

Create a warm, welcoming ambience with superior quality lighting

MASTER LEDspot ExpertColor LV

MASTER LEDspot LV ExpertColor creates a warm and comfortable ambience for hospitality venues, homes and restaurants. It creates such an ambience with superior lighting that has a customized spectrum, high CRI, and deep dimming feature. The result? A beautiful lighting experience. What's more, the innovative, trimless lens design will suit almost any interior decor with its clean and neat look. In addition, you can take advantage of the full ExpertColor family, which also includes LEDspot MV and LEDspot Par lamps.

Benefits

- Create warm and comfortable ambience
- Interior decor, furnishings and fabrics look great
- Hassle-free retrofit solution for greater energy efficiency and sustainability

Features

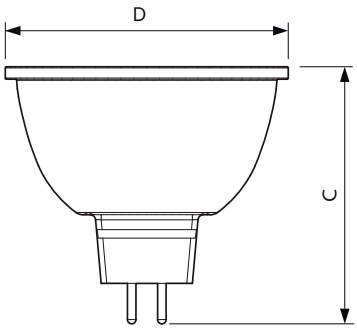
- Customized color spectrum replicates halogen light color
- Trimless design with beautiful V-groove lens
- Best-in-class color realization CRI97, R9>85
- Deep and smooth dimming with broad transformer compatibility
- Retrofit with low-voltage MR16 halogen lamps with GU5.3 socket

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Application

- Hospitality: hotel guest room, corridors, lobby, reception area, restaurants, bars, cafes
- Home: living room, bedrooms, hall way
- Retail: exhibitions, display cabinets, shops, dressing rooms

Dimensional drawing



Product	D	C
MAS LED ExpertColor 6.7-35W MR16 927 36D	50.5 mm	46 mm
MAS LED ExpertColor 6.7-35W MR16 930 36D	50.5 mm	46 mm
MAS LED ExpertColor 7.5-43W MR16 927 36D	50.5 mm	46 mm
MAS LED ExpertColor 7.5-43W MR16 930 24D	50.5 mm	46 mm
MAS LED ExpertColor 7.5-43W MR16 930 36D	50.5 mm	46 mm
MAS LED ExpertColor 7.5-43W MR16 940 24D	50.5 mm	46 mm
MAS LED ExpertColor 7.5-43W MR16 940 36D	50.5 mm	46 mm
MAS LED ExpertColor 6.7-35W MR16 927 10D	50.5 mm	46 mm
MAS LED ExpertColor 6.7-35W MR16 927 24D	50.5 mm	46 mm
MAS LED ExpertColor 6.7-35W MR16 927 60D	50.5 mm	46 mm
MAS LED ExpertColor 6.7-35W MR16 930 10D	50.5 mm	46 mm
MAS LED ExpertColor 6.7-35W MR16 930 24D	50.5 mm	46 mm
MAS LED ExpertColor 6.7-35W MR16 930 60D	50.5 mm	46 mm
MAS LED ExpertColor 6.7-35W MR16 940 10D	50.5 mm	46 mm
MAS LED ExpertColor 6.7-35W MR16 940 24D	50.5 mm	46 mm
MAS LED ExpertColor 6.7-35W MR16 940 36D	50.5 mm	46 mm
MAS LED ExpertColor 6.7-35W MR16 940 60D	50.5 mm	46 mm
MAS LED ExpertColor 7.5-43W MR16 927 24D	50.5 mm	46 mm

General Information	
Cap-Base	GU5.3
Switching Cycle	50,000
Nominal lifetime	40,000 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 Shape	MR16

Light Technical (1/2)

Order Code	Full Product Name	Beam Angle (Nom)	Correlated Color Temperature (Nom)	Color rendering index (CRI)	Color Code
35847800	MASTER LED ExpertColor 6.7-35W MR16 927 10D	10 degree(s)	2700 K	97	927
35849200	MASTER LED ExpertColor 6.7-35W MR16 930 10D	10 degree(s)	3000 K	97	930
35851500	MASTER LED ExpertColor 6.7-35W MR16 940 10D	10 degree(s)	4000 K	97	940
35865200	MASTER LED ExpertColor 7.5-43W MR16 927 24D	24 degree(s)	2700 K	92	927
35867600	MASTER LED ExpertColor 7.5-43W MR16 930 24D	24 degree(s)	3000 K	92	930
35869000	MASTER LED ExpertColor 7.5-43W MR16 940 24D	24 degree(s)	4000 K	92	940
35871300	MASTER LED ExpertColor 7.5-43W MR16 927 36D	36 degree(s)	2700 K	92	927
35873700	MASTER LED ExpertColor 7.5-43W MR16 930 36D	36 degree(s)	3000 K	92	930
35875100	MASTER LED ExpertColor 7.5-43W MR16 940 36D	36 degree(s)	4000 K	92	940

