



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

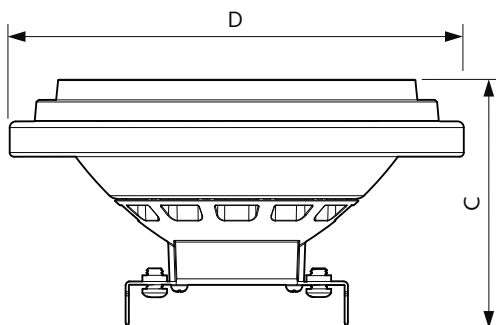
- Customized color spectrum replicates halogen light color
- Trimless design with beautiful V-groove lens
- Best-in-class color realization CRI97, R9>85
- Deep and smooth dimming with broad transformer compatibility
- Retrofittable with G53 luminaires

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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 14.8-75W 940 AR111 24D	111 mm	61 mm
MAS ExpertColor 14.8-75W 940 AR111 45D	111 mm	61 mm
MAS LEDEExpertColor 20-100W 930 AR111 45D	111 mm	62 mm
MAS LEDEExpertColor 20-100W 940 AR111 24D	111 mm	62 mm
MAS LEDEExpertColor 20-100W 940 AR111 45D	111 mm	62 mm

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 %
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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
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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
929003043002	MAS ExpertColor 14.8-75W 940 AR111 24D	24 degree(s)	4000 K	95	940
929003043102	MAS ExpertColor 14.8-75W 940 AR111 45D	45 degree(s)	4000 K	95	940
929003478808	MAS LEDEExpertColor 20-100W 940 AR111 24D	24 degree(s)	4000 K	97	940
929003479008	MAS LEDEExpertColor 20-100W 930 AR111 45D	45 degree(s)	3000 K	97	930
929003479108	MAS LEDEExpertColor 20-100W 940 AR111 45D	45 degree(s)	4000 K	97	940

Light Technical (2/2)

Order Code	Full Product Name	Luminous Flux	Luminous Intensity (Nom)
929003043002	MAS ExpertColor 14.8-75W 940 AR111 24D	950 lm	3,300 cd
929003043102	MAS ExpertColor 14.8-75W 940 AR111 45D	950 lm	1,400 cd
929003478808	MAS LEDEExpertColor 20-100W 940 AR111 24D	1,700 lm	4,400 cd

Order Code	Full Product Name	Luminous Flux	Luminous Intensity (Nom)
929003479008	MAS LEDEExpertColor 20-100W 930 AR111 45D	1,600 lm	2,200 cd
929003479108	MAS LEDEExpertColor 20-100W 940 AR111 45D	1,700 lm	2,300 cd

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Operating and Electrical

Order Code	Full Product Name	Power	Wattage
		Consumption	Equivalent
929003043002	MAS ExpertColor 14.8-75W 940 AR111 24D	14.8 W	75 W
929003043102	MAS ExpertColor 14.8-75W 940 AR111 45D	14.8 W	75 W
929003478808	MAS LEDExpertColor 20-100W 940 AR111 24D	20 W	100 W

Order Code	Full Product Name	Power	Wattage
		Consumption	Equivalent
929003479008	MAS LEDExpertColor 20-100W 930 AR111 45D	20 W	100 W
929003479108	MAS LEDExpertColor 20-100W 940 AR111 45D	20 W	100 W

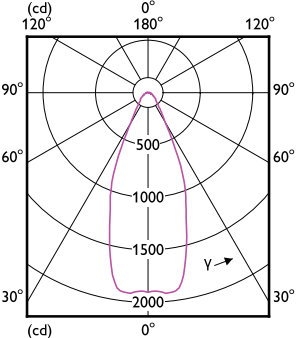
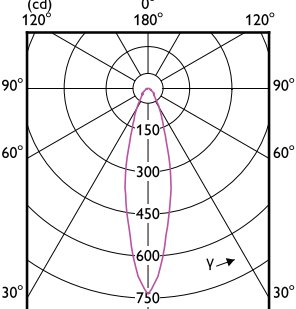
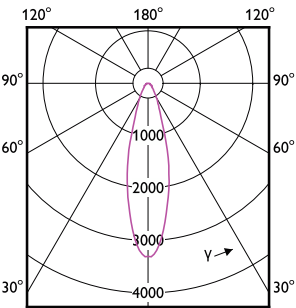
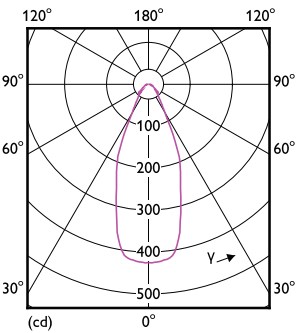
Temperature

Order Code	Full Product Name	T-Case Maximum (Nom)
929003043002	MAS ExpertColor 14.8-75W 940 AR111 24D	85 °C
929003043102	MAS ExpertColor 14.8-75W 940 AR111 45D	85 °C
929003478808	MAS LEDExpertColor 20-100W 940 AR111 24D	77 °C

