F25/DIM 12V 10/1FB	2400 cd	25 °
533125	7.3MR16/LED/830/F25/DIM 12V 10/1FB	2500 cd	25 °
533141	7.3MR16/LED/827/F35/DIM 12V 10/1FB	1350 cd	35 °
533158	7.3MR16/LED/830/F35/DIM 12V 10/1FB	1350 cd	35 °

Order Code	Full Product Name	Luminous Intensity (Nom)	Rated Beam Angle
533182	8.5MR16/LED/827/F35/DIM 12V 10/1FB	1700 cd	35 °
533190	8.5MR16/LED/830/F35/DIM 12V 10/1FB	1700 cd	35 °
533331	8.5MR16/LED/840/F35/DIM 12V 10/1FB	1800 cd	35 °

Order Code	Full Product Name	Luminous Intensity (Nom)	Rated Beam Angle
533513	8.5MR16/LED/827/F25/DIM 12V 10/1FB	3100 cd	25 °
533174	8.5MR16/LED/830/F25/DIM 12V 10/1FB	3250 cd	25 °
533521	8.5MR16/LED/840/F25/DIM 12V 10/1FB	3350 cd	25 °

Mechanical and Housing

Order Code	Full Product Name	Bulb Shape
454538	6.5MR16/F25/2700-2200 DIM 12V 10/1	MR16
454546	6.5MR16/F35/2700-2200 DIM 12V 10/1	MR16
470336	6.4MR16/F25/3000 DIM 12V 10/1	MR16
470344	6.4MR16/F35/3000 DIM 12V 10/1	MR16
461525	7MR16/LED/S15/827/DIM AF2 10/1	MR16
468140	4.5GU10/LED/F35/830/DIM 10/1	PAR16
470153	7MR16 ExpertColor S10 940 D 10/1	MR16
470229	7MR16 ExpertColor Retail S10 930 10/1	MR16
479139	6.5MR16/LED/F25/927/D/EC/12V T20 10/1FB	MR16
479147	6.5MR16/LED/F25/930/D/EC/12V T20 10/1FB	MR16
479162	6.5MR16/LED/F35/927/D/EC/12V T20 10/1FB	MR16
479170	6.5MR16/LED/F35/930/D/EC/12V T20 10/1FB	MR16
470138	7.8MR16/PER/927/S10/Dim/EC/12V 10/1FB	MR16
470146	7.8MR16/PER/930/S10/Dim/EC/12V 10/1FB	MR16
470153	7.8MR16/PER/940/S10/Dim/EC/12V 10/1FB	MR16
470161	7.8MR16/PER/927/F25/Dim/EC/12V 10/1FB	MR16
470179	7.8MR16/PER/930/F25/Dim/EC/12V 10/1FB	MR16
470187	7.8MR16/PER/940/F25/Dim/EC/12V 10/1FB	MR16
470195	7.8MR16/PER/927/F35/Dim/EC/12V 10/1FB	MR16

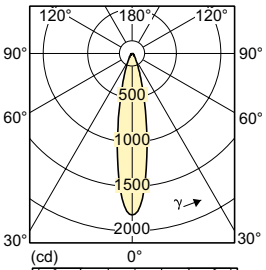
Order Code	Full Product Name	Bulb Shape
470203	7.8MR16/PER/930/F35/Dim/EC/12V 10/1FB	MR16
470211	7.8MR16/PER/940/F35/Dim/EC/12V 10/1FB	MR16
470161	7MR16 ExpertColor F25 927 D 10/1	MR16
470187	7MR16 ExpertColor F25 940 D 10/1	MR16
470195	7MR16 ExpertColor F35 927 D 10/1	MR16
470203	7MR16 ExpertColor F35 930 D 10/1	MR16
470211	7MR16 ExpertColor F35 940 D 10/1	MR16
470237	7MR16 ExpertColor Retail F25 930 10/1	MR16
470245	7MR16 ExpertColor Retail F35 930 10/1	MR16
533117	7.3MR16/LED/827/F25/DIM 12V 10/1FB	MR16
533125	7.3MR16/LED/830/F25/DIM 12V 10/1FB	MR16
533141	7.3MR16/LED/827/F35/DIM 12V 10/1FB	MR16
533158	7.3MR16/LED/830/F35/DIM 12V 10/1FB	MR16
533182	8.5MR16/LED/827/F35/DIM 12V 10/1FB	MR16
533190	8.5MR16/LED/830/F35/DIM 12V 10/1FB	MR16
533331	8.5MR16/LED/840/F35/DIM 12V 10/1FB	MR16
533513	8.5MR16/LED/827/F25/DIM 12V 10/1FB	MR16
533174	8.5MR16/LED/830/F25/DIM 12V 10/1FB	MR16
533521	8.5MR16/LED/840/F25/DIM 12V 10/1FB	MR16

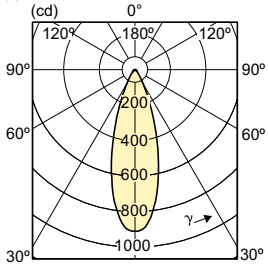
Temperature

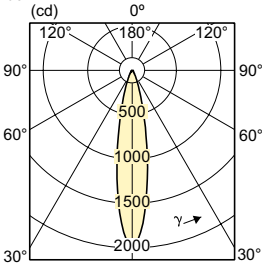
Order Code	Full Product Name	T-Case Maximum (Nom)
454538	6.5MR16/F25/2700-2200 DIM 12V 10/1	-
454546	6.5MR16/F35/2700-2200 DIM 12V 10/1	-
470336	6.4MR16/F25/3000 DIM 12V 10/1	100 °C
470344	6.4MR16/F35/3000 DIM 12V 10/1	100 °C
461525	7MR16/LED/S15/827/DIM AF2 10/1	92 °C
468140	4.5GU10/LED/F35/830/DIM 10/1	80 °C
470153	7MR16 ExpertColor S10 940 D 10/1	92 °C
470229	7MR16 ExpertColor Retail S10 930 10/1	90 °C
479139	6.5MR16/LED/F25/927/D/EC/12V T20 10/1FB	92 °C
479147	6.5MR16/LED/F25/930/D/EC/12V T20 10/1FB	92 °C
479162	6.5MR16/LED/F35/927/D/EC/12V T20 10/1FB	92 °C
479170	6.5MR16/LED/F35/930/D/EC/12V T20 10/1FB	92 °C
470138	7.8MR16/PER/927/S10/Dim/EC/12V 10/1FB	105 °C
470146	7.8MR16/PER/930/S10/Dim/EC/12V 10/1FB	105 °C
470153	7.8MR16/PER/940/S10/Dim/EC/12V 10/1FB	105 °C
470161	7.8MR16/PER/927/F25/Dim/EC/12V 10/1FB	105 °C
470179	7.8MR16/PER/930/F25/Dim/EC/12V 10/1FB	105 °C
470187	7.8MR16/PER/940/F25/Dim/EC/12V 10/1FB	105 °C
470195	7.8MR16/PER/927/F35/Dim/EC/12V 10/1FB	105 °C
470203	7.8MR16/PER/930/F35/Dim/EC/12V 10/1FB	105 °C

