



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

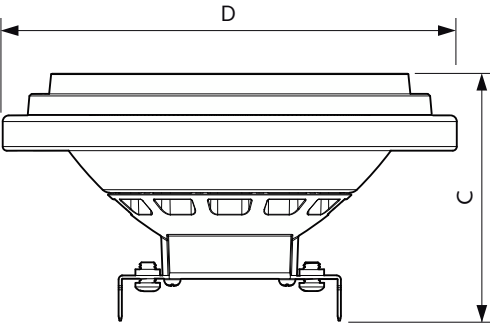
- Customized color spectrum replicates halogen light color
- Trimless design with beautiful V-groove lens
- Best-in-class color realization CRI97, R9>85
- Deep and smooth dimming with broad transformer compatibility
- Retrofittable with G53 luminaires

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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 % |
| 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 | Color Code |
|------------|---|------------------|------------------------------------|-----------------|------------|
| | | | | index (CRI) | |
| 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 |
| 44877300 | MAS LEDEExpertColor 20-100W 940 AR111 24D | 24 degree(s) | 4000 K | 97 | 940 |
| 44881000 | MAS LEDEExpertColor 20-100W 930 AR111 45D | 45 degree(s) | 3000 K | 97 | 930 |
| 44883400 | 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) |
| 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 |
| 44877300 | MAS LEDEExpertColor 20-100W 940 AR111 24D | 1,700 lm | 4,400 cd |

| Order Code | Full Product Name | Luminous Flux | Luminous |
|------------|---|---------------|-----------------|
| | | | Intensity (Nom) |
| 44881000 | MAS LEDEExpertColor 20-100W 930 AR111 45D | 1,600 lm | 2,200 cd |
| 44883400 | 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 Consumption | Wattage Equivalent |
|------------|--|-------------------|--------------------|
| 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 |
| 44877300 | MAS LEDExpertColor 20-100W 940 AR111 24D | 20 W | 100 W |

| Order Code | Full Product Name | Power Consumption | Wattage Equivalent |
|------------|--|-------------------|--------------------|
| 44881000 | MAS LEDExpertColor 20-100W 930 AR111 45D | 20 W | 100 W |
| 44883400 | MAS LEDExpertColor 20-100W 940 AR111 45D | 20 W | 100 W |

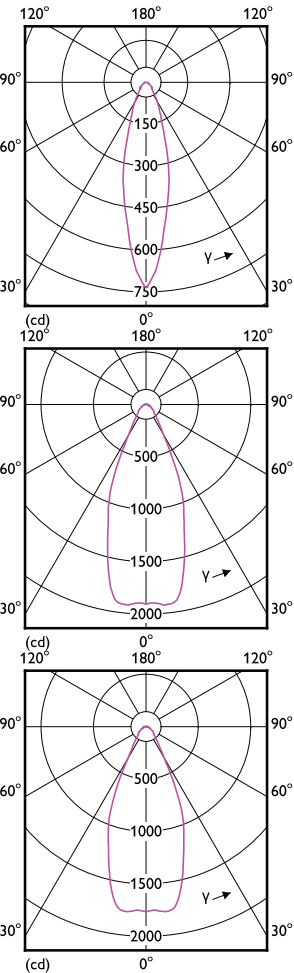
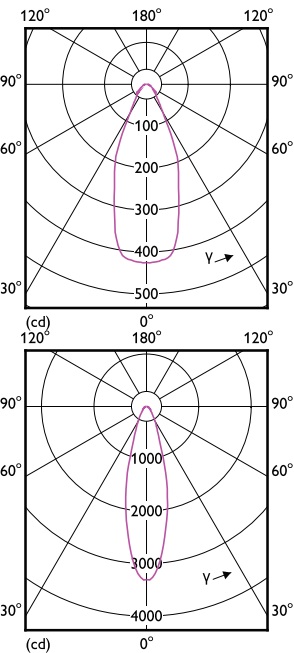
Temperature

| Order Code | Full Product Name | T-Case Maximum (Nom) |
|------------|--|----------------------|
| 33387100 | MAS ExpertColor 14.8-75W 940 AR111 24D | 85 °C |
| 33389500 | MAS ExpertColor 14.8-75W 940 AR111 45D | 85 °C |
| 44877300 | MAS LEDExpertColor 20-100W 940 AR111 24D | 77 °C |

| Order Code | Full Product Name | T-Case Maximum (Nom) |
|------------|--|----------------------|
| 44881000 | MAS LEDExpertColor 20-100W 930 AR111 45D | 77 °C |
| 44883400 | MAS LEDExpertColor 20-100W 940 AR111 45D | 77 °C |