Order Code	Full Product Name	Beam Angle (Nom)	Correlated Color Temperature (Nom)	Color rendering index (CRI)	Color Code
35877500	MASTER LED ExpertColor 6.7-35W MR16 927 60D	60 degree(s)	2700 K	97	927
35843000	MASTER LED ExpertColor 6.7-35W MR16 930 60D	60 degree(s)	3000 K	97	930
35845400	MASTER LED ExpertColor 6.7-35W MR16 940 60D	60 degree(s)	4000 K	97	940
35853900	MASTER LED ExpertColor 6.7-35W MR16 927 24D	24 degree(s)	2700 K	97	927
35855300	MASTER LED ExpertColor 6.7-35W MR16 930 24D	24 degree(s)	3000 K	97	930
35857700	MASTER LED ExpertColor 6.7-35W MR16 940 24D	24 degree(s)	4000 K	97	940
35859100	MASTER LED ExpertColor 6.7-35W MR16 927 36D	36 degree(s)	2700 K	97	927
35861400	MASTER LED ExpertColor 6.7-35W MR16 930 36D	36 degree(s)	3000 K	97	930
35863800	MASTER LED ExpertColor 6.7-35W MR16 940 36D	36 degree(s)	4000 K	97	940

Light Technical (2/2)

Order Code	Full Product Name	Luminous Flux	Luminous Intensity (Nom)
35847800	MASTER LED ExpertColor 6.7-35W MR16 927 10D	410 lm	4,600 cd
35849200	MASTER LED ExpertColor 6.7-35W MR16 930 10D	430 lm	4,800 cd
35851500	MASTER LED ExpertColor 6.7-35W MR16 940 10D	440 lm	4,800 cd
35865200	MASTER LED ExpertColor 7.5-43W MR16 927 24D	485 lm	2,400 cd
35867600	MASTER LED ExpertColor 7.5-43W MR16 930 24D	500 lm	2,600 cd
35869000	MASTER LED ExpertColor 7.5-43W MR16 940 24D	520 lm	2,800 cd
35871300	MASTER LED ExpertColor 7.5-43W MR16 927 36D	485 lm	1,400 cd
35873700	MASTER LED ExpertColor 7.5-43W MR16 930 36D	500 lm	1,550 cd
35875100	MASTER LED ExpertColor 7.5-43W MR16 940 36D	520 lm	1,650 cd

Order Code	Full Product Name	Luminous Flux	Luminous Intensity (Nom)
35877500	MASTER LED ExpertColor 6.7-35W MR16 927 60D	400 lm	410 cd
35843000	MASTER LED ExpertColor 6.7-35W MR16 930 60D	440 lm	440 cd
35845400	MASTER LED ExpertColor 6.7-35W MR16 940 60D	440 lm	440 cd
35853900	MASTER LED ExpertColor 6.7-35W MR16 927 24D	420 lm	2,100 cd
35855300	MASTER LED ExpertColor 6.7-35W MR16 930 24D	440 lm	2,200 cd
35857700	MASTER LED ExpertColor 6.7-35W MR16 940 24D	460 lm	2,200 cd
35859100	MASTER LED ExpertColor 6.7-35W MR16 927 36D	420 lm	1,300 cd
35861400	MASTER LED ExpertColor 6.7-35W MR16 930 36D	440 lm	1,400 cd
35863800	MASTER LED ExpertColor 6.7-35W MR16 940 36D	460 lm	1,400 cd

Operating and Electrical

Order Code	Full Product Name	Power Consumption	Wattage Equivalent
35847800	MASTER LED ExpertColor 6.7-35W MR16 927 10D	6.7 W	35 W

Order Code	Full Product Name	Power Consumption	Wattage Equivalent
35849200	MASTER LED ExpertColor 6.7-35W MR16 930 10D	6.7 W	35 W

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Order Code	Full Product Name	Power Consumption	Wattage Equivalent
35851500	MASTER LED ExpertColor 6.7-35W MR16 940 10D	6.7 W	35 W
35865200	MASTER LED ExpertColor 7.5-43W MR16 927 24D	7.5 W	43 W
35867600	MASTER LED ExpertColor 7.5-43W MR16 930 24D	7.5 W	43 W
35869000	MASTER LED ExpertColor 7.5-43W MR16 940 24D	7.5 W	43 W
35871300	MASTER LED ExpertColor 7.5-43W MR16 927 36D	7.5 W	43 W
35873700	MASTER LED ExpertColor 7.5-43W MR16 930 36D	7.5 W	43 W
35875100	MASTER LED ExpertColor 7.5-43W MR16 940 36D	7.5 W	43 W
35877500	MASTER LED ExpertColor 6.7-35W MR16 927 60D	6.7 W	35 W
35843000	MASTER LED ExpertColor 6.7-35W MR16 930 60D	6.7 W	35 W
35845400	MASTER LED ExpertColor 6.7-35W MR16 940 60D	6.7 W	35 W
35853900	MASTER LED ExpertColor 6.7-35W MR16 927 24D	6.7 W	35 W
35855300	MASTER LED ExpertColor 6.7-35W MR16 930 24D	6.7 W	35 W
35857700	MASTER LED ExpertColor 6.7-35W MR16 940 24D	6.7 W	35 W
35859100	MASTER LED ExpertColor 6.7-35W MR16 927 36D	6.7 W	35 W
35861400	MASTER LED ExpertColor 6.7-35W MR16 930 36D	6.7 W	35 W
35863800	MASTER LED ExpertColor 6.7-35W MR16 940 36D	6.7 W	35 W