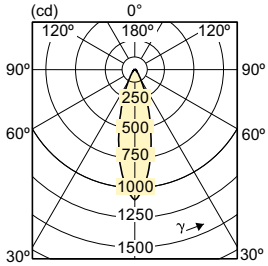
Order Code	Full Product Name	T-Case Maximum (Nom)
470211	7.8MR16/PER/940/F35/Dim/EC/12V 10/1FB	105 °C
470161	7MR16 ExpertColor F25 927 D 10/1	92 °C
470187	7MR16 ExpertColor F25 940 D 10/1	92 °C
470195	7MR16 ExpertColor F35 927 D 10/1	92 °C
470203	7MR16 ExpertColor F35 930 D 10/1	92 °C
470211	7MR16 ExpertColor F35 940 D 10/1	92 °C
470237	7MR16 ExpertColor Retail F25 930 10/1	90 °C
470245	7MR16 ExpertColor Retail F35 930 10/1	90 °C
533117	7.3MR16/LED/827/F25/DIM 12V 10/1FB	90 °C
533125	7.3MR16/LED/830/F25/DIM 12V 10/1FB	90 °C
533141	7.3MR16/LED/827/F35/DIM 12V 10/1FB	90 °C
533158	7.3MR16/LED/830/F35/DIM 12V 10/1FB	90 °C
533182	8.5MR16/LED/827/F35/DIM 12V 10/1FB	100 °C
533190	8.5MR16/LED/830/F35/DIM 12V 10/1FB	100 °C
533331	8.5MR16/LED/840/F35/DIM 12V 10/1FB	100 °C
533513	8.5MR16/LED/827/F25/DIM 12V 10/1FB	100 °C
533174	8.5MR16/LED/830/F25/DIM 12V 10/1FB	100 °C
533521	8.5MR16/LED/840/F25/DIM 12V 10/1FB	100 °C