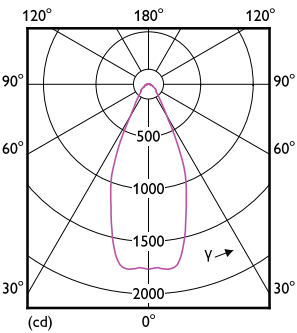
Order Code	Full Product Name	T-Case Maximum (Nom)
929003479008	MAS LEDExpertColor 20-100W 930 AR111 45D	77 °C
929003479108	MAS LEDExpertColor 20-100W 940 AR111 45D	77 °C

Approval and Application

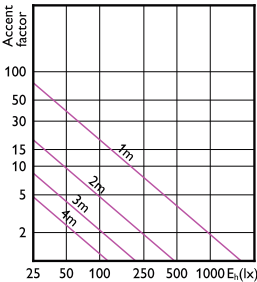
Order Code	Full Product Name	Ambient temperature range	Energy Consumption kWh/1000 h
929003043002	MAS ExpertColor 14.8-75W 940 AR111 24D	-	15 kWh
929003043102	MAS ExpertColor 14.8-75W 940 AR111 45D	-	15 kWh
929003478808	MAS LEDExpertColor 20-100W 940 AR111 24D	-20 °C to 45 °C	-
929003479008	MAS LEDExpertColor 20-100W 930 AR111 45D	-20 °C to 45 °C	-
929003479108	MAS LEDExpertColor 20-100W 940 AR111 45D	-20 °C to 45 °C	-



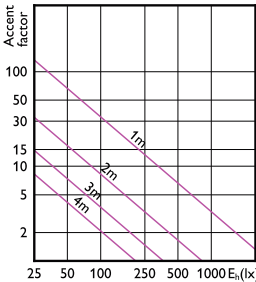
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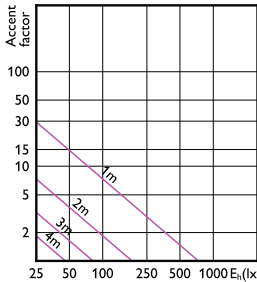
Accent Diagrams



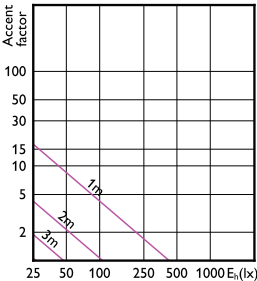
Accent Diagram - MAS LEDExpertColor
20-100W 930 AR111 45D



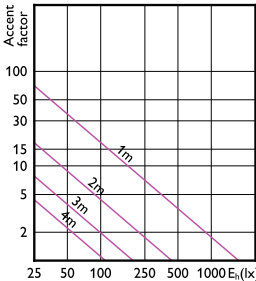
Accent Diagram - MAS LEDExpertColor
20-100W 940 AR111 24D



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



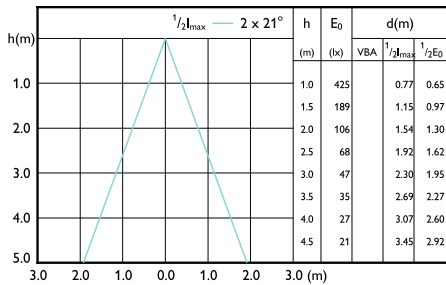
Accent Diagram - MAS ExpertColor 14.8-75W
940 AR111 45D



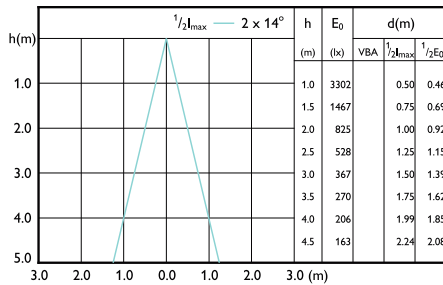
Accent Diagram - MAS LEDExpertColor
20-100W 940 AR111 45D

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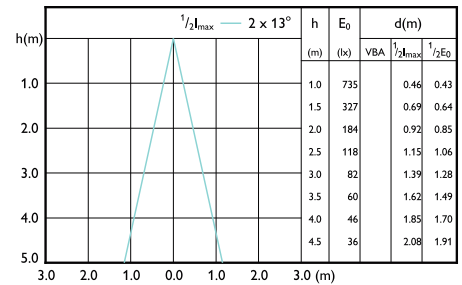
Beam Diagrams



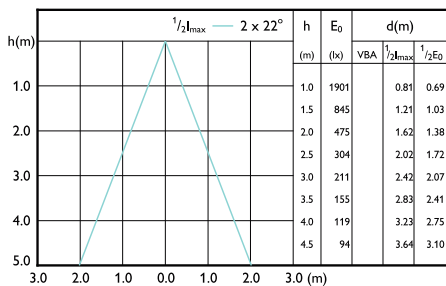
Beam diagram - MAS ExpertColor 14.8-75W
940 AR111 45D



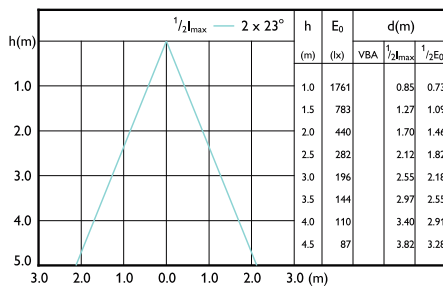
Beam diagram - MAS LEDExpertColor 20-100W
940 AR111 24D



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



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



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