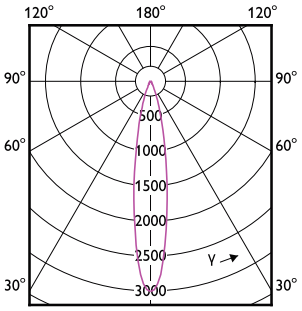
Temperature

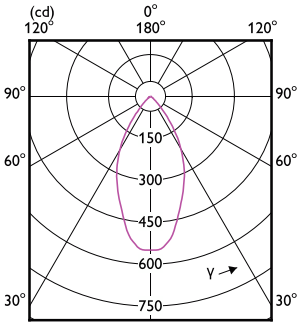
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35865200	MASTER LED ExpertColor 7.5-43W MR16 927 24D	93 °C
35867600	MASTER LED ExpertColor 7.5-43W MR16 930 24D	93 °C
35869000	MASTER LED ExpertColor 7.5-43W MR16 940 24D	93 °C
35871300	MASTER LED ExpertColor 7.5-43W MR16 927 36D	93 °C
35873700	MASTER LED ExpertColor 7.5-43W MR16 930 36D	93 °C
35875100	MASTER LED ExpertColor 7.5-43W MR16 940 36D	93 °C
35877500	MASTER LED ExpertColor 6.7-35W MR16 927 60D	92 °C
35843000	MASTER LED ExpertColor 6.7-35W MR16 930 60D	92 °C
35845400	MASTER LED ExpertColor 6.7-35W MR16 940 60D	92 °C
35853900	MASTER LED ExpertColor 6.7-35W MR16 927 24D	92 °C
35855300	MASTER LED ExpertColor 6.7-35W MR16 930 24D	92 °C
35857700	MASTER LED ExpertColor 6.7-35W MR16 940 24D	92 °C
35859100	MASTER LED ExpertColor 6.7-35W MR16 927 36D	92 °C
35861400	MASTER LED ExpertColor 6.7-35W MR16 930 36D	92 °C
35863800	MASTER LED ExpertColor 6.7-35W MR16 940 36D	92 °C

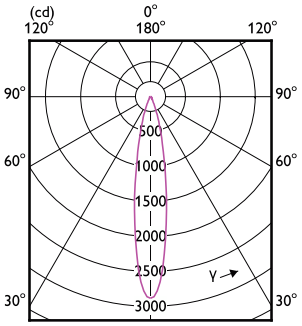
Approval and Application

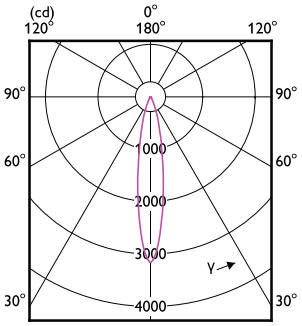
Order Code	Full Product Name	Energy Consumption kWh/1000 h
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35849200	MASTER LED ExpertColor 6.7-35W MR16 930 10D	7 kWh
35851500	MASTER LED ExpertColor 6.7-35W MR16 940 10D	7 kWh
35865200	MASTER LED ExpertColor 7.5-43W MR16 927 24D	8 kWh
35867600	MASTER LED ExpertColor 7.5-43W MR16 930 24D	8 kWh
35869000	MASTER LED ExpertColor 7.5-43W MR16 940 24D	8 kWh
35871300	MASTER LED ExpertColor 7.5-43W MR16 927 36D	8 kWh
35873700	MASTER LED ExpertColor 7.5-43W MR16 930 36D	8 kWh
35875100	MASTER LED ExpertColor 7.5-43W MR16 940 36D	8 kWh
35877500	MASTER LED ExpertColor 6.7-35W MR16 927 60D	7 kWh
35843000	MASTER LED ExpertColor 6.7-35W MR16 930 60D	7 kWh
35845400	MASTER LED ExpertColor 6.7-35W MR16 940 60D	7 kWh
35853900	MASTER LED ExpertColor 6.7-35W MR16 927 24D	7 kWh
35855300	MASTER LED ExpertColor 6.7-35W MR16 930 24D	7 kWh
35857700	MASTER LED ExpertColor 6.7-35W MR16 940 24D	7 kWh
35859100	MASTER LED ExpertColor 6.7-35W MR16 927 36D	7 kWh
35861400	MASTER LED ExpertColor 6.7-35W MR16 930 36D	7 kWh
35863800	MASTER LED ExpertColor 6.7-35W MR16 940 36D	7 kWh