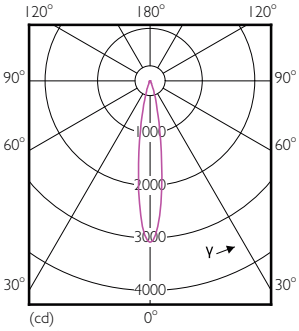
MR16/GU10/PAR16 LED

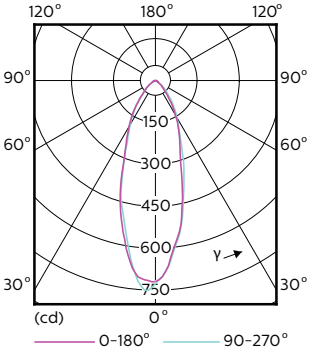


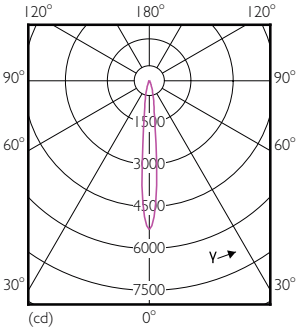


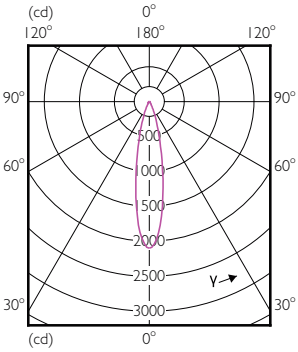


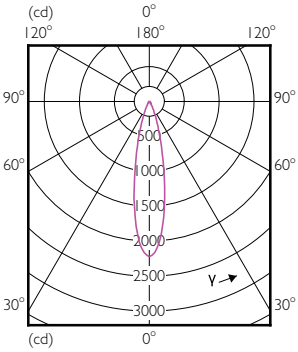


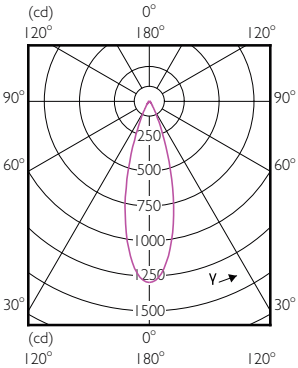


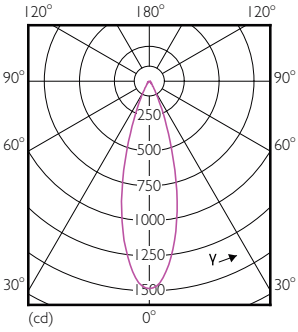




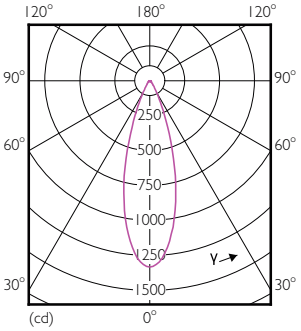


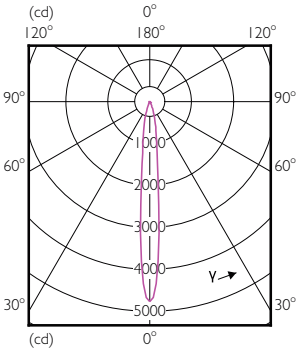


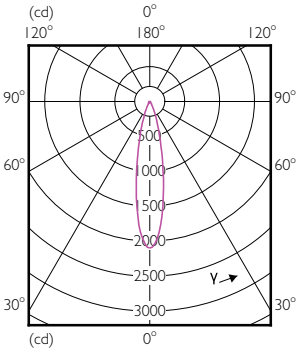


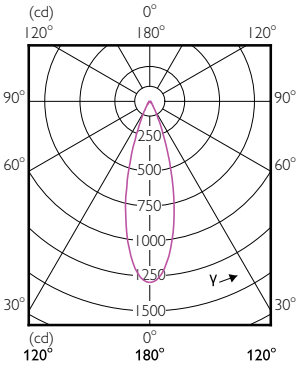


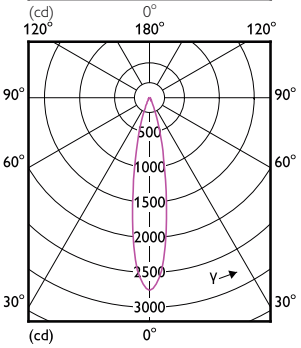
MR16/GU10/PAR16 LED

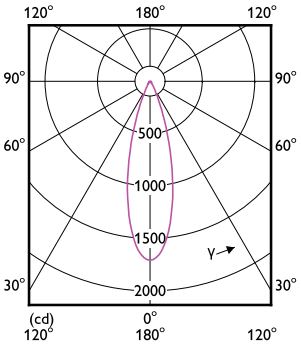


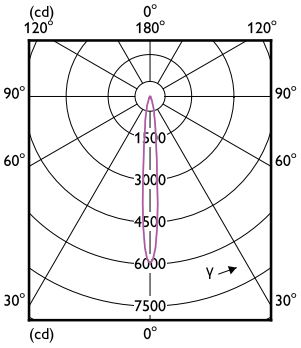


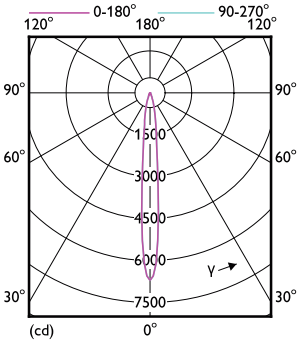


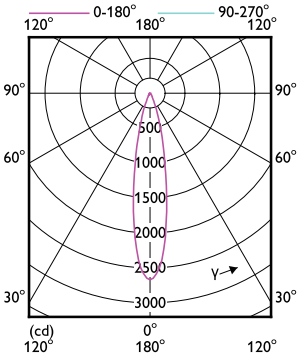


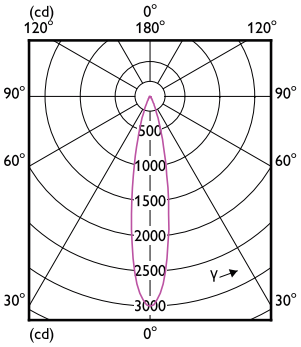


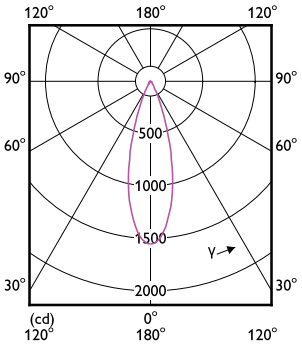


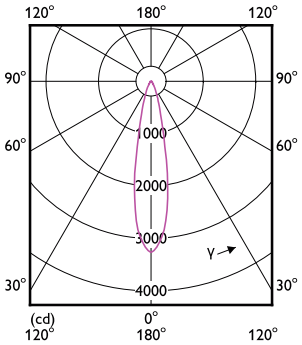


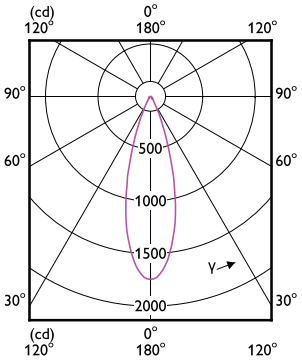


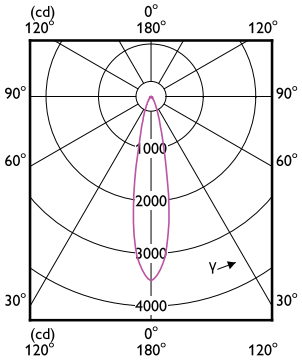


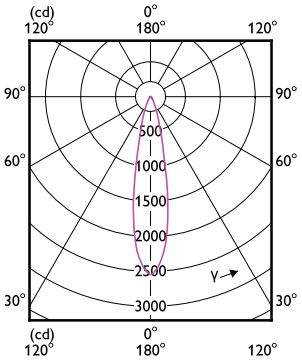


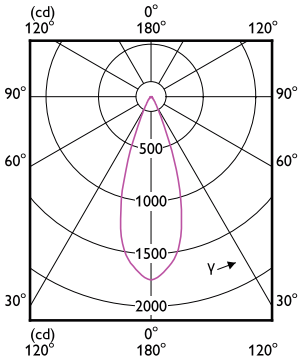


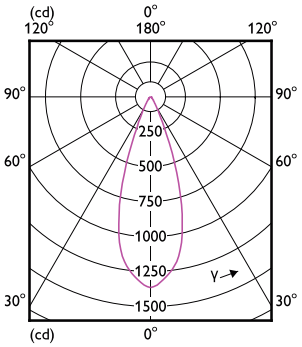


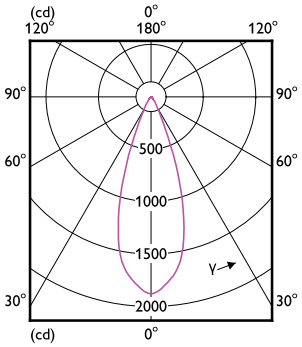




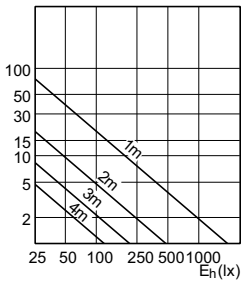


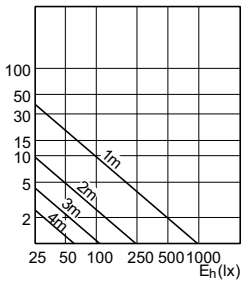


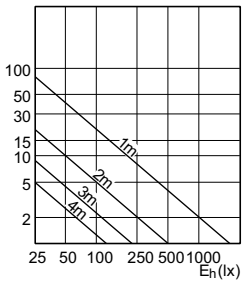




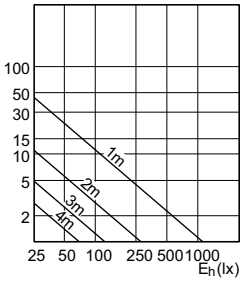
Accent Diagrams

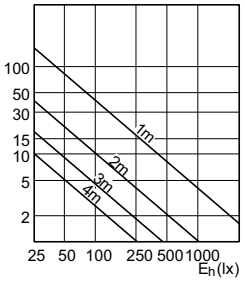




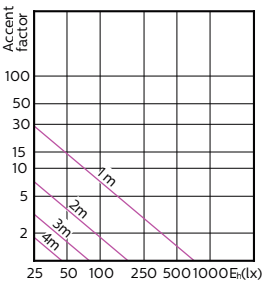


Accent Diagrams

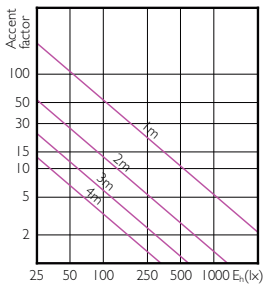




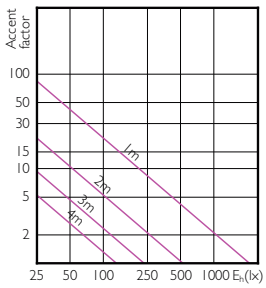
LEDspot 7-35W MR16 GU5.3 2700K 500lm 15D



