



Create a warm, welcoming ambience with superior quality lighting

MASTER LEDspot ExpertColor AR111

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

Features

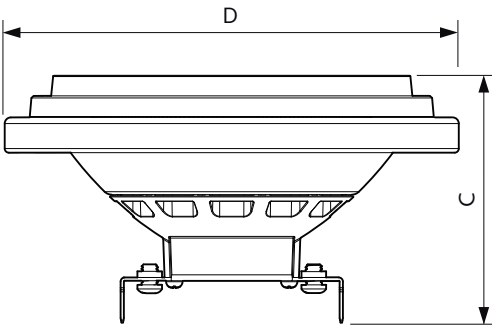
- Customized color spectrum replicates halogen light color
- Trimless design with beautiful V-groove lens
- Best-in-class color realization CRI97, R9>85
- Deep and smooth dimming with broad transformer compatibility
- Retrofittable with G53 luminaires

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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 ExpertColor 10.8-50W 927 AR111 24D	111 mm	61 mm
MAS ExpertColor 10.8-50W 927 AR111 40D	111 mm	61 mm
MAS ExpertColor 10.8-50W 927 AR111 9D	111 mm	61 mm
MAS ExpertColor 10.8-50W 930 AR111 24D	111 mm	61 mm
MAS ExpertColor 10.8-50W 930 AR111 40D	111 mm	61 mm
MAS ExpertColor 10.8-50W 930 AR111 9D	111 mm	61 mm
MAS ExpertColor 14.8-75W 927 AR111 24D	111 mm	61 mm
MAS ExpertColor 14.8-75W 927 AR111 45D	111 mm	61 mm
MAS ExpertColor 14.8-75W 930 AR111 24D	111 mm	61 mm
MAS ExpertColor 14.8-75W 930 AR111 45D	111 mm	61 mm
MAS ExpertColor 14.8-75W 940 AR111 24D	111 mm	61 mm
MAS ExpertColor 14.8-75W 940 AR111 45D	111 mm	61 mm
MAS LEDExpertColor 20-100W 927 AR111 24D	111 mm	62 mm
MAS LEDExpertColor 20-100W 927 AR111 40D	111 mm	62 mm
MAS LEDExpertColor 20-100W 927 AR111 45D	111 mm	62 mm
MAS LEDExpertColor 20-100W 930 AR111 24D	111 mm	62 mm
MAS LEDExpertColor 20-100W 930 AR111 40D	111 mm	62 mm
MAS LEDExpertColor 20-100W 930 AR111 45D	111 mm	62 mm
MAS LEDExpertColor 20-100W 930 AR111 45D	111 mm	62 mm
MAS LEDExpertColor 20-100W 940 AR111 24D	111 mm	62 mm
MAS LEDExpertColor 20-100W 940 AR111 24D	111 mm	62 mm
MAS LEDExpertColor 20-100W 940 AR111 45D	111 mm	62 mm
MAS LEDExpertColor 20-100W 940 AR111 45D	111 mm	62 mm

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General Information	
Cap-Base	G53
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	50 to 60 Hz
Line Frequency	50 to 60 Hz
Starting Time (Nom)	0.5 s
Controls and Dimming	
Dimmable	Only with specific dimmers
Mechanical and Housing	
Bulb Finish	Clear
Bulb Shape	AR111

Light Technical (1/2)

Order Code	Full Product Name	Beam Angle (Nom)	Correlated Color Temperature (Nom)	Color rendering index (CRI)	Color Code
33379600	MAS ExpertColor 14.8-75W 927 AR111 24D	24 degree(s)	2700 K	95	927
33381900	MAS ExpertColor 14.8-75W 927 AR111 45D	45 degree(s)	2700 K	95	927
33383300	MAS ExpertColor 14.8-75W 930 AR111 24D	24 degree(s)	3000 K	95	930
33385700	MAS ExpertColor 14.8-75W 930 AR111 45D	45 degree(s)	3000 K	95	930
33387100	MAS ExpertColor 14.8-75W 940 AR111 24D	24 degree(s)	4000 K	95	940
33389500	MAS ExpertColor 14.8-75W 940 AR111 45D	45 degree(s)	4000 K	95	940
33393200	MAS ExpertColor 10.8-50W 927 AR111 24D	24 degree(s)	2700 K	95	927
33395600	MAS ExpertColor 10.8-50W 927 AR111 40D	40 degree(s)	2700 K	95	927
33399400	MAS ExpertColor 10.8-50W 930 AR111 24D	24 degree(s)	3000 K	95	930
33401400	MAS ExpertColor 10.8-50W 930 AR111 40D	40 degree(s)	3000 K	95	930
42965900	MAS LEDExpertColor 20-100W 927 AR111 24D	24 degree(s)	2700 K	95	927
44873500	MAS LEDExpertColor 20-100W 927 AR111 24D	24 degree(s)	2700 K	97	927
42969700	MAS LEDExpertColor 20-100W 930 AR111 24D	24 degree(s)	3000 K	95	930
44875900	MAS LEDExpertColor 20-100W 930 AR111 24D	24 degree(s)	3000 K	97	930
42973400	MAS LEDExpertColor 20-100W 940 AR111 24D	24 degree(s)	4000 K	95	940
44877300	MAS LEDExpertColor 20-100W 940 AR111 24D	24 degree(s)	4000 K	97	940
42967300	MAS LEDExpertColor 20-100W 927 AR111 45D	45 degree(s)	2700 K	95	927
44879700	MAS LEDExpertColor 20-100W 927 AR111 45D	45 degree(s)	2700 K	97	927
42971000	MAS LEDExpertColor 20-100W 930 AR111 45D	45 degree(s)	3000 K	95	930
44881000	MAS LEDExpertColor 20-100W 930 AR111 45D	45 degree(s)	3000 K	97	930
42975800	MAS LEDExpertColor 20-100W 940 AR111 45D	45 degree(s)	4000 K	95	940
44883400	MAS LEDExpertColor 20-100W 940 AR111 45D	45 degree(s)	4000 K	97	940
33391800	MAS ExpertColor 10.8-50W 927 AR111 9D	9 degree(s)	2700 K	95	927
33397000	MAS ExpertColor 10.8-50W 930 AR111 9D	9 degree(s)	3000 K	95	930