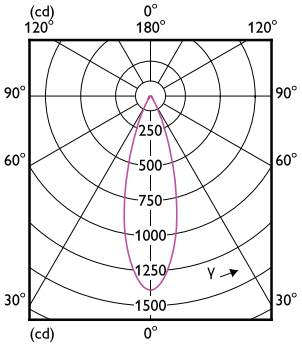
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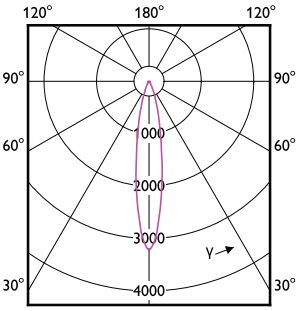


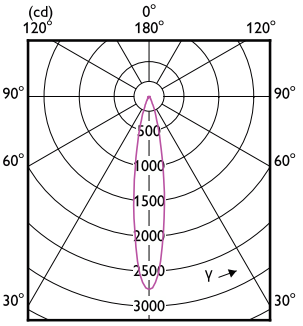


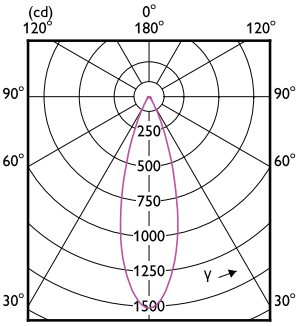


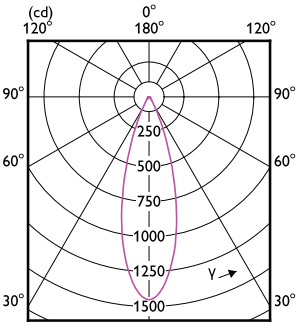


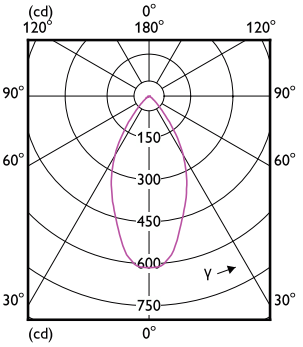


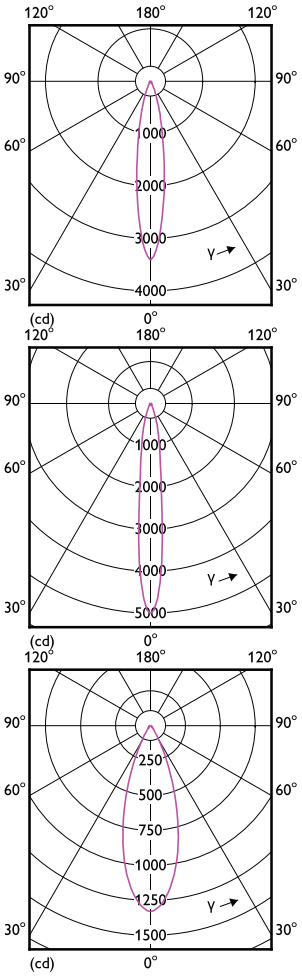


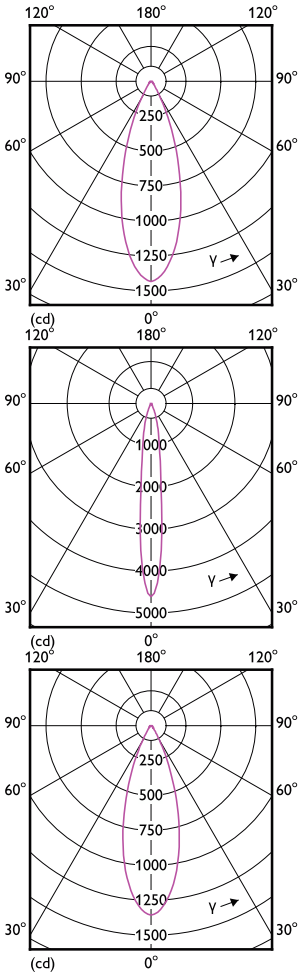




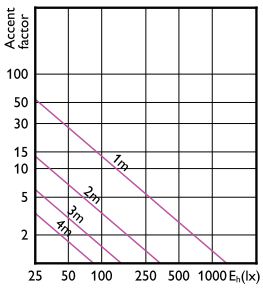




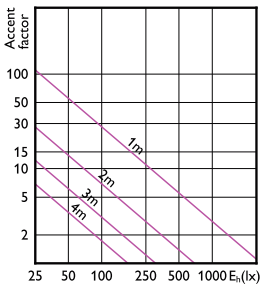




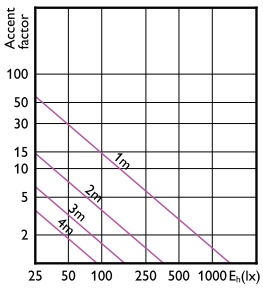
Accent Diagrams



Accent Diagram - MAS LED ExpertColor 7.5-43W MR16 930 36D

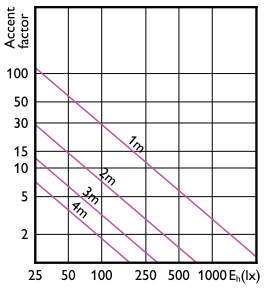


Accent Diagram - MAS LED ExpertColor 6.7-35W MR16 927 24D

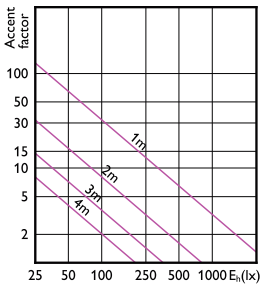


Accent Diagram - MAS LED ExpertColor 6.7-35W MR16 930 36D

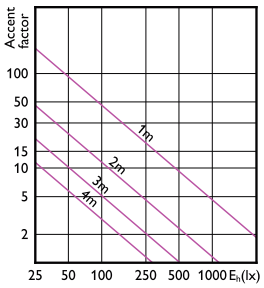
Accent Diagrams



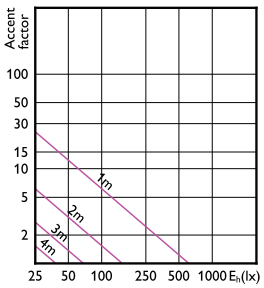
Accent Diagram - MAS LED ExpertColor 6.7-35W MR16 930 24D



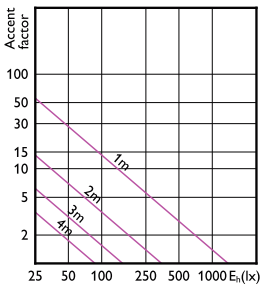
Accent Diagram - MAS LED ExpertColor 7.5-43W MR16 930 24D