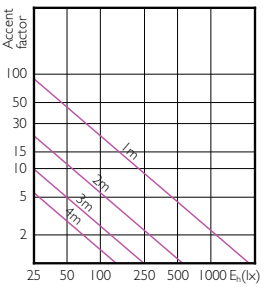
LEDspot 50W GU10 830 35D



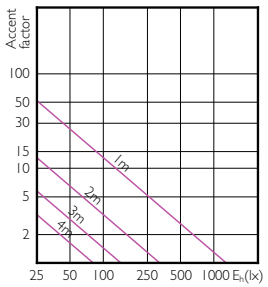
LEDSpots MR16 7W 940 460lm 10D



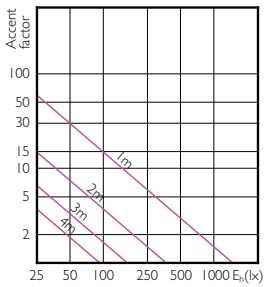
LEDSpots MR16 7W 927 430lm 25D



LEDSpots MR16 7W 940 460lm 25D



LEDSpots MR16 7W 927 430lm 35D



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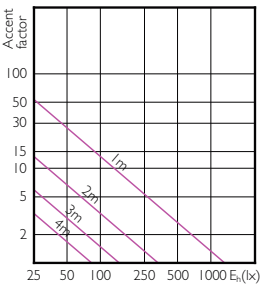
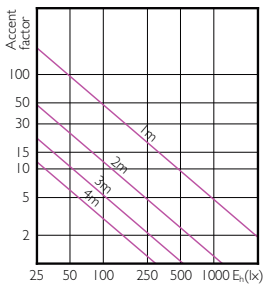
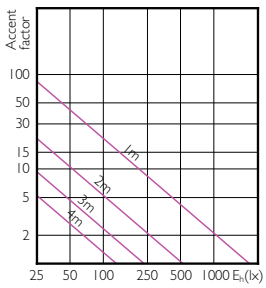


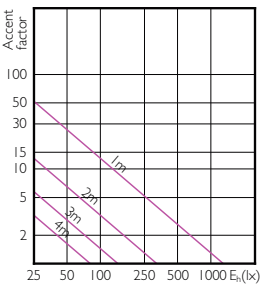
LEDSpots MR16 7W 940 460lm 35D



LEDSpots MR16 7W 930 430lm 10D

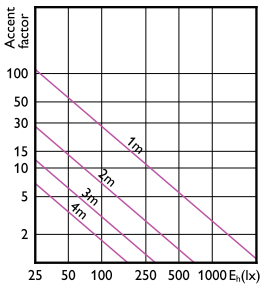


LEDSpots MR16 7W 930 430lm 25D

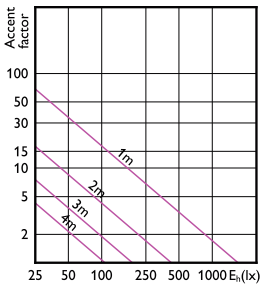


LEDSpots MR16 7W 930 430lm 35D

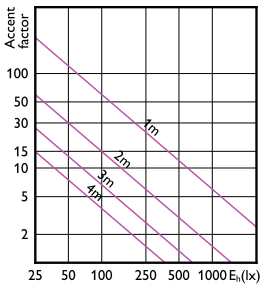
Accent Diagrams



LEDspot 6.5W GU5.3 MR16 927 25D DIM



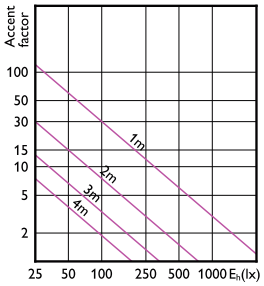
LEDspot 6.5W GU5.3 MR16 927 35D DIM



LEDspot 7.8W GU5.3 MR16 927 10D DIM

LEDspot 7.8W GU5.3 MR16 940 10D DIM

LEDspot 7.8W GU5.3 MR16 927 25D DIM



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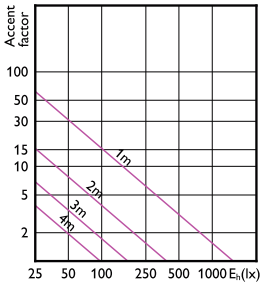

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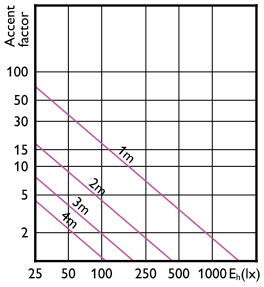
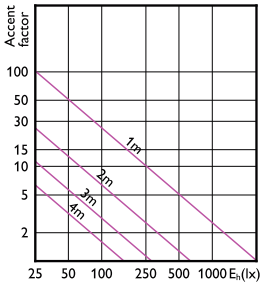
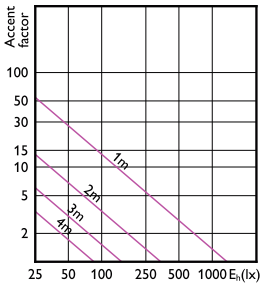