MASTER LEDspot ExpertColor AR111

Light Technical (2/2)

Order Code	Full Product Name	Luminous	
		Luminous Flux	Intensity (Nom)
33379600	MAS ExpertColor 14.8-75W 927 AR111 24D	875 lm	3,000 cd
33381900	MAS ExpertColor 14.8-75W 927 AR111 45D	875 lm	1,200 cd
33383300	MAS ExpertColor 14.8-75W 930 AR111 24D	875 lm	3,000 cd
33385700	MAS ExpertColor 14.8-75W 930 AR111 45D	875 lm	1,300 cd
33387100	MAS ExpertColor 14.8-75W 940 AR111 24D	950 lm	3,300 cd
33389500	MAS ExpertColor 14.8-75W 940 AR111 45D	950 lm	1,400 cd
33393200	MAS ExpertColor 10.8-50W 927 AR111 24D	600 lm	3,000 cd
33395600	MAS ExpertColor 10.8-50W 927 AR111 40D	600 lm	1,200 cd
33399400	MAS ExpertColor 10.8-50W 930 AR111 24D	620 lm	3,200 cd
33401400	MAS ExpertColor 10.8-50W 930 AR111 40D	620 lm	1,200 cd
42965900	MAS LEDExpertColor 20-100W 927 AR111 24D	1,270 lm	4,000 cd
44873500	MAS LEDExpertColor 20-100W 927 AR111 24D	1,500 lm	4,000 cd

Order Code	Full Product Name	Luminous	
		Luminous Flux	Intensity (Nom)
42969700	MAS LEDExpertColor 20-100W 930 AR111 24D	1,270 lm	4,200 cd
44875900	MAS LEDExpertColor 20-100W 930 AR111 24D	1,600 lm	4,200 cd
42973400	MAS LEDExpertColor 20-100W 940 AR111 24D	1,270 lm	4,400 cd
44877300	MAS LEDExpertColor 20-100W 940 AR111 24D	1,700 lm	4,400 cd
42967300	MAS LEDExpertColor 20-100W 927 AR111 45D	1,270 lm	2,100 cd
44879700	MAS LEDExpertColor 20-100W 927 AR111 45D	1,500 lm	2,100 cd
42971000	MAS LEDExpertColor 20-100W 930 AR111 45D	1,270 lm	2,200 cd
44881000	MAS LEDExpertColor 20-100W 930 AR111 45D	1,600 lm	2,200 cd
42975800	MAS LEDExpertColor 20-100W 940 AR111 45D	1,270 lm	2,300 cd
44883400	MAS LEDExpertColor 20-100W 940 AR111 45D	1,700 lm	2,300 cd
33391800	MAS ExpertColor 10.8-50W 927 AR111 9D	600 lm	8,000 cd
33397000	MAS ExpertColor 10.8-50W 930 AR111 9D	620 lm	8,000 cd

Operating and Electrical

Order Code	Full Product Name	Power	Wattage
		Consumption	Equivalent
33379600	MAS ExpertColor 14.8-75W 927 AR111 24D	14.8 W	75 W
33381900	MAS ExpertColor 14.8-75W 927 AR111 45D	14.8 W	75 W
33383300	MAS ExpertColor 14.8-75W 930 AR111 24D	14.8 W	75 W
33385700	MAS ExpertColor 14.8-75W 930 AR111 45D	14.8 W	75 W
33387100	MAS ExpertColor 14.8-75W 940 AR111 24D	14.8 W	75 W
33389500	MAS ExpertColor 14.8-75W 940 AR111 45D	14.8 W	75 W
33393200	MAS ExpertColor 10.8-50W 927 AR111 24D	10.8 W	50 W
33395600	MAS ExpertColor 10.8-50W 927 AR111 40D	10.8 W	50 W
33399400	MAS ExpertColor 10.8-50W 930 AR111 24D	10.8 W	50 W
33401400	MAS ExpertColor 10.8-50W 930 AR111 40D	10.8 W	50 W