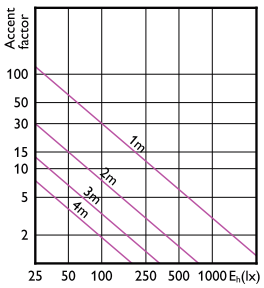
Accent Diagram - MAS LED ExpertColor 6.7-35W MR16 927 10D



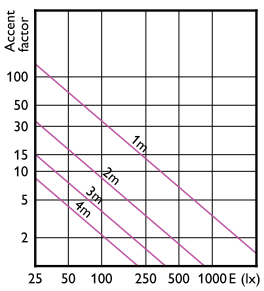
Accent Diagram - MAS LED ExpertColor 6.7-35W MR16 940 60D



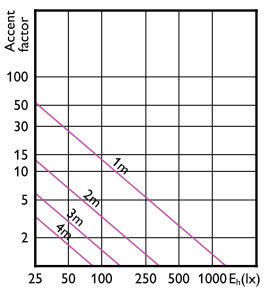
Accent Diagram - MAS LED ExpertColor 6.7-35W MR16 927 36D



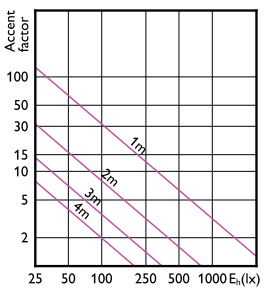
Accent Diagram - MAS LED ExpertColor 6.7-35W MR16 940 24D



Accent Diagram - MAS LED ExpertColor 7.5-43W MR16 940 24D

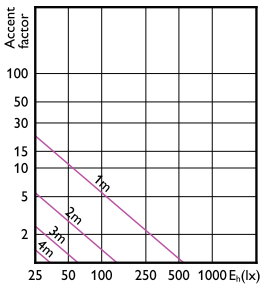


Accent Diagram - MAS LED ExpertColor 7.5-43W MR16 927 36D

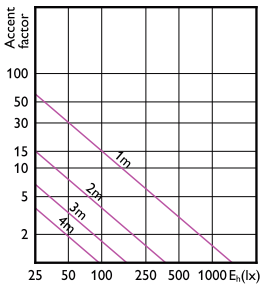


Accent Diagram - MAS LED ExpertColor 7.5-43W MR16 927 24D

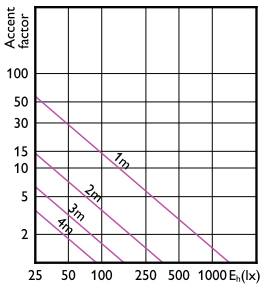
Accent Diagrams



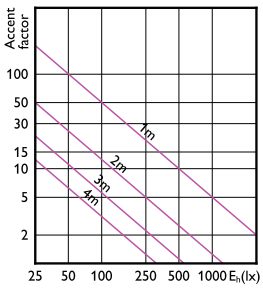
Accent Diagram - MAS LED ExpertColor 6.7-35W MR16 927 60D



Accent Diagram - MAS LED ExpertColor 6.7-35W MR16 940 36D

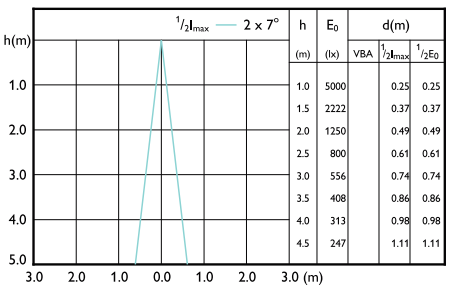


Accent Diagram - MAS LED ExpertColor 7.5-43W MR16 940 36D



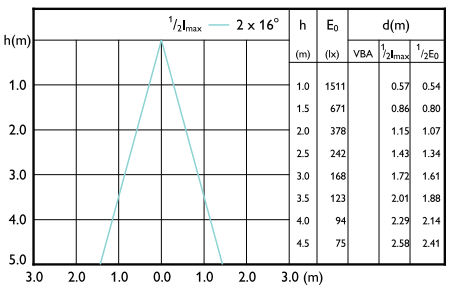
Accent Diagram - MAS LED ExpertColor 6.7-35W MR16 930 10D

