



# MASTER LED spot ExpertColor AR111

## MAS LEDExpertColor 20-100W 927 AR111 24D

LEDspot, AR111, 100 W, G53, 2700 K, 1500 lm, 40000 hour(s)

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.

### Product data

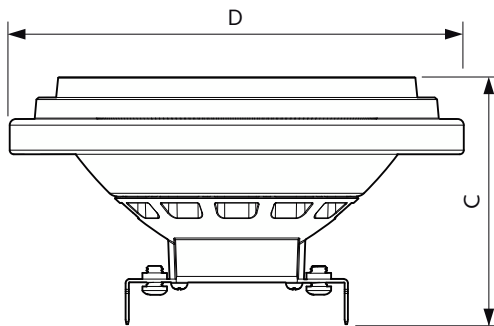
| General Information                |                    | Color rendering index (CRI)           |             |
|------------------------------------|--------------------|---------------------------------------|-------------|
| Cap-Base                           | G53                |                                       | 97          |
| Nominal lifetime                   | 40,000 hour(s)     | LLMF At End Of Nominal Lifetime (Nom) | 70 %        |
| Switching Cycle                    | 50,000             | <b>Operating and Electrical</b>       |             |
| Lighting Technology                | LEDspot            | Line Frequency                        | 50 to 60 Hz |
| <b>Light Technical</b>             |                    | Input Frequency                       | 50 to 60 Hz |
| Color Code                         | 927 [CCT of 2700K] | Power Consumption                     | 20 W        |
| Beam Angle (Nom)                   | 24 degree(s)       | Lamp Current (Nom)                    | 2,000 mA    |
| Luminous Flux                      | 1,500 lm           | Wattage Equivalent                    | 100 W       |
| Luminous Intensity (Nom)           | 4,000 cd           | Starting Time (Nom)                   | 0.5 s       |
| Color Designation                  | Warm White (WW)    | Warm-up time to 60% light             | 0.5 s       |
| Correlated Color Temperature (Nom) | 2700 K             | Power Factor (Fraction)               | 0.7         |
| Luminous Efficacy (rated) (Nom)    | 75.00 lm/W         | Voltage (Nom)                         | 12 V        |
| Color Consistency                  | <4                 |                                       |             |

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|                                 |                            |
|---------------------------------|----------------------------|
| <b>Temperature</b>              |                            |
| T-Case Maximum (Nom)            | 77 °C                      |
| <b>Controls and Dimming</b>     |                            |
| Dimmable                        | Only with specific dimmers |
| <b>Mechanical and Housing</b>   |                            |
| Bulb Finish                     | Clear                      |
| Bulb Shape                      | AR111                      |
| Net Weight (Piece)              | 0.162 kg                   |
| <b>Approval and Application</b> |                            |
| Suitable For Accent Lighting    | Yes                        |
| EU RoHS compliant               | Yes                        |

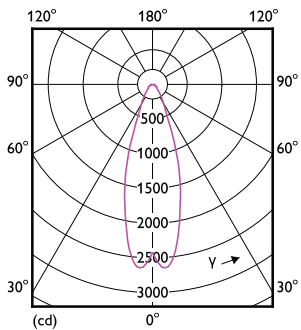
|                                 |   |
|---------------------------------|---|
| Ambient temperature range       | -20 °C to 45 °C                         |
| <b>Product Data</b>             |   |
| Order product name              | MAS LEExpertColor 20-100W 927 AR111 24D |
| Full product name               | MAS LEExpertColor 20-100W 927 AR111 24D |
| Full product code               | 871951444873500                         |
| Order code                      | 929003478608                            |
| Material Nr. (12NC)             | 929003478608                            |
| Numerator - Quantity Per Pack   | 1                                       |
| EAN/UPC - Product/Case          | 8719514448735                           |
| Numerator - Packs per outer box | 6                                       |
| EAN/UPC - Case                  | 8719514448742                           |

## Dimensional drawing

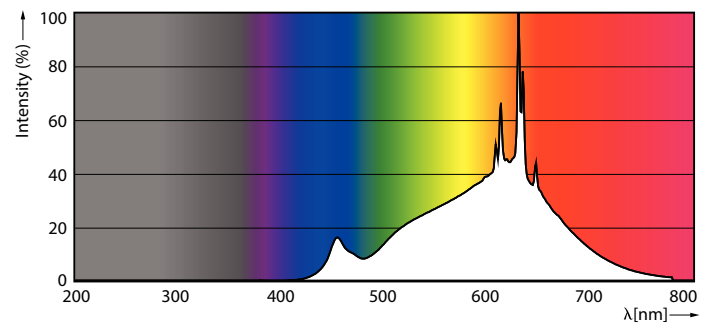


| Product                                 | D      | C     |
|---|--------|-------|
| MAS LEExpertColor 20-100W 927 AR111 24D | 111 mm | 62 mm |

## Photometric data



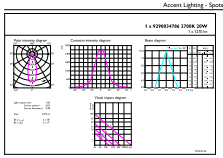
Light Distribution Diagram - MAS LEExpertColor 20-100W 927 AR111 24D



Spectral Power Distribution Colour - MAS LEExpertColor 20-100W 927 AR111 24D

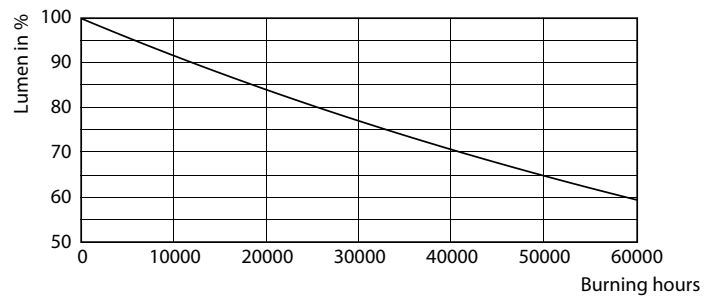
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## Photometric data



Accent Lighting Spots - MAS LEDExpertColor 20-100W 927 AR111 24D

## Lifetime



Life Expectancy Diagram

Lumen Maintenance Diagram - MAS LEDExpertColor 20-100W 927 AR111 24D

