PHILIPS

## MAS LED ExpertColor 7.5-43W MR16 927 36D

929003080002




# MASTER, LEDspot, MR16, dimmable, 43 W, GU5.3, 2700 K, 485 lm, CRI 92, 40000 hour(s), Plastic




MASTER, LEDspot, MR16, dimmable, 43 W, GU5.3, 2700 K, 485 lm, CRI 92, 40000 hour(s), Plastic, 64 lm/W, EEL G, PF 0.7, Beam angle 36 degree(s), RG1, IP20

### General Information

| | |
|---|---|
| Cap-Base | GU5.3 |
| Nominal lifetime | 40,000 hour(s) |
| Switching Cycle | 50,000 |
| Lighting Technology | LEDspot |
| Flux measurement reference | Narrow Cone |
| Warranty period | 5 years |

### Light Technical

| | |
|---|---|
| Color Code | 927 [CCT of 2700K] |
| Beam Angle (Nom) | 36 degree(s) |
| Luminous Flux | 485 lm |
| Luminous Intensity (Nom) | 1,400 cd |
| Color Designation | Warm White (WW) |
| Correlated Color Temperature (Nom) | 2700 K |
| Luminous Efficacy (rated) (Nom) | 64 lm/W |
| Color Consistency | <3 |

| | |
|---|---|
| Color rendering index (CRI) | 92 |
| LLMF At End Of Nominal Lifetime (Nom) | 70 % |
| Luminous Flux in 90° Cone (Rated) | 485 lm |
| Photobiological safety according to EN 62471 | RG1 |

## Operating and Electrical

| | |
|---|---|
| Line Frequency | - Hz |
| Input Frequency | - Hz |
| Power Consumption | 7.5 W |
| Lamp Current (Nom) | 720 mA |
| Wattage Equivalent | 43 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) | 93 °C |

## Controls and Dimming

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

## Mechanical and Housing

| | |
|---|---|
| Bulb Finish | Clear |
| Bulb Material | Plastic |
| Bulb Shape | MR16 |
| Net Weight (Piece) | 0.052 kg |

## Approval and Application

| | |
|---|---|
| Energy Efficiency Class | G |
| Suitable For Accent Lighting | Yes |
| Energy Consumption kWh/1000 h | 8 kWh |
| EPREL Registration Number | 624206 |
| CE mark | Yes |
| EU RoHS compliant | Yes |
| EyeComfort | Yes |
| Ambient temperature range | -20 to +45 °C |

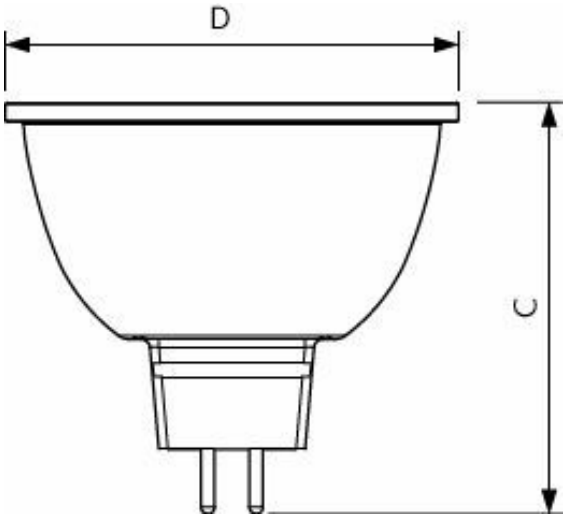
## Application Conditions

| | |
|---|---|
| can it be used in closed luminaires | No |
| Wireless Technology | Not applicable |

## Product Data

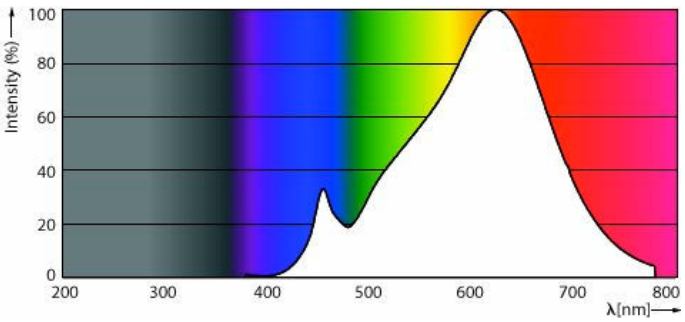
| | |
|---|---|
| Order product name | MAS LED ExpertColor 7.5-43W MR16 927 36D |
| Full product name | MAS LED ExpertColor 7.5-43W MR16 927 36D |
| Full product code | 871951435871300 |
| Order code | 929003080002 |
| Material Nr. (12NC) | 929003080002 |
| Numerator - Quantity Per Pack | 1 |
| EAN/UPC - Product/Case | 8719514358713 |
| Numerator - Packs per outer box | 10 |
| EAN/UPC - Case | 8719514358720 |