Beam Diagrams



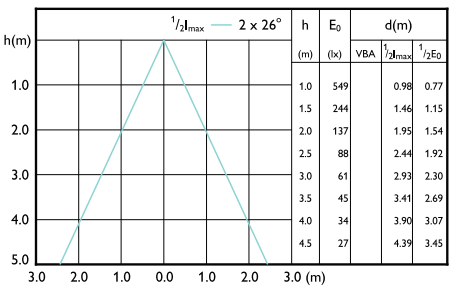
h (m)	E_0 (lx)	d(m) VBA	$^1/_2I_{max}$	$^1/_2E_0$
1.0	5000		0.25	0.25
1.5	2222		0.37	0.37
2.0	1250		0.49	0.49
2.5	800		0.61	0.61
3.0	556		0.74	0.74
3.5	408		0.86	0.86
4.0	313		0.98	0.98
4.5	247		1.11	1.11

Beam diagram - MAS LED ExpertColor 6.7-35W MR16 930 10D



h (m)	E_0 (lx)	d(m) VBA	$^1/_2I_{max}$	$^1/_2E_0$
1.0	1511		0.57	0.54
1.5	671		0.86	0.80
2.0	378		1.15	1.07
2.5	242		1.43	1.34
3.0	168		1.72	1.61
3.5	123		2.01	1.88
4.0	94		2.29	2.14
4.5	75		2.58	2.41

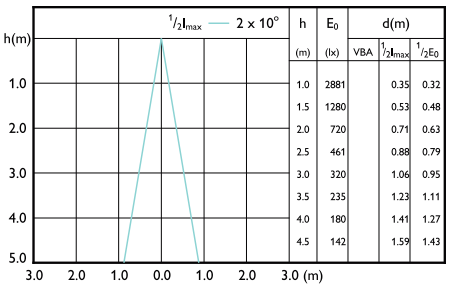
Beam diagram - MAS LED ExpertColor 6.7-35W MR16 940 36D



h (m)	E_0 (lx)	d(m) VBA	$^1/_2I_{max}$	$^1/_2E_0$
1.0	549		0.98	0.77
1.5	244		1.46	1.15
2.0	137		1.95	1.54
2.5	88		2.44	1.92
3.0	61		2.93	2.30
3.5	45		3.41	2.69
4.0	34		3.90	3.07
4.5	27		4.39	3.45

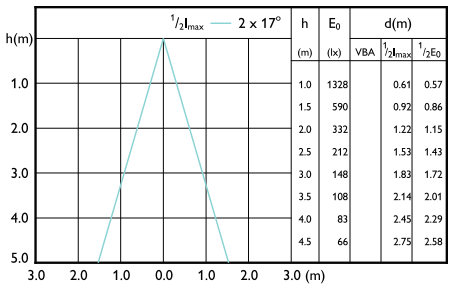
Beam diagram - MAS LED ExpertColor 6.7-35W MR16 927 60D

Beam Diagrams



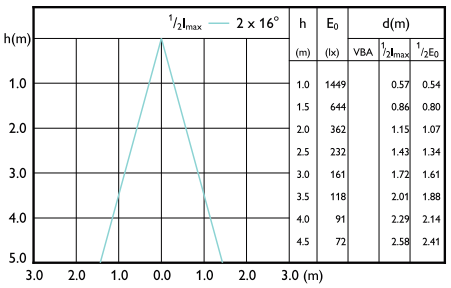
h (m)	E_0 (lx)	d(m) VBA	d(m) $^1/_2I_{max}$	d(m) $^1/_2E_0$
1.0	2881		0.35	0.32
1.5	1280		0.53	0.48
2.0	720		0.71	0.63
2.5	461		0.88	0.79
3.0	320		1.06	0.95
3.5	235		1.23	1.11
4.0	180		1.41	1.27
4.5	142		1.59	1.43

Beam diagram - MAS LED ExpertColor 6.7-35W MR16 930 24D



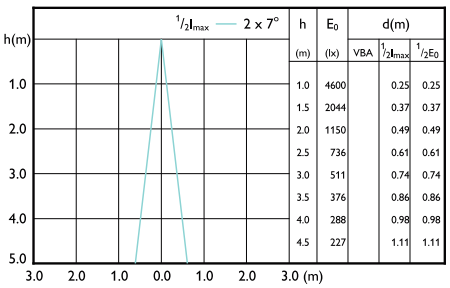
h (m)	E_0 (lx)	d(m) VBA	d(m) $^1/_2I_{max}$	d(m) $^1/_2E_0$
1.0	1328		0.61	0.57
1.5	590		0.92	0.86
2.0	332		1.22	1.15
2.5	212		1.53	1.43
3.0	148		1.83	1.72
3.5	108		2.14	2.01
4.0	83		2.45	2.29
4.5	66		2.75	2.58