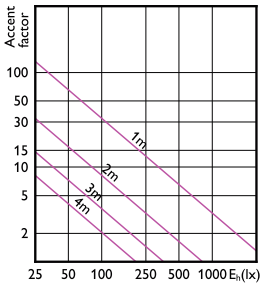
LEDspot 7.8W GU5.3 MR16 940 35D DIM



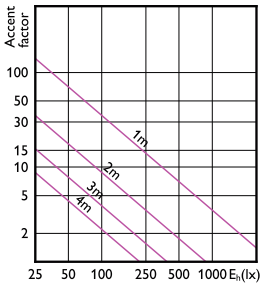
LEDspot 7.3W GU5.3 MR16 827 25D DIM



LEDspot 7.3W GU5.3 MR16 827 35D DIM

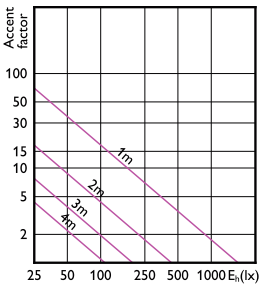


8-50W GU5-3 MR16 24D 827 2700K

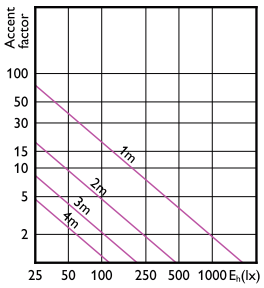


LEDspot MAS 8-50W GU5.3 MR16 840 24D DIM

Accent Diagrams

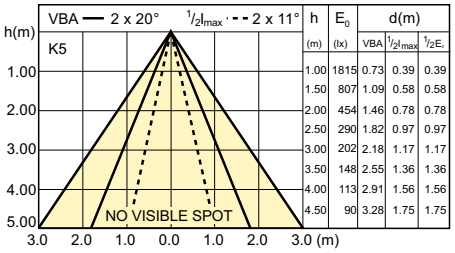


8-50W GU5-3 MR16 36D 827 2700K



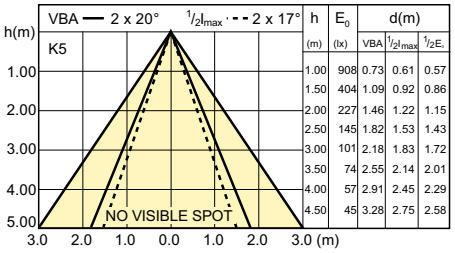
8-50W GU5-3 MR16 36D 840 4000K

Beam Diagrams



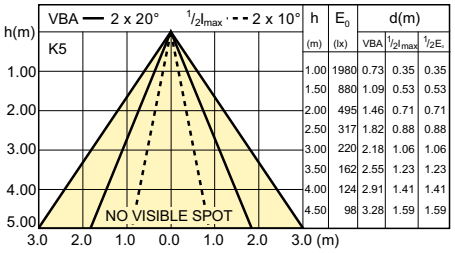
h (m)	E_0 (lx)	d(m) VBA	d(m) $^1/_2I_{max}$	d(m) $^1/_2E_0$
1.00	1815	0.73	0.39	0.39
1.50	807	1.09	0.58	0.58
2.00	454	1.46	0.78	0.78
2.50	290	1.82	0.97	0.97
3.00	202	2.18	1.17	1.17
3.50	148	2.55	1.36	1.36
4.00	113	2.91	1.56	1.56
4.50	90	3.28	1.75	1.75

SDBE_LEDspotL_0108-Beam diagram



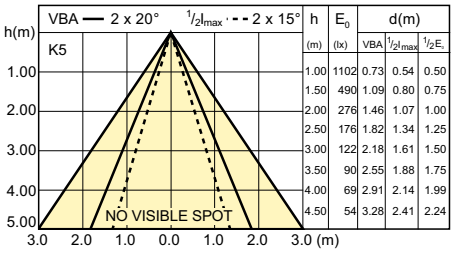
h (m)	E_0 (lx)	d(m) VBA	d(m) $^1/_2I_{max}$	d(m) $^1/_2E_0$
1.00	908	0.73	0.61	0.57
1.50	404	1.09	0.92	0.86
2.00	227	1.46	1.22	1.15
2.50	145	1.82	1.53	1.43
3.00	101	2.18	1.83	1.72
3.50	74	2.55	2.14	2.01
4.00	57	2.91	2.45	2.29
4.50	45	3.28	2.75	2.58

SDBE_LEDspotL_0109-Beam diagram



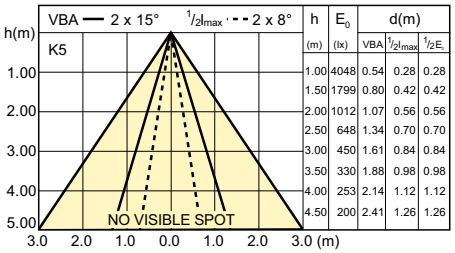
h (m)	E_0 (lx)	d(m) VBA	d(m) $^1/_2I_{max}$	d(m) $^1/_2E_0$
1.00	1980	0.73	0.35	0.35
1.50	880	1.09	0.53	0.53
2.00	495	1.46	0.71	0.71
2.50	317	1.82	0.88	0.88
3.00	220	2.18	1.06	1.06
3.50	162	2.55	1.23	1.23
4.00	124	2.91	1.41	1.41
4.50	98	3.28	1.59	1.59

SDBE_LEDspotL_0127-Beam diagram



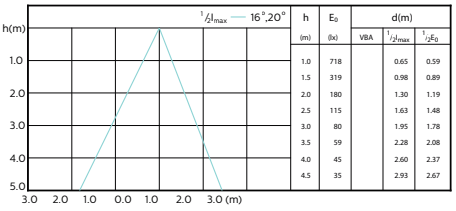
h (m)	E_0 (lx)	d(m) VBA	d(m) $^1/_2I_{max}$	d(m) $^1/_2E_0$
1.00	1102	0.73	0.54	0.50
1.50	490	1.09	0.80	0.75
2.00	276	1.46	1.07	1.00
2.50	176	1.82	1.34	1.25
3.00	122	2.18	1.61	1.50
3.50	90	2.55	1.88	1.75
4.00	69	2.91	2.14	1.99
4.50	54	3.28	2.41	2.24

SDBE_LEDspotL_0130-Beam diagram



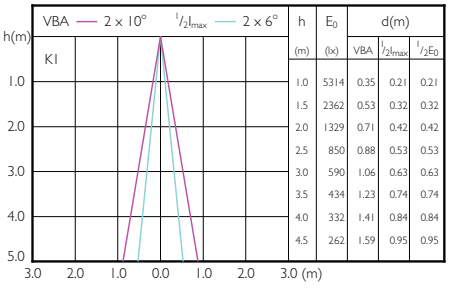
h (m)	E_0 (lx)	d(m) VBA	d(m) $^1/_2I_{max}$	d(m) $^1/_2E_0$
1.00	4048	0.54	0.28	0.28
1.50	1799	0.80	0.42	0.42
2.00	1012	1.07	0.56	0.56
2.50	648	1.34	0.70	0.70
3.00	450	1.61	0.84	0.84
3.50	330	1.88	0.98	0.98
4.00	253	2.14	1.12	1.12
4.50	200	2.41	1.26	1.26

