



# MASTER LEDspot ExpertColor AR111



## MAS ExpertColor 10.8-50W 927 AR111 40D

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                |
| Nominal lifetime                      | 40,000 hour(s)     |
| Switching Cycle                       | 50,000             |
| Lighting Technology                   | LED                |
| Flux measurement reference            | Narrow Cone        |
| Light Technical                       |                    |
| Color Code                            | 927 [CCT of 2700K] |
| Beam Angle (Nom)                      | 40 degree(s)       |
| Luminous Flux                         | 600 lm             |
| Luminous Intensity (Nom)              | 1,200 cd           |
| Luminous Efficacy (rated) (Nom)       | 55 lm/W            |
| Color Designation                     | Warm White (WW)    |
| Correlated Color Temperature (Nom)    | 2700 K             |
| Color Consistency                     | <4                 |
| Color rendering index (CRI)           | 95                 |
| LLMF At End Of Nominal Lifetime (Nom) | 70 %               |

| Luminous Flux in 90° Cone (Rated)            | 600 lm             |
|--|--------------------|
| Photobiological safety according to EN 62471 | RG1                |
| Operating and Electrical                     |                    |
| Line Frequency                               | 50 to 60 Hz        |
| Input Frequency                              | 50 to 60 Hz        |
| Power Consumption                            | 10.8 W             |
| Lamp Current (Nom)                           | 1,000 mA           |
| Wattage Equivalent                           | 50 W               |
| Starting Time (Nom)                          | 0.5 s              |
| Warm-up time to 60% light                    | 0.5 s              |
| Power Factor (Fraction)                      | 0.7                |
| Voltage (Nom)                                | ac electronic 12 V |
| Temperature                                  |                    |
| T-Case Maximum (Nom)                         | 70 °C              |

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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 | 11 kWh |
| EPREL Registration Number     | 648254 |
| CE mark                       | Yes    |
| EU RoHS compliant             | Yes    |
| EyeComfort                    | Yes    |

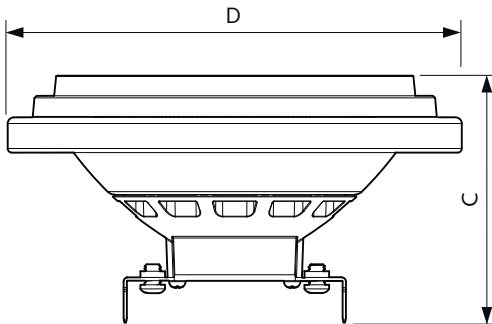
## Application Conditions

|                                     |    |
|-------------------------------------|----|
| can it be used in closed luminaires | No |
|-------------------------------------|----|

## Product Data

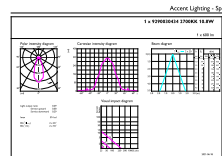
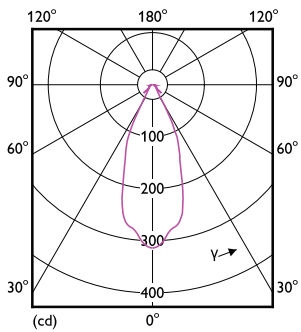
|                                 |  |
|---------------------------------|--|
| Order product name              | MAS ExpertColor 10.8-50W 927 AR111 40D |
| Full product name               | MAS ExpertColor 10.8-50W 927 AR111 40D |
| Full product code               | 871951433395600                        |
| Order code                      | 929003043402                           |
| Material Nr. (12NC)             | 929003043402                           |
| Numerator - Quantity Per Pack   | 1                                      |
| Net Weight (Piece)              | 0.160 kg                               |
| EAN/UPC - Product/Case          | 8719514333956                          |
| Numerator - Packs per outer box | 6                                      |
| EAN/UPC - Case                  | 8719514333963                          |

## Dimensional drawing



| Product                                | D      | C     |
|--|--------|-------|
| MAS ExpertColor 10.8-50W 927 AR111 40D | 111 mm | 61 mm |

## Photometric data

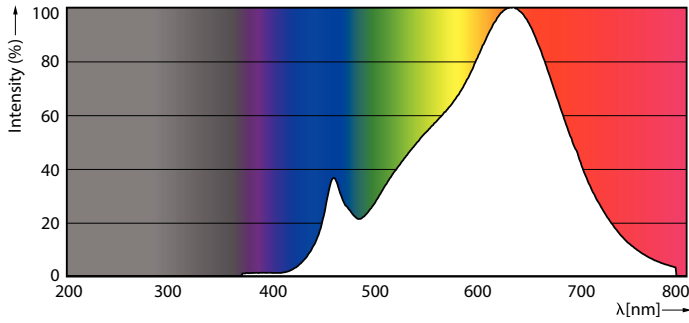


Light Distribution Diagram - MAS ExpertColor 10.8-50W 927 AR111 40D

Accent Lighting Spots - MAS ExpertColor 10.8-50W 927 AR111 40D

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## Photometric data



Spectral Power Distribution Colour - MAS ExpertColor 10.8-50W 927 AR111 40D

## Lifetime



Life Expectancy Diagram



Lumen Maintenance Diagram - MAS ExpertColor 10.8-50W 927 AR111 40D