Beam diagram - MAS LED ExpertColor 7.5-43W MR16 927 36D



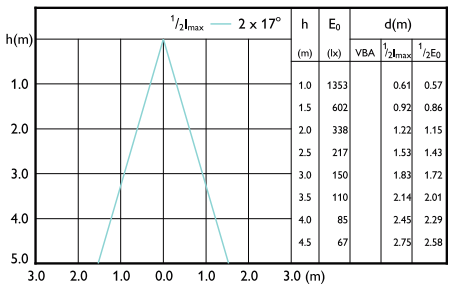
h (m)	E_0 (lx)	d(m) VBA	d(m) $^1/_2I_{max}$	d(m) $^1/_2E_0$
1.0	1449		0.57	0.54
1.5	644		0.86	0.80
2.0	362		1.15	1.07
2.5	232		1.43	1.34
3.0	161		1.72	1.61
3.5	118		2.01	1.88
4.0	91		2.29	2.14
4.5	72		2.58	2.41

Beam diagram - MAS LED ExpertColor 6.7-35W MR16 930 36D



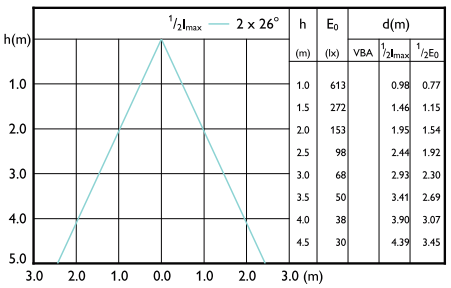
h (m)	E_0 (lx)	d(m) VBA	d(m) $^1/_2I_{max}$	d(m) $^1/_2E_0$
1.0	4600		0.25	0.25
1.5	2044		0.37	0.37
2.0	1150		0.49	0.49
2.5	736		0.61	0.61
3.0	511		0.74	0.74
3.5	376		0.86	0.86
4.0	288		0.98	0.98
4.5	227		1.11	1.11

Beam diagram - MAS LED ExpertColor 6.7-35W MR16 927 10D



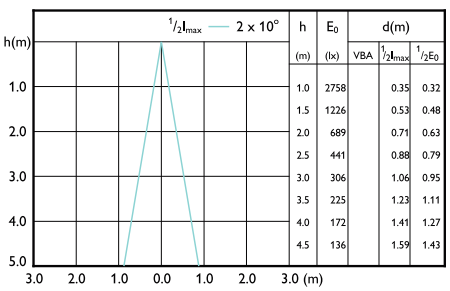
h (m)	E_0 (lx)	d(m) VBA	d(m) $^1/_2I_{max}$	d(m) $^1/_2E_0$
1.0	1353		0.61	0.57
1.5	602		0.92	0.86
2.0	338		1.22	1.15
2.5	217		1.53	1.43
3.0	150		1.83	1.72
3.5	110		2.14	2.01
4.0	85		2.45	2.29
4.5	67		2.75	2.58

Beam diagram - MAS LED ExpertColor 7.5-43W MR16 930 36D



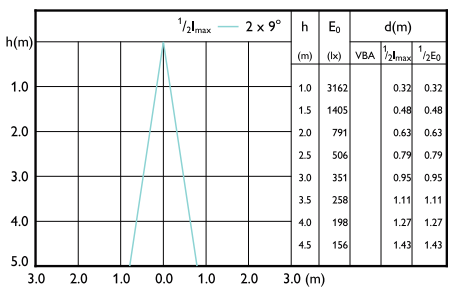
h (m)	E_0 (lx)	d(m) VBA	d(m) $^1/_2I_{max}$	d(m) $^1/_2E_0$
1.0	613		0.98	0.77
1.5	272		1.46	1.15
2.0	153		1.95	1.54
2.5	98		2.44	1.92
3.0	68		2.93	2.30
3.5	50		3.41	2.69
4.0	38		3.90	3.07
4.5	30		4.39	3.45

Beam diagram - MAS LED ExpertColor 6.7-35W MR16 940 60D



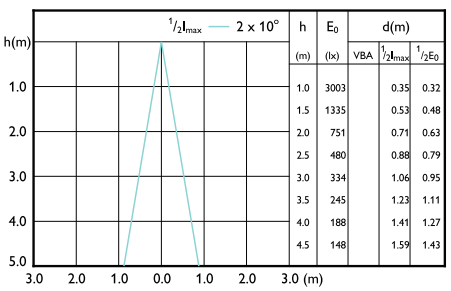
h (m)	E_0 (lx)	d(m) VBA	d(m) $^1/_2I_{max}$	d(m) $^1/_2E_0$
1.0	2758		0.35	0.32
1.5	1226		0.53	0.48
2.0	689		0.71	0.63
2.5	441		0.88	0.79
3.0	306		1.06	0.95
3.5	225		1.23	1.11
4.0	172		1.41	1.27
4.5	136		1.59	1.43

