



# MASTER LEDspot ExpertColor AR111



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

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                        |                     |
|--|---------------------|
| Cap-Base                                   | G53 [ G53]          |
| EU RoHS compliant                          | Yes                 |
| Nominal Lifetime (Nom)                     | 25000 h             |
| Switching Cycle                            | 50000X              |
| Technical Type                             | 20-100W             |
| Flux measurement reference                 | Narrow Cone         |
| LLMF At End Of Nominal Lifetime (Nom) 70 % |                     |
| Luminous Flux in 90° Cone (Rated) 1270 lm  |                     |
| Operating and electrical                   |                     |
| Input Frequency                            | 50 to 60 Hz         |
| Power (Nom)                                | 20 W                |
| Lamp Current (Nom)                         | 2000 mA             |
| Wattage Equivalent                         | 100 W               |
| Starting Time (Nom)                        | 0.5 s               |
| Warm Up Time to 60% Light (Nom)            | 0.5 s               |
| Power Factor (Nom)                         | 0.7                 |
| Voltage (Nom)                              | ac electronic 12 V  |
| Temperature                                |                     |
| T-Case Maximum (Nom)                       | 97 °C               |
| Light technical                            |                     |
| Color Code                                 | 927 [ CCT of 2700K] |
| Beam Angle (Nom)                           | 24 °                |
| Luminous Flux (Nom)                        | 1270 lm             |
| Luminous Intensity (Nom)                   | 4300 cd             |
| Color Designation                          | Warm White (WW)     |
| Correlated Color Temperature (Nom)         | 2700 K              |
| Luminous Efficacy (rated) (Nom)            | 63.00 lm/W          |
| Color Consistency                          | <4                  |
| Color Rendering Index (Nom)                | 91                  |

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## Controls and dimming

|          |                            |
|----------|----------------------------|
| Dimmable | Only with specific dimmers |
|----------|----------------------------|

## Mechanical and housing

|             |       |
|-------------|-------|
| Bulb Finish | Clear |
| Bulb Shape  | AR111 |

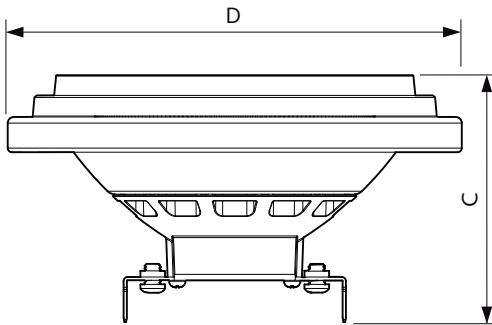
## Approval and application

|                               |        |
|-------------------------------|--------|
| Energy Efficiency Class       | G      |
| Suitable For Accent Lighting  | Yes    |
| Energy Consumption kWh/1000 h | 20 kWh |
| EPREL Registration Number     | 648258 |

## Product data

|                                 |                                       |
|---------------------------------|---------------------------------------|
| Full product code               | 871869970511400                       |
| Order product name              | MAS LEDspotLV D 20-100W 927 AR111 24D |
| EAN/UPC - Product               | 8718699705114                         |
| Order code                      | 929002050302                          |
| Numerator - Quantity Per Pack   | 1                                     |
| Numerator - Packs per outer box | 6                                     |
| Material Nr. (12NC)             | 929002050302                          |
| Copy Net Weight (Piece)         | 0.160 kg                              |

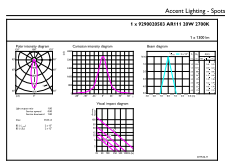
## Dimensional drawing



MAS LEDspotLV D 20-100W 927 AR111 24D

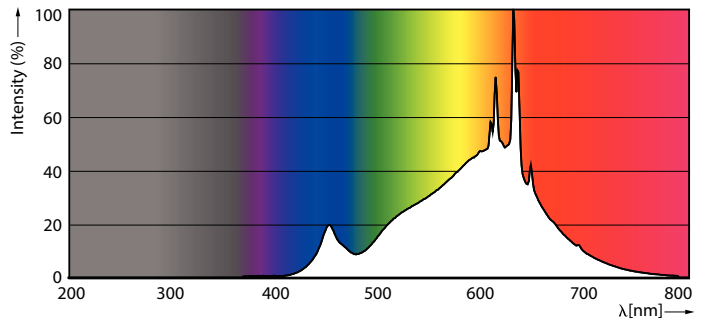
| Product                               | D      | C     |
|---------------------------------------|--------|-------|
| MAS LEDspotLV D 20-100W 927 AR111 24D | 111 mm | 62 mm |

## Photometric data



Calcul Photoradiance 01 Page Lighting LV Page 111

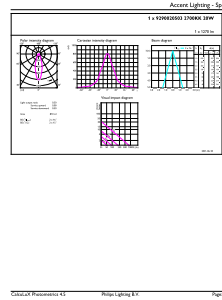
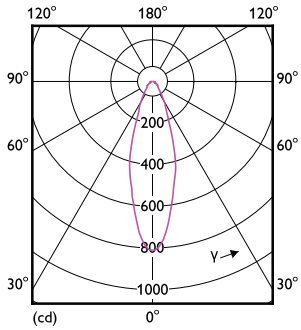
LEDspots 100W G53 AR111 927 24D



LEDspots MAS SLR 20W AR111 G53 927 24D-POC POC

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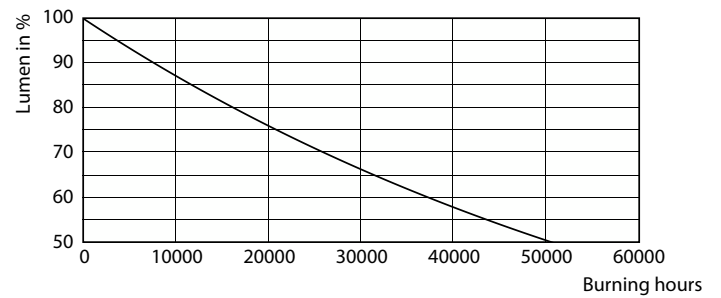
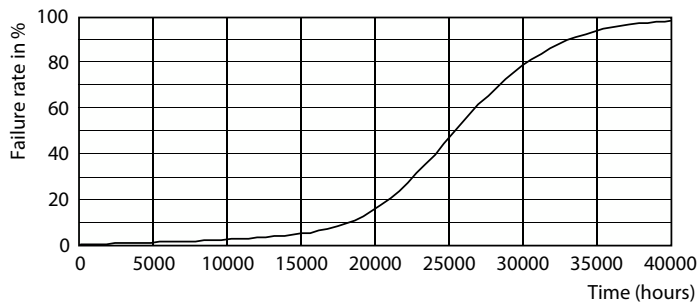
## Photometric data



LEDspots MAS SLR 20W AR111 G53 927 24D-LDD LDD

LEDspots MAS SLR 20W AR111 G53 927 24D-ADL ADL

## Lifetime



Life Expectancy Diagram

Lumen Maintenance Diagram