Order Code	Full Product Name	Power	Wattage
		Consumption	Equivalent
42965900	MAS LEDExpertColor 20-100W 927 AR111 24D	20 W	100 W
44873500	MAS LEDExpertColor 20-100W 927 AR111 24D	20 W	100 W
42969700	MAS LEDExpertColor 20-100W 930 AR111 24D	20 W	100 W
44875900	MAS LEDExpertColor 20-100W 930 AR111 24D	20 W	100 W
42973400	MAS LEDExpertColor 20-100W 940 AR111 24D	20 W	100 W
44877300	MAS LEDExpertColor 20-100W 940 AR111 24D	20 W	100 W
42967300	MAS LEDExpertColor 20-100W 927 AR111 45D	20 W	100 W
44879700	MAS LEDExpertColor 20-100W 927 AR111 45D	20 W	100 W
42971000	MAS LEDExpertColor 20-100W 930 AR111 45D	20 W	100 W
44881000	MAS LEDExpertColor 20-100W 930 AR111 45D	20 W	100 W

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Order Code	Full Product Name	Power	Wattage
		Consumption	Equivalent
42975800	MAS LEDEExpertColor 20-100W 940 AR111 45D	20 W	100 W
44883400	MAS LEDEExpertColor 20-100W 940 AR111 45D	20 W	100 W

Order Code	Full Product Name	Power	Wattage
		Consumption	Equivalent
33391800	MAS ExpertColor 10.8-50W 927 AR111 9D	10.8 W	50 W
33397000	MAS ExpertColor 10.8-50W 930 AR111 9D	10.8 W	50 W

Temperature

Order Code	Full Product Name	T-Case Maximum (Nom)
33379600	MAS ExpertColor 14.8-75W 927 AR111 24D	85 °C
33381900	MAS ExpertColor 14.8-75W 927 AR111 45D	85 °C
33383300	MAS ExpertColor 14.8-75W 930 AR111 24D	85 °C
33385700	MAS ExpertColor 14.8-75W 930 AR111 45D	85 °C
33387100	MAS ExpertColor 14.8-75W 940 AR111 24D	85 °C
33389500	MAS ExpertColor 14.8-75W 940 AR111 45D	85 °C
33393200	MAS ExpertColor 10.8-50W 927 AR111 24D	70 °C
33395600	MAS ExpertColor 10.8-50W 927 AR111 40D	70 °C
33399400	MAS ExpertColor 10.8-50W 930 AR111 24D	70 °C
33401400	MAS ExpertColor 10.8-50W 930 AR111 40D	70 °C
42965900	MAS LEDEExpertColor 20-100W 927 AR111 24D	77 °C
44873500	MAS LEDEExpertColor 20-100W 927 AR111 24D	77 °C