Beam diagram - MAS LED ExpertColor 6.7-35W MR16 927 24D



h (m)	E_0 (lx)	d(m) VBA	d(m) $^1/_2I_{max}$	d(m) $^1/_2E_0$
1.0	3162		0.32	0.32
1.5	1405		0.48	0.48
2.0	791		0.63	0.63
2.5	506		0.79	0.79
3.0	351		0.95	0.95
3.5	258		1.11	1.11
4.0	198		1.27	1.27
4.5	156		1.43	1.43

Beam diagram - MAS LED ExpertColor 7.5-43W MR16 927 24D

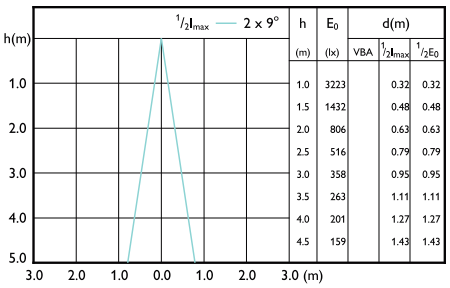


h (m)	E_0 (lx)	d(m) VBA	d(m) $^1/_2I_{max}$	d(m) $^1/_2E_0$
1.0	3003		0.35	0.32
1.5	1335		0.53	0.48
2.0	751		0.71	0.63
2.5	480		0.88	0.79
3.0	334		1.06	0.95
3.5	245		1.23	1.11
4.0	188		1.41	1.27
4.5	148		1.59	1.43

Beam diagram - MAS LED ExpertColor 6.7-35W MR16 940 24D

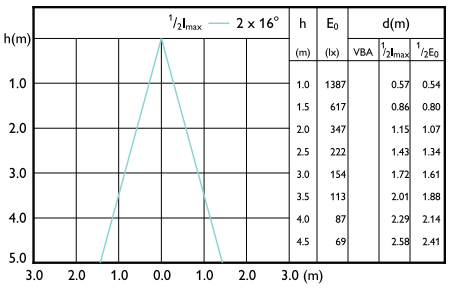
MASTER LEDspot ExpertColor LV

Beam Diagrams



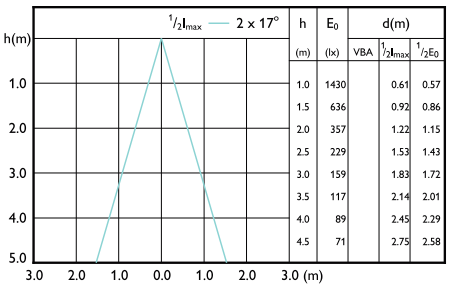
h (m)	E0 (lx)	d(m) VBA	½Imax	½E0
1.0	3223		0.32	0.32
1.5	1432		0.48	0.48
2.0	806		0.63	0.63
2.5	516		0.79	0.79
3.0	358		0.95	0.95
3.5	263		1.11	1.11
4.0	201		1.27	1.27
4.5	159		1.43	1.43

Beam diagram - MAS LED ExpertColor 7.5-43W MR16 930 24D



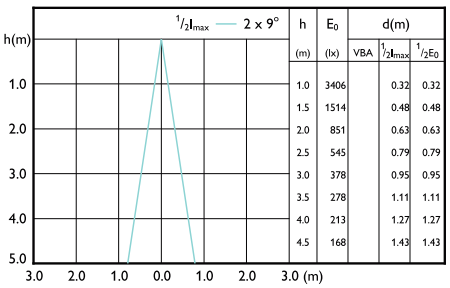
h (m)	E0 (lx)	d(m) VBA	½Imax	½E0
1.0	1387		0.57	0.54
1.5	617		0.86	0.80
2.0	347		1.15	1.07
2.5	222		1.43	1.34
3.0	154		1.72	1.61
3.5	113		2.01	1.88
4.0	87		2.29	2.14
4.5	69		2.58	2.41

Beam diagram - MAS LED ExpertColor 6.7-35W MR16 927 36D



h (m)	E0 (lx)	d(m) VBA	½Imax	½E0
1.0	1430		0.61	0.57
1.5	636		0.92	0.86
2.0	357		1.22	1.15
2.5	229		1.53	1.43
3.0	159		1.83	1.72
3.5	117		2.14	2.01
4.0	89		2.45	2.29
4.5	71		2.75	2.58

Beam diagram - MAS LED ExpertColor 7.5-43W MR16 940 36D



h (m)	E0 (lx)	d(m) VBA	½Imax	½E0
1.0	3406		0.32	0.32
1.5	1514		0.48	0.48
2.0	851		0.63	0.63
2.5	545		0.79	0.79
3.0	378		0.95	0.95
3.5	278		1.11	1.11
4.0	213		1.27	1.27
4.5	168		1.43	1.43

Beam diagram - MAS LED ExpertColor 7.5-43W MR16 940 24D

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