



# MASTER LEDspot LV AR111

## MAS LEDspotLV D 20-100W 827 AR111 40D

Delivering a warm, halogen-like accent beam, MASTER LEDspot LV AR111 is an ideal retrofit solution for spot and general lighting applications in the hospitality and retail industry. It is particularly suitable for general lighting where the light is on all the time, such as creative accent lighting applications in shops, restaurants, hotels, and especially for galleries, exhibitions and museums. The robustly designed MASTER LEDspot LV AR111 offers various beam angles for a clearly defined beam spread. There is no UV or IR in the beam, making it suitable for illuminating heat-sensitive objects (food, organic materials, paintings, etc.). The patented intelligent driver enables broad compatibility with existing electromagnetic and electronic halogen transformers. MASTER LEDspot LV AR111 delivers huge energy savings and minimizes maintenance cost without any reduction in brightness.

### Product data

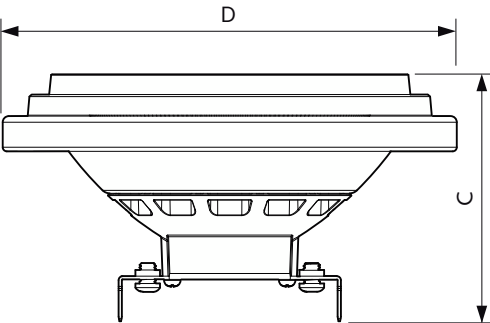
| General Information                |                    | Luminous Efficacy (rated) (Nom)       |  |
|------------------------------------|--------------------|---------------------------------------|--|
| Cap-Base                           | G53 [G53]          | 58.00 lm/W                            |  |
| Nominal lifetime                   | 25,000 hour(s)     | Color Consistency                     |  |
| Switching Cycle                    | 50,000             | <3                                    |  |
| Lighting Technology                | LED                | Color rendering index (CRI)           |  |
| EU RoHS compliant                  | Yes                | 80                                    |  |
| Light Technical                    |                    | LLMF At End Of Nominal Lifetime (Nom) |  |
| Color Code                         | 827 [CCT of 2700K] | 70 %                                  |  |
| Beam Angle (Nom)                   | 40 degree(s)       | Luminous Flux in 90° Cone (Rated)     |  |
| Luminous Flux                      | 1,160 lm           | 1,160 lm                              |  |
| Luminous Intensity (Nom)           | 2,300 cd           | Operating and Electrical              |  |
| Color Designation                  | Warm White (WW)    | Line Frequency                        |  |
| Correlated Color Temperature (Nom) | 2700 K             | - Hz                                  |  |
|                                    |                    | Input Frequency                       |  |
|                                    |                    | - Hz                                  |  |
|                                    |                    | Power Consumption                     |  |
|                                    |                    | 20 W                                  |  |
|                                    |                    | Lamp Current (Nom)                    |  |
|                                    |                    | 2,400 mA                              |  |
|                                    |                    | Wattage Equivalent                    |  |
|                                    |                    | 100 W                                 |  |
|                                    |                    | Starting Time (Nom)                   |  |
|                                    |                    | 0.5 s                                 |  |
|                                    |                    | Warm-up time to 60% light             |  |
|                                    |                    | 0.5 s                                 |  |

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|                               |        |
|-------------------------------|--------|
| Power Factor (Fraction)       | 0.7    |
| Voltage (Nom)                 | 12 V   |
| Temperature                   |        |
| T-Case Maximum (Nom)          | 80 °C  |
| Controls and Dimming          |        |
| Dimmable                      | Yes    |
| Mechanical and Housing        |        |
| Bulb Shape                    | AR111  |
| Approval and Application      |        |
| Suitable For Accent Lighting  | Yes    |
| Energy Consumption kWh/1000 h | 22 kWh |

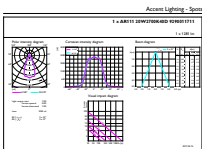
|                                 |                                       |
|---------------------------------|---------------------------------------|
| EyeComfort                      | Yes                                   |
| Product Data                    |                                       |
| Order product name              | MAS LEDspotLV D 20-100W 827 AR111 40D |
| Full product name               | MAS LEDspotLV D 20-100W 827 AR111 40D |
| Full product code               | 871869670745600                       |
| Order code                      | 70745600                              |
| Material Nr. (12NC)             | 929001171102                          |
| Numerator - Quantity Per Pack   | 1                                     |
| EAN/UPC - Product/Case          | 8718696707456                         |
| Numerator - Packs per outer box | 6                                     |
| EAN/UPC - Case                  | 8718696707463                         |

Dimensional drawing



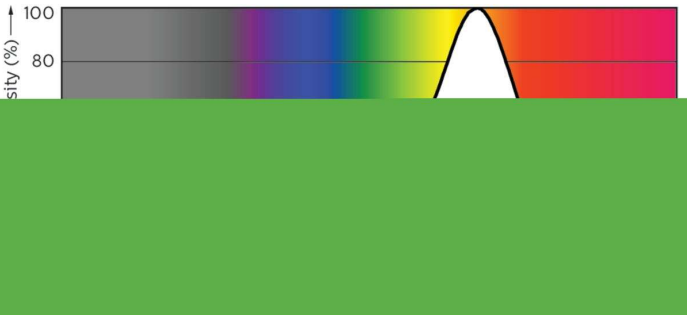
| Product                               | D      | C     |
|---------------------------------------|--------|-------|
| MAS LEDspotLV D 20-100W 827 AR111 40D | 111 mm | 62 mm |

Photometric data



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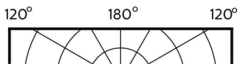
Accent Lighting Spots - MAS LEDspotLV D 20-100W 827 AR111 40D



Spectral Power Distribution Colour - MAS LEDspotLV D 20-100W 827 AR111 40D

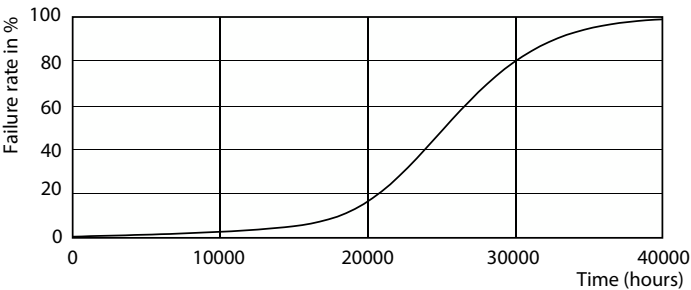
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## Photometric data

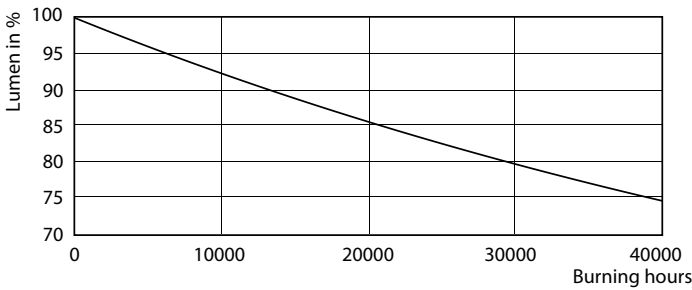


Light Distribution Diagram - MAS LEDspotLV D 20-100W 827 AR111 40D

## Lifetime



Life Expectancy Diagram - MAS LEDspotLV D 20-100W 827 AR111 40D



Lumen Maintenance Diagram - MAS LEDspotLV D 20-100W 827 AR111 40D