LEDspot 7-35W MR16 GU5.3 2700K 500lm 15D



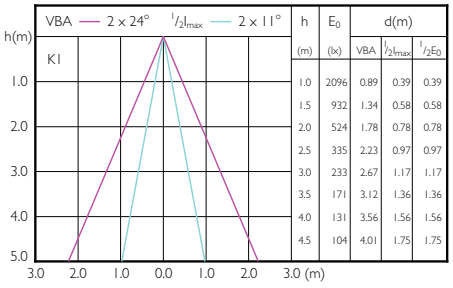
h (m)	E_0 (lx)	d(m) VBA	d(m) $^1/_2I_{max}$	d(m) $^1/_2E_0$
1.0	718		0.65	0.59
1.5	319		0.98	0.89
2.0	180		1.30	1.19
2.5	115		1.63	1.48
3.0	80		1.95	1.78
3.5	59		2.28	2.08
4.0	45		2.60	2.37
4.5	35		2.93	2.67

LEDspot 50W GU10 830 35D



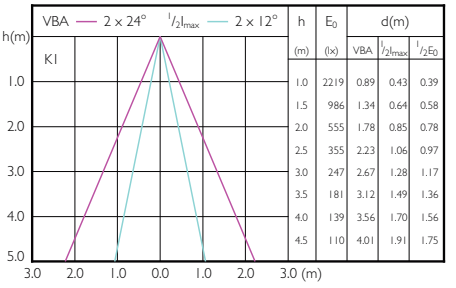
h (m)	E_0 (lx)	d(m) VBA	d(m) $^1/_2I_{max}$	d(m) $^1/_2E_0$
1.0	5314	0.35	0.21	0.21
1.5	2362	0.53	0.32	0.32
2.0	1329	0.71	0.42	0.42
2.5	850	0.88	0.53	0.53
3.0	590	1.06	0.63	0.63
3.5	434	1.23	0.74	0.74
4.0	332	1.41	0.84	0.84
4.5	262	1.59	0.95	0.95

LEDSpots MR16 7W 940 460lm 10D



h (m)	E_0 (lx)	d(m) VBA	d(m) $^1/_2I_{max}$	d(m) $^1/_2E_0$
1.0	2096	0.89	0.39	0.39
1.5	932	1.34	0.58	0.58
2.0	524	1.78	0.78	0.78
2.5	335	2.23	0.97	0.97
3.0	233	2.67	1.17	1.17
3.5	171	3.12	1.36	1.36
4.0	131	3.56	1.56	1.56
4.5	104	4.01	1.75	1.75

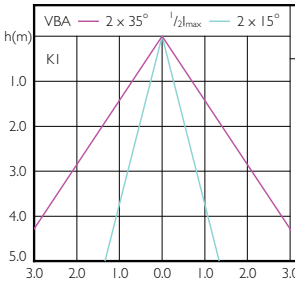
LEDSpots MR16 7W 927 430lm 25D



h (m)	E_0 (lx)	d(m) VBA	d(m) $^1/_2I_{max}$	d(m) $^1/_2E_0$
1.0	2219	0.89	0.43	0.39
1.5	986	1.34	0.64	0.58
2.0	555	1.78	0.85	0.78
2.5	355	2.23	1.06	0.97
3.0	247	2.67	1.28	1.17
3.5	181	3.12	1.49	1.36
4.0	139	3.56	1.70	1.56
4.5	110	4.01	1.91	1.75

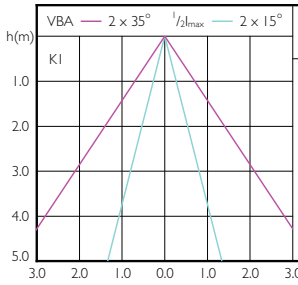
LEDSpots MR16 7W 940 460lm 25D

Beam Diagrams



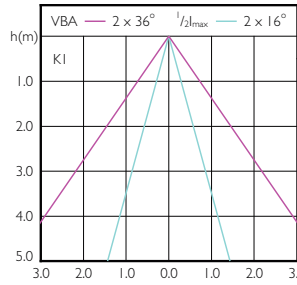
h (m)	E_0 (lx)	d(m) VBA	d(m) ½Imax	d(m) ½E0
1.0	1294	1.40	0.54	0.50
1.5	575	2.10	0.80	0.75
2.0	324	2.80	1.07	1.00
2.5	207	3.50	1.34	1.25
3.0	144	4.20	1.61	1.50
3.5	106	4.90	1.88	1.75
4.0	81	5.60	2.14	1.99
4.5	64	6.30	2.41	2.24

LEDSpots MR16 7W 927 430lm 35D



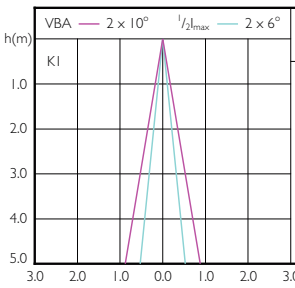
h (m)	E_0 (lx)	d(m) VBA	d(m) ½Imax	d(m) ½E0
1.0	1482	1.40	0.54	0.50
1.5	659	2.10	0.80	0.75
2.0	371	2.80	1.07	1.00
2.5	237	3.50	1.34	1.25
3.0	165	4.20	1.61	1.50
3.5	121	4.90	1.88	1.75
4.0	93	5.60	2.14	1.99
4.5	73	6.30	2.41	2.24

LEDSpots MR16 7W 930 460lm 35D



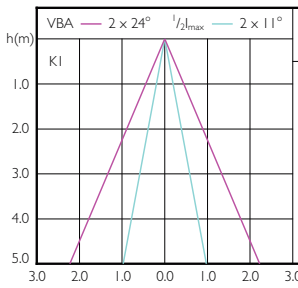
h (m)	E_0 (lx)	d(m) VBA	d(m) ½Imax	d(m) ½E0
1.0	1331	1.45	0.57	0.54
1.5	592	2.18	0.86	0.80
2.0	333	2.91	1.15	1.07
2.5	213	3.63	1.43	1.34
3.0	148	4.36	1.72	1.61
3.5	109	5.09	2.01	1.88
4.0	83	5.81	2.29	2.14
4.5	66	6.54	2.58	2.41

LEDSpots MR16 7W 940 460lm 35D



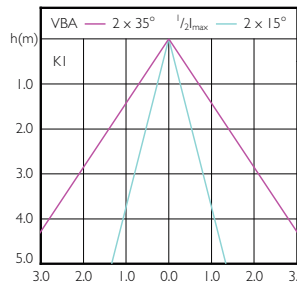
h (m)	E_0 (lx)	d(m) VBA	d(m) ½Imax	d(m) ½E0
1.0	4766	0.35	0.21	0.21
1.5	2118	0.53	0.32	0.32
2.0	1191	0.71	0.42	0.42
2.5	763	0.88	0.53	0.53
3.0	530	1.06	0.63	0.63
3.5	389	1.23	0.74	0.74
4.0	298	1.41	0.84	0.84
4.5	235	1.59	0.95	0.95