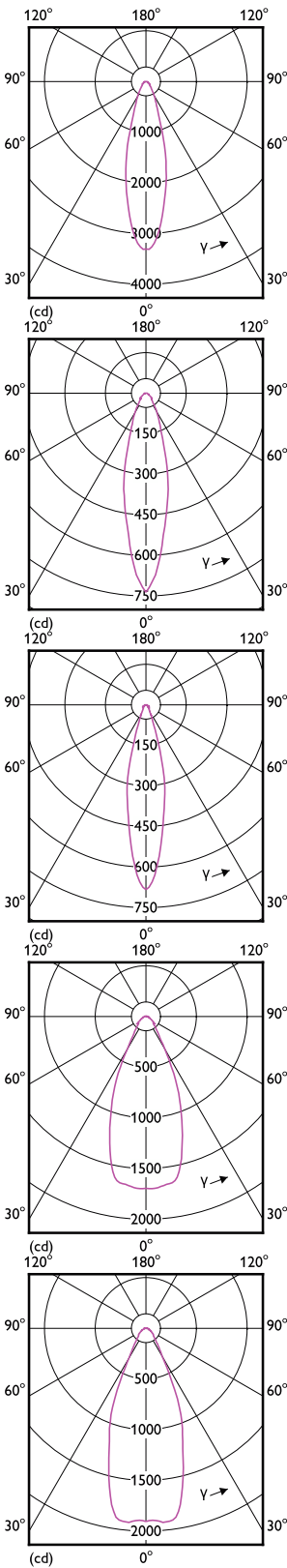
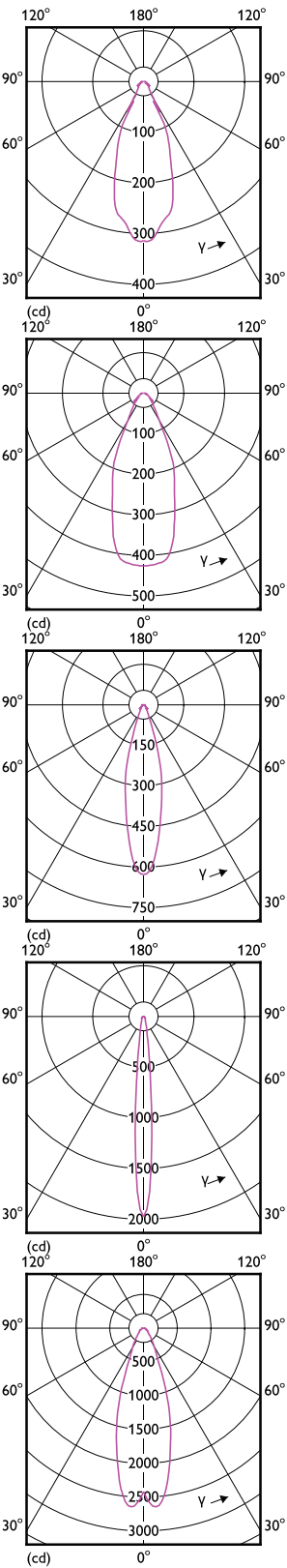
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44875900	MAS LEDEExpertColor 20-100W 930 AR111 24D	77 °C
42973400	MAS LEDEExpertColor 20-100W 940 AR111 24D	77 °C
44877300	MAS LEDEExpertColor 20-100W 940 AR111 24D	77 °C
42967300	MAS LEDEExpertColor 20-100W 927 AR111 45D	77 °C
44879700	MAS LEDEExpertColor 20-100W 927 AR111 45D	77 °C
42971000	MAS LEDEExpertColor 20-100W 930 AR111 45D	77 °C
44881000	MAS LEDEExpertColor 20-100W 930 AR111 45D	77 °C
42975800	MAS LEDEExpertColor 20-100W 940 AR111 45D	77 °C
44883400	MAS LEDEExpertColor 20-100W 940 AR111 45D	77 °C
33391800	MAS ExpertColor 10.8-50W 927 AR111 9D	70 °C
33397000	MAS ExpertColor 10.8-50W 930 AR111 9D	70 °C

Approval and Application

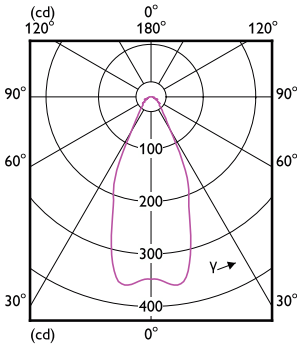
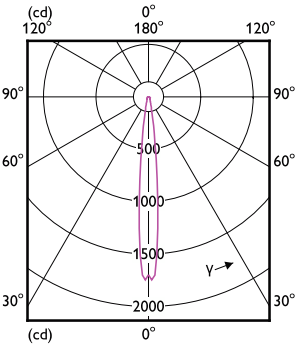
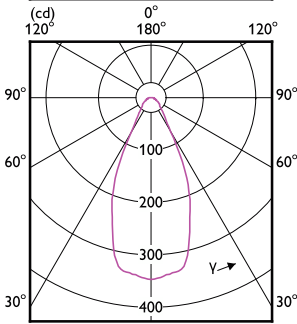
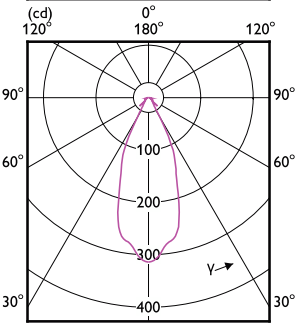
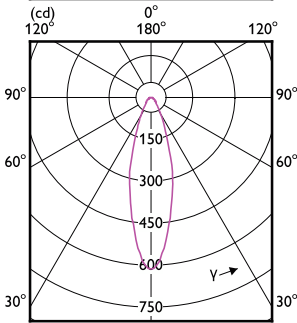
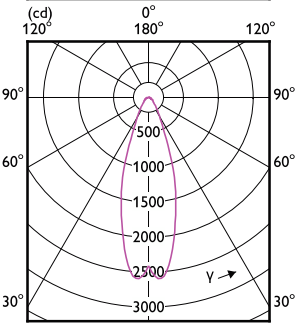
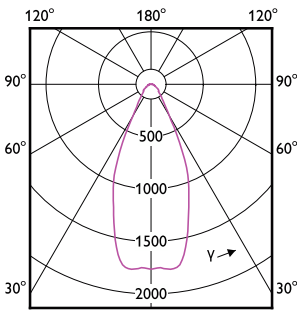
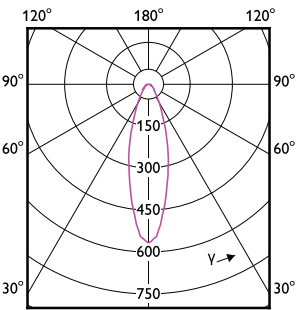
Order Code	Full Product Name	Ambient	Energy
		temperature range	Consumption kWh/1000 h
33379600	MAS ExpertColor 14.8-75W 927 AR111 24D	-	15 kWh
33381900	MAS ExpertColor 14.8-75W 927 AR111 45D	-	15 kWh
33383300	MAS ExpertColor 14.8-75W 930 AR111 24D	-	15 kWh
33385700	MAS ExpertColor 14.8-75W 930 AR111 45D	-	15 kWh
33387100	MAS ExpertColor 14.8-75W 940 AR111 24D	-	15 kWh
33389500	MAS ExpertColor 14.8-75W 940 AR111 45D	-	15 kWh
33393200	MAS ExpertColor 10.8-50W 927 AR111 24D	-	11 kWh
33395600	MAS ExpertColor 10.8-50W 927 AR111 40D	-	11 kWh
33399400	MAS ExpertColor 10.8-50W 930 AR111 24D	-	11 kWh
33401400	MAS ExpertColor 10.8-50W 930 AR111 40D	-	11 kWh
42965900	MAS LEDEExpertColor 20-100W 927 AR111 24D	-20 °C to 45 °C	20 kWh
44873500	MAS LEDEExpertColor 20-100W 927 AR111 24D	-20 °C to 45 °C	-