## Dimensional drawing

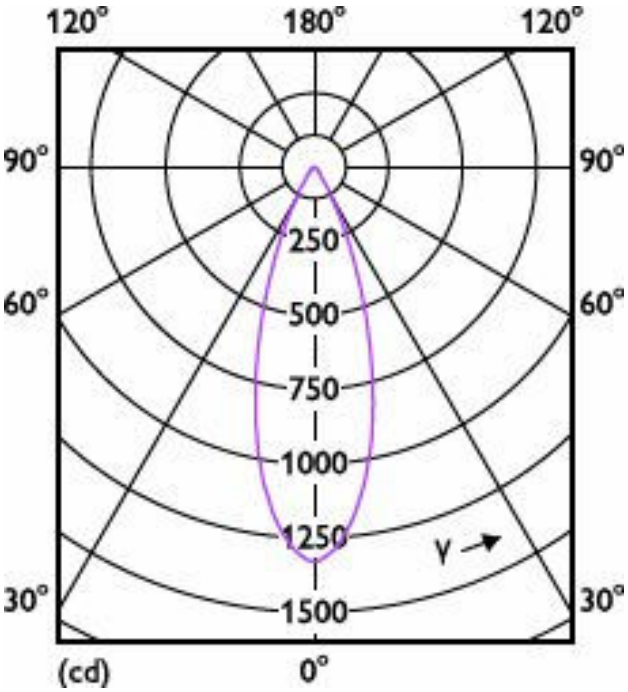



| Product | D | C |
|---|---|---|
| MAS LED ExpertColor 7.5-43W MR16 927 36D | 50.5 mm | 46 mm |

## Photometric data

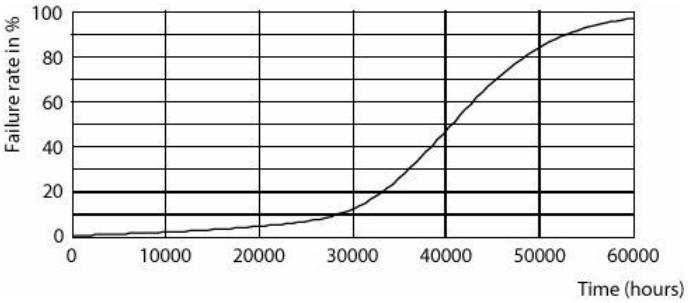



Spectral Power Distribution Colour - MAS LED ExpertColor 7.5-43W MR16 927 36D

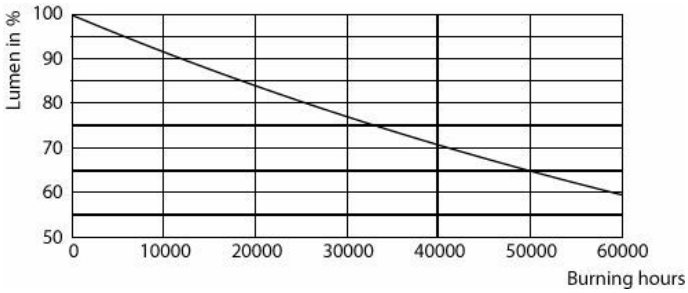



Light Distribution Diagram - MAS LED ExpertColor 7.5-43W MR16 927 36D

## Lifetime




Life Expectancy Diagram




Lumen Maintenance Diagram - MAS LED ExpertColor 7.5-43W MR16 927 36D

## Related Documents

| Documents and certificates | Document Name | Download |
|---|---|---|
| Environmental Product Declaration | Philips-MASTER-LEDspot-ExpertColor-LV-COMF-6568932-Ref-929003076808-EPD.pdf | Download |

| Photometry and lighting design | Document Name | Download |
|---|---|---|
| IES File | LEDspots_MAS_IC_7,5W_MR16_GU5,3_927_36D-IES.IES | Download |

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