LEDSpots MR16 7W 930 430lm 10D



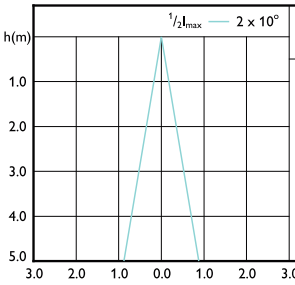
h (m)	E_0 (lx)	d(m) VBA	d(m) ½Imax	d(m) ½E0
1.0	2096	0.89	0.39	0.39
1.5	932	1.34	0.58	0.58
2.0	524	1.78	0.78	0.78
2.5	335	2.23	0.97	0.97
3.0	233	2.67	1.17	1.17
3.5	171	3.12	1.36	1.36
4.0	131	3.56	1.56	1.56
4.5	104	4.01	1.75	1.75

LEDSpots MR16 7W 930 430lm 25D



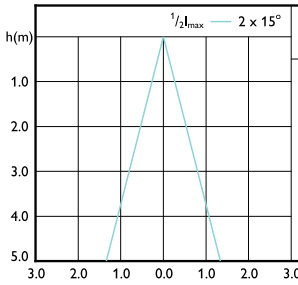
h (m)	E_0 (lx)	d(m) VBA	d(m) ½Imax	d(m) ½E0
1.0	1294	1.40	0.54	0.50
1.5	575	2.10	0.80	0.75
2.0	324	2.80	1.07	1.00
2.5	207	3.50	1.34	1.25
3.0	144	4.20	1.61	1.50
3.5	106	4.90	1.88	1.75
4.0	81	5.60	2.14	1.99
4.5	64	6.30	2.41	2.24

LEDSpots MR16 7W 930 430lm 35D



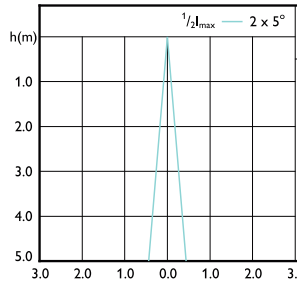
h (m)	E_0 (lx)	d(m) VBA	d(m) ½Imax	d(m) ½E0
1.0	2751		0.35	0.35
1.5	1223		0.53	0.53
2.0	688		0.71	0.71
2.5	440		0.88	0.88
3.0	306		1.06	1.06
3.5	225		1.23	1.23
4.0	172		1.41	1.41
4.5	136		1.59	1.59

LEDspot 6.5W GU5.3 MR16 927 25D DIM



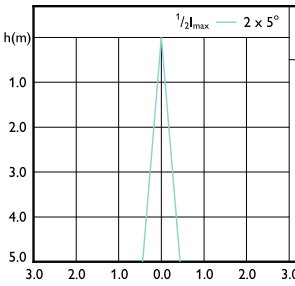
h (m)	E_0 (lx)	d(m) VBA	d(m) ½Imax	d(m) ½E0
1.0	1703		0.54	0.50
1.5	757		0.80	0.75
2.0	426		1.07	1.00
2.5	272		1.34	1.25
3.0	189		1.61	1.50
3.5	139		1.88	1.75
4.0	106		2.14	1.99
4.5	84		2.41	2.24

LEDspot 6.5W GU5.3 MR16 927 35D DIM



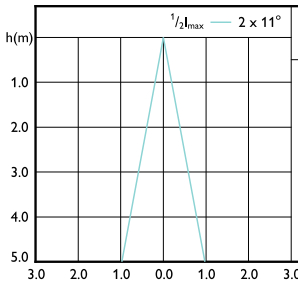
h (m)	E_0 (lx)	d(m) VBA	d(m) ½Imax	d(m) ½E0
1.0	5955		0.17	0.17
1.5	2646		0.26	0.26
2.0	1489		0.35	0.35
2.5	953		0.44	0.44
3.0	662		0.52	0.52
3.5	486		0.61	0.61
4.0	372		0.70	0.70
4.5	294		0.79	0.79

LEDspot 7.8W GU5.3 MR16 927 10D DIM



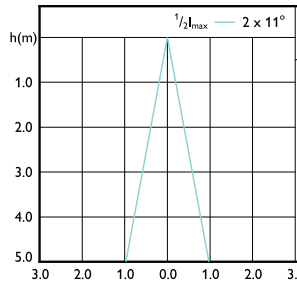
h (m)	E_0 (lx)	d(m) VBA	d(m) ½Imax	d(m) ½E0
1.0	6699		0.17	0.17
1.5	2977		0.26	0.26
2.0	1675		0.35	0.35
2.5	1072		0.44	0.44
3.0	744		0.52	0.52
3.5	547		0.61	0.61
4.0	419		0.70	0.70
4.5	331		0.79	0.79

LEDspot 7.8W GU5.3 MR16 940 10D DIM



h (m)	E_0 (lx)	d(m) VBA	d(m) ½Imax	d(m) ½E0
1.0	2666		0.39	0.35
1.5	1185		0.58	0.53
2.0	666		0.78	0.71
2.5	427		0.97	0.88
3.0	296		1.17	1.06
3.5	218		1.36	1.23
4.0	167		1.56	1.41
4.5	132		1.75	1.59

LEDspot 7.8W GU5.3 MR16 927 25D DIM

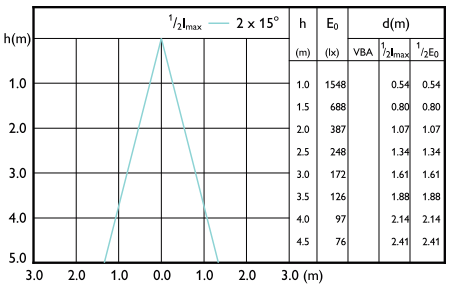


h (m)	E_0 (lx)	d(m) VBA	d(m) ½Imax	d(m) ½E0
1.0	2999		0.39	0.35
1.5	1333		0.58	0.53
2.0	750		0.78	0.71
2.5	480		0.97	0.88
3.0	333		1.17	1.06
3.5	245		1.36	1.23
4.0	187		1.56	1.41
4.5	148		1.75	1.59