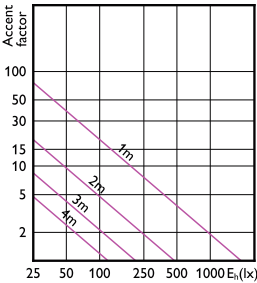
Approval and Application

| Order Code | Full Product Name | Ambient temperature range | Energy Consumption kWh/1000 h |
|------------|--|---------------------------|-------------------------------|
| 33387100 | MAS ExpertColor 14.8-75W 940 AR111 24D | - | 15 kWh |
| 33389500 | MAS ExpertColor 14.8-75W 940 AR111 45D | - | 15 kWh |
| 44877300 | MAS LEDExpertColor 20-100W 940 AR111 24D | -20 °C to 45 °C | - |
| 44881000 | MAS LEDExpertColor 20-100W 930 AR111 45D | -20 °C to 45 °C | - |
| 44883400 | MAS LEDExpertColor 20-100W 940 AR111 45D | -20 °C to 45 °C | - |

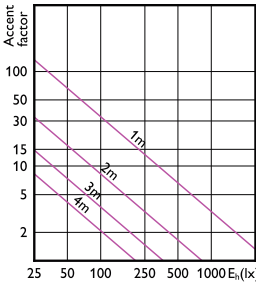


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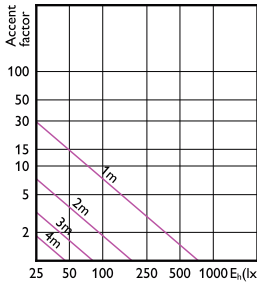
Accent Diagrams



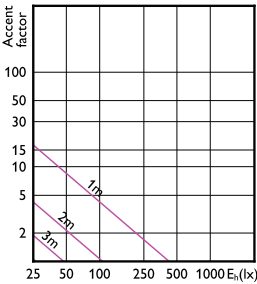
Accent Diagram - MAS LEDEExpertColor 20-100W 930 AR111 45D



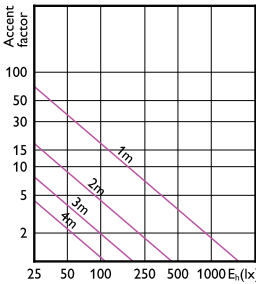
Accent Diagram - MAS LEDEExpertColor 20-100W 940 AR111 24D



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

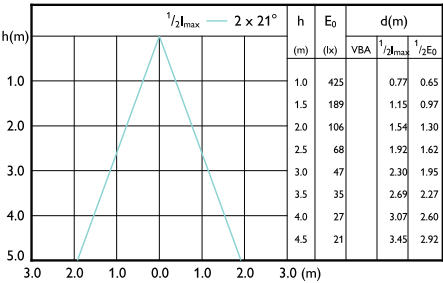


Accent Diagram - MAS ExpertColor 14.8-75W 940 AR111 45D

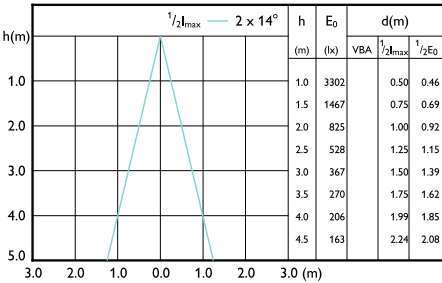


Accent Diagram - MAS LEDEExpertColor 20-100W 940 AR111 45D

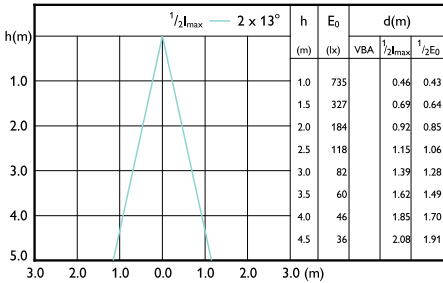
Beam Diagrams



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



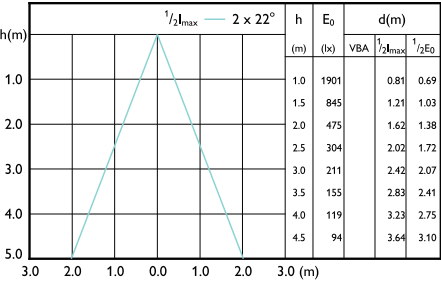
Beam diagram - MAS LEDEExpertColor 20-100W 940 AR111 24D



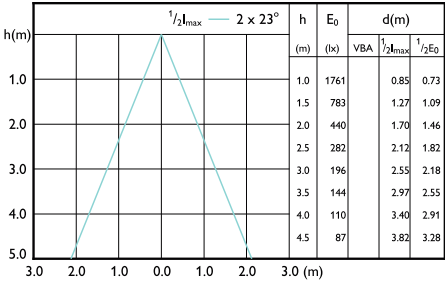
Beam diagram - MAS ExpertColor 14.8-75W 940 AR111 24D

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Beam Diagrams



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



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