Order Code	Full Product Name	Ambient	Energy
		temperature range	Consumption kWh/1000 h
42969700	MAS LEDEExpertColor 20-100W 930 AR111 24D	-20 °C to 45 °C	20 kWh
44875900	MAS LEDEExpertColor 20-100W 930 AR111 24D	-20 °C to 45 °C	-
42973400	MAS LEDEExpertColor 20-100W 940 AR111 24D	-20 °C to 45 °C	20 kWh
44877300	MAS LEDEExpertColor 20-100W 940 AR111 24D	-20 °C to 45 °C	-
42967300	MAS LEDEExpertColor 20-100W 927 AR111 45D	-20 °C to 45 °C	20 kWh
44879700	MAS LEDEExpertColor 20-100W 927 AR111 45D	-20 °C to 45 °C	-
42971000	MAS LEDEExpertColor 20-100W 930 AR111 45D	-20 °C to 45 °C	20 kWh
44881000	MAS LEDEExpertColor 20-100W 930 AR111 45D	-20 °C to 45 °C	-
42975800	MAS LEDEExpertColor 20-100W 940 AR111 45D	-20 °C to 45 °C	20 kWh
44883400	MAS LEDEExpertColor 20-100W 940 AR111 45D	-20 °C to 45 °C	-
33391800	MAS ExpertColor 10.8-50W 927 AR111 9D	-	11 kWh
33397000	MAS ExpertColor 10.8-50W 930 AR111 9D	-	11 kWh

MASTER LEDspot ExpertColor AR111

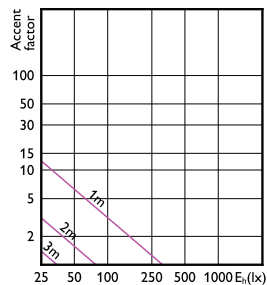


MASTER LEDspot ExpertColor AR111

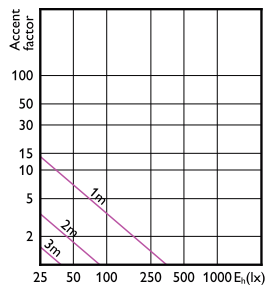


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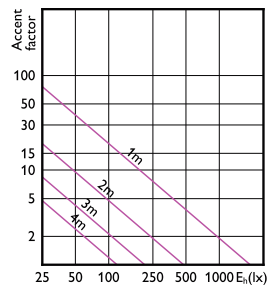
Accent Diagrams



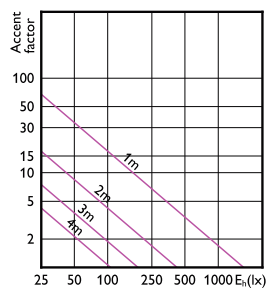
Accent Diagram - MAS ExpertColor 10.8-50W
930 AR111 40D



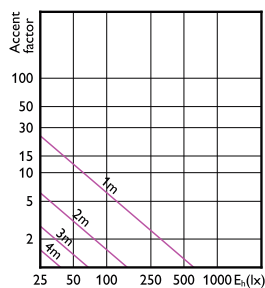
Accent Diagram - MAS ExpertColor 14.8-75W
930 AR111 45D



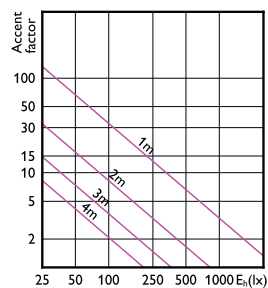
Accent Diagram - MAS LEDExpertColor
20-100W 930 AR111 45D