LEDspot 7.8W GU5.3 MR16 940 25D DIM

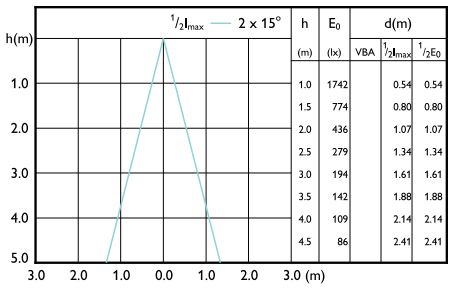
MR16/GU10/PAR16 LED

Beam Diagrams



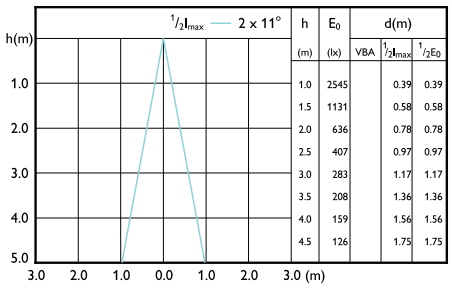
h (m)	E_0 (lx)	d(m) VBA	d(m) ½Imax	d(m) ½E0
1.0	1548		0.54	0.54
1.5	688		0.80	0.80
2.0	387		1.07	1.07
2.5	248		1.34	1.34
3.0	172		1.61	1.61
3.5	126		1.88	1.88
4.0	97		2.14	2.14
4.5	76		2.41	2.41

LEDspot 7.8W GU5.3 MR16 927 35D DIM



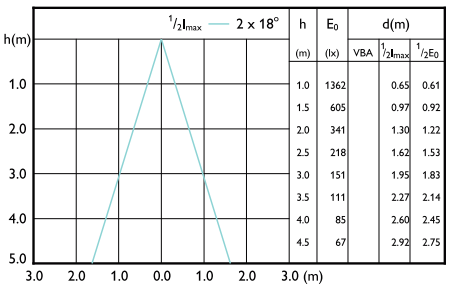
h (m)	E_0 (lx)	d(m) VBA	d(m) ½Imax	d(m) ½E0
1.0	1742		0.54	0.54
1.5	774		0.80	0.80
2.0	436		1.07	1.07
2.5	279		1.34	1.34
3.0	194		1.61	1.61
3.5	142		1.88	1.88
4.0	109		2.14	2.14
4.5	86		2.41	2.41

LEDspot 7.8W GU5.3 MR16 940 35D DIM



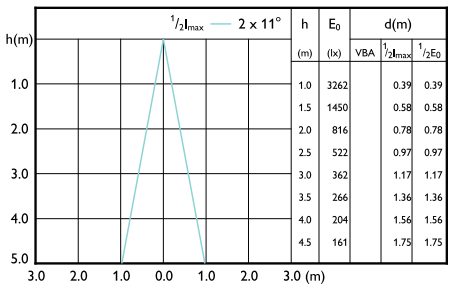
h (m)	E_0 (lx)	d(m) VBA	d(m) ½Imax	d(m) ½E0
1.0	2545		0.39	0.39
1.5	1131		0.58	0.58
2.0	636		0.78	0.78
2.5	407		0.97	0.97
3.0	283		1.17	1.17
3.5	208		1.36	1.36
4.0	159		1.56	1.56
4.5	126		1.75	1.75

LEDspot 7.3W GU5.3 MR16 827 25D DIM



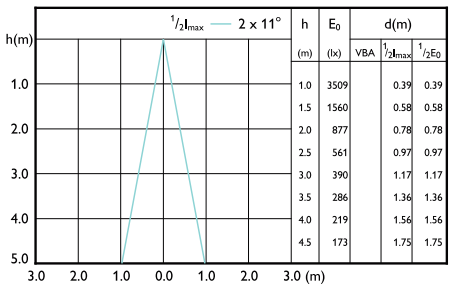
h (m)	E_0 (lx)	d(m) VBA	d(m) ½Imax	d(m) ½E0
1.0	1362		0.65	0.61
1.5	605		0.97	0.92
2.0	341		1.30	1.22
2.5	218		1.62	1.53
3.0	151		1.95	1.83
3.5	111		2.27	2.14
4.0	85		2.60	2.45
4.5	67		2.92	2.75

LEDspot 7.3W GU5.3 MR16 827 35D DIM



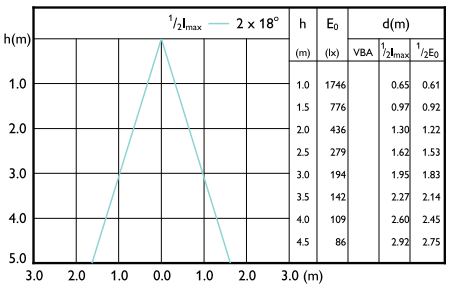
h (m)	E_0 (lx)	d(m) VBA	d(m) ½Imax	d(m) ½E0
1.0	3262		0.39	0.39
1.5	1450		0.58	0.58
2.0	816		0.78	0.78
2.5	522		0.97	0.97
3.0	362		1.17	1.17
3.5	266		1.36	1.36
4.0	204		1.56	1.56
4.5	161		1.75	1.75

8-50W GU5-3 MR16 24D 827 2700K



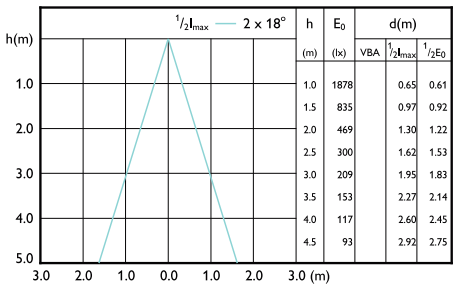
h (m)	E_0 (lx)	d(m) VBA	d(m) ½Imax	d(m) ½E0
1.0	3509		0.39	0.39
1.5	1560		0.58	0.58
2.0	877		0.78	0.78
2.5	561		0.97	0.97
3.0	390		1.17	1.17
3.5	286		1.36	1.36
4.0	219		1.56	1.56
4.5	173		1.75	1.75

LEDspot MAS 8-50W GU5.3 MR16 840 24D DIM



h (m)	E_0 (lx)	d(m) VBA	d(m) ½Imax	d(m) ½E0
1.0	1746		0.65	0.61
1.5	776		0.97	0.92
2.0	436		1.30	1.22
2.5	279		1.62	1.53
3.0	194		1.95	1.83
3.5	142		2.27	2.14
4.0	109		2.60	2.45
4.5	86		2.92	2.75

8-50W GU5-3 MR16 36D 827 2700K



h (m)	E_0 (lx)	d(m) VBA	d(m) ½Imax	d(m) ½E0
1.0	1878		0.65	0.61
1.5	835		0.97	0.92
2.0	469		1.30	1.22
2.5	300		1.62	1.53
3.0	209		1.95	1.83
3.5	153		2.27	2.14
4.0	117		2.60	2.45
4.5	93		2.92	2.75

8-50W GU5-3 MR16 36D 840 4000K

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