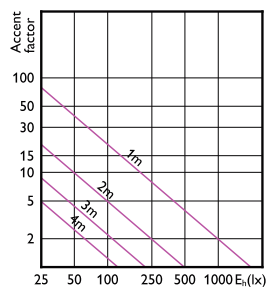
Accent Diagram - MAS LEDExpertColor
20-100W 927 AR111 45D



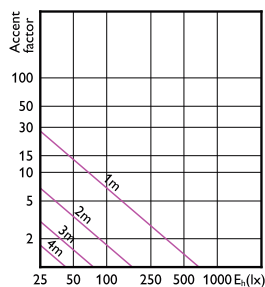
Accent Diagram - MAS ExpertColor 14.8-75W
930 AR111 24D



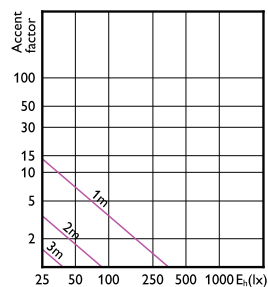
Accent Diagram - MAS LEDExpertColor
20-100W 940 AR111 24D



Accent Diagram - MAS ExpertColor 10.8-50W
930 AR111 9D



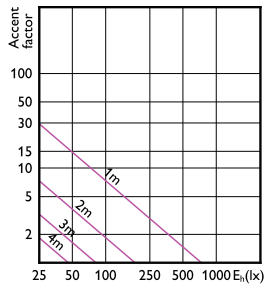
Accent Diagram - MAS ExpertColor 10.8-50W
930 AR111 24D



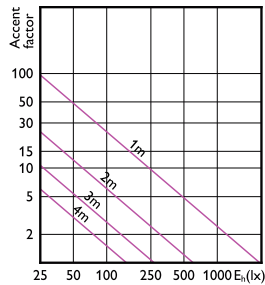
Accent Diagram - MAS ExpertColor 14.8-75W
927 AR111 45D

MASTER LEDspot ExpertColor AR111

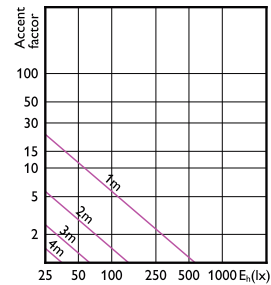
Accent Diagrams



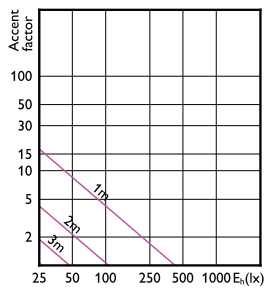
Accent Diagram - MAS ExpertColor 14.8-75W
940 AR111 24D



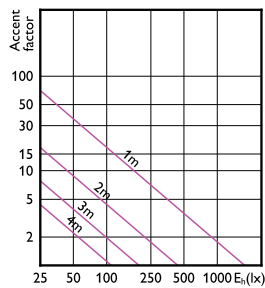
Accent Diagram - MAS LEExpertColor
20-100W 927 AR111 24D



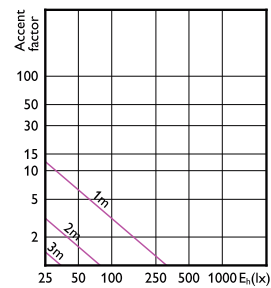
Accent Diagram - MAS ExpertColor 14.8-75W
927 AR111 24D



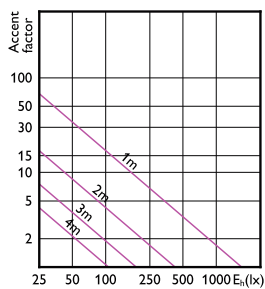
Accent Diagram - MAS ExpertColor 14.8-75W
940 AR111 45D



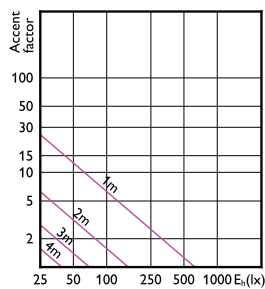
Accent Diagram - MAS LEExpertColor
20-100W 940 AR111 45D



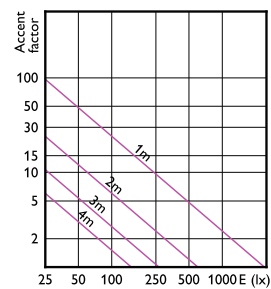
Accent Diagram - MAS ExpertColor 10.8-50W
927 AR111 40D



Accent Diagram - MAS ExpertColor 10.8-50W
927 AR111 9D



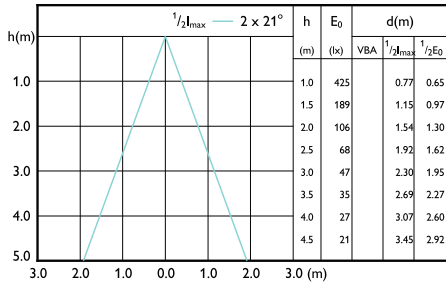
Accent Diagram - MAS ExpertColor 10.8-50W
927 AR111 24D



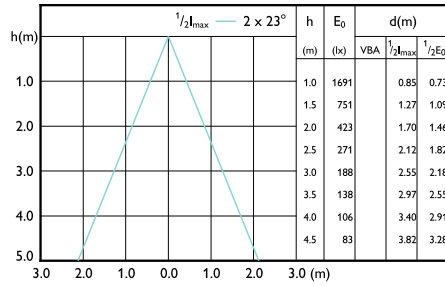
Accent Diagram - MAS LEExpertColor
20-100W 930 AR111 24D

MASTER LEDspot ExpertColor AR111

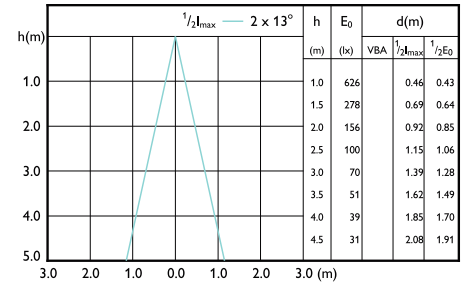
Beam Diagrams



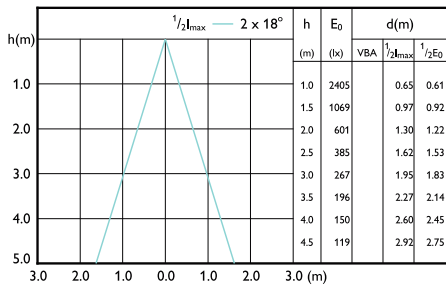
Beam diagram - MAS ExpertColor 14.8-75W
940 AR111 45D



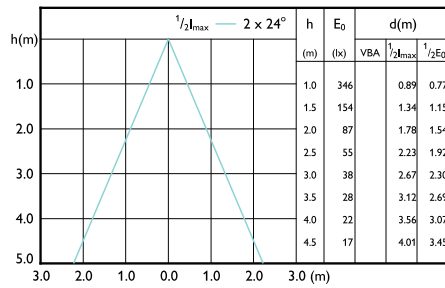
Beam diagram - MAS LEDExpertColor 20-100W
927 AR111 45D



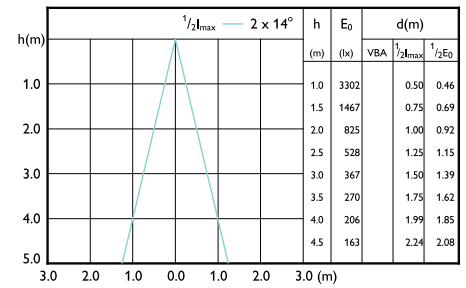
Beam diagram - MAS ExpertColor 10.8-50W
927 AR111 24D



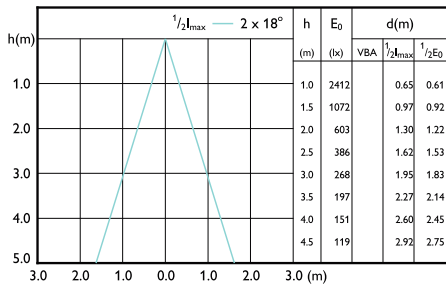
Beam diagram - MAS LEDExpertColor 20-100W
930 AR111 24D



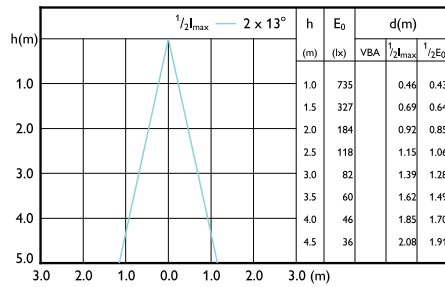
Beam diagram - MAS ExpertColor 14.8-75W
930 AR111 45D



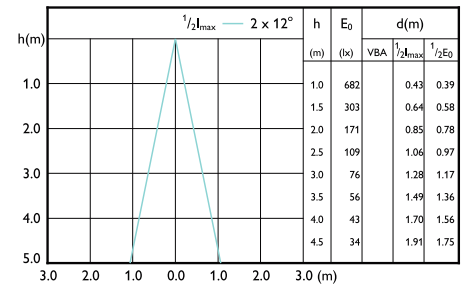
Beam diagram - MAS LEDExpertColor 20-100W
940 AR111 24D



Beam diagram - MAS LEDExpertColor 20-100W
927 AR111 24D



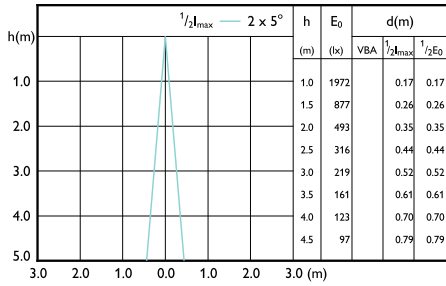
Beam diagram - MAS ExpertColor 14.8-75W
940 AR111 24D



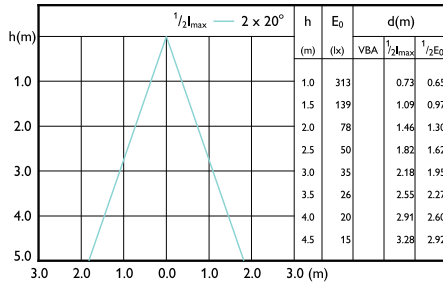
Beam diagram - MAS ExpertColor 10.8-50W
930 AR111 24D

MASTER LEDspot ExpertColor AR111

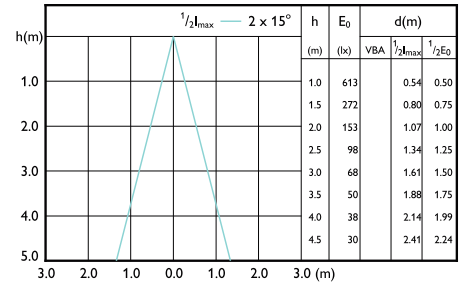
Beam Diagrams



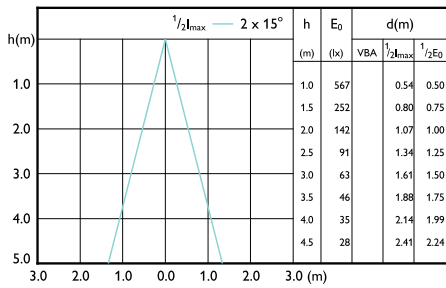
Beam diagram - MAS ExpertColor 10.8-50W
930 AR111 9D



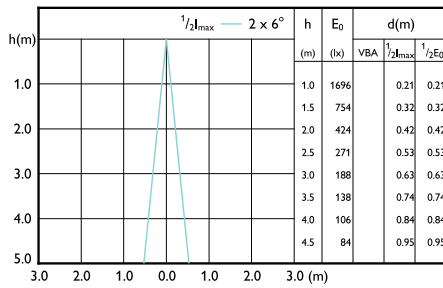
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930 AR111 40D



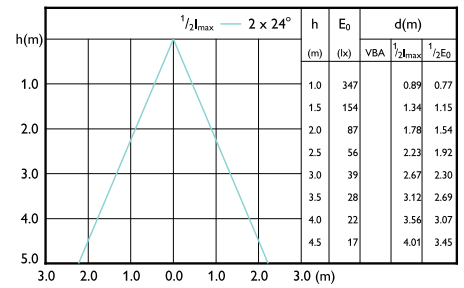
Beam diagram - MAS ExpertColor 14.8-75W
930 AR111 24D



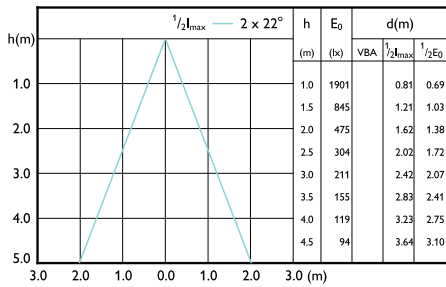
Beam diagram - MAS ExpertColor 14.8-75W 927
AR111 24D



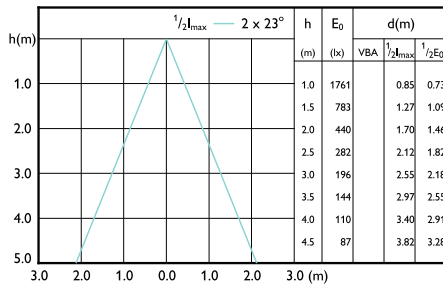
Beam diagram - MAS ExpertColor 10.8-50W
927 AR111 9D



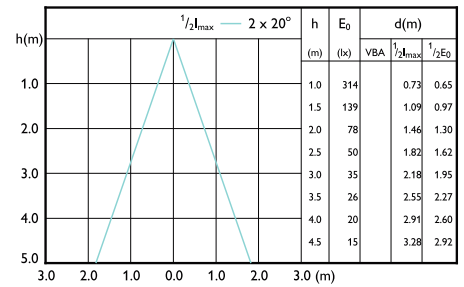
Beam diagram - MAS ExpertColor 14.8-75W 927
AR111 45D



Beam diagram - MAS LEDExpertColor 20-100W
930 AR111 45D



Beam diagram - MAS LEDExpertColor 20-100W
940 AR111 45D



Beam diagram - MAS ExpertColor 10.8-50W
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MASTER LEDspot ExpertColor AR111

