



# MASTER VALUE LEDspot MV

## MAS LED spot VLE D 680lm GU10 965 120D

Delivering a warm, halogen-like accent beam, MASTER VALUE is a perfect fit for spot lighting. Thanks to its high CRI, it realizes more natural colors, creating cozy and comfortable ambiances for residential and hospitality projects, and emphasizing the beauty of merchandise in retail. These LED spots MV GU10 have the familiar look and feel of spot lamps, keeping the classic beauty of glass spots and adding the strong performance of LED technology. The dimming function enables you to create the atmosphere you desire, and it works with broad selection of dimmers. MASTER VALUE also offers more energy savings that normal LED spots.

### Warnings and Safety

- Operating temperature range is between -20° C and 45° C ambient
- Only to apply in dry or damp locations and most of open fixtures with lamp-holders that offer sufficient space (10 mm free air space)
- Not intended for use with emergency light fixtures or exit lights

### Product data

| General Information        |                    |
|----------------------------|--------------------|
| Cap-Base                   | GU10               |
| Nominal lifetime           | 25,000 hour(s)     |
| Switching Cycle            | 50,000             |
| Lighting Technology        | LED                |
| Flux measurement reference | Sphere             |
| Light Technical            |                    |
| Color Code                 | 965 [CCT of 6500K] |
| Beam Angle (Nom)           | 120 degree(s)      |
| Luminous Flux              | 680 lm             |

|                                              |               |
|----------------------------------------------|---------------|
| Luminous Intensity (Nom)                     | 220 cd        |
| Color Designation                            | Cool Daylight |
| Correlated Color Temperature (Nom)           | 6500 K        |
| Luminous Efficacy (rated) (Nom)              | 123 lm/W      |
| Color Consistency                            | <6            |
| Color rendering index (CRI)                  | 90            |
| LLMF At End Of Nominal Lifetime (Nom)        | 70 %          |
| Photobiological safety according to EN 62471 | RG1           |

### Operating and Electrical

|                 |             |
|-----------------|-------------|
| Input Frequency | 50 to 60 Hz |
|-----------------|-------------|

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|                           |           |
|---------------------------|-----------|
| Power Consumption         | 5.5 W     |
| Lamp Current (Nom)        | 27 mA     |
| Starting Time (Nom)       | 0.5 s     |
| Warm-up time to 60% light | 0.5 s     |
| Power Factor (Fraction)   | 0.9       |
| Voltage (Nom)             | 220-240 V |

### Temperature

|                      |       |
|----------------------|-------|
| T-Case Maximum (Nom) | 66 °C |
|----------------------|-------|

### Controls and Dimming

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

### Mechanical and Housing

|                    |          |
|--------------------|----------|
| Bulb Finish        | Frosted  |
| Bulb Material      | Glass    |
| Bulb Shape         | PAR16    |
| Net Weight (Piece) | 0.048 kg |

### Approval and Application

|                               |         |
|-------------------------------|---------|
| Energy Efficiency Class       | E       |
| Suitable For Accent Lighting  | No      |
| Energy Consumption kWh/1000 h | 6 kWh   |
| EPREL Registration Number     | 2192979 |
| CE mark                       | Yes     |

|                                                                 |               |
|-----------------------------------------------------------------|---------------|
| EU RoHS compliant                                               | Yes           |
| EyeComfort                                                      | Yes           |
| Flickering value (PstLM) - Flickering value as per EN 61000-3-3 | 1             |
| Stroboscopic effect visibility measure (SVM)                    | 0.4           |
| Ambient temperature range                                       | -20 to +45 °C |

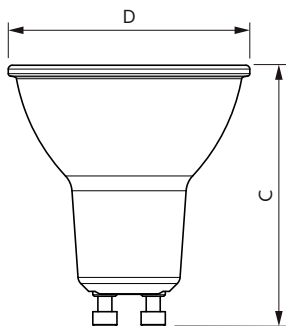
### Application Conditions

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

### Product Data

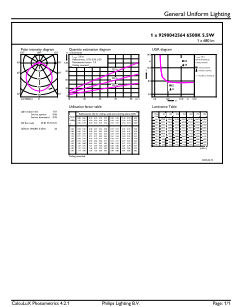
|                                 |                                        |
|---------------------------------|----------------------------------------|
| Order product name              | MAS LED spot VLE D 680lm GU10 965 120D |
| Full product name               | MAS LED spot VLE D 680lm GU10 965 120D |
| Full product code               | 872110303833300                        |
| Order code                      | 929004256402                           |
| Material Nr. (12NC)             | 929004256402                           |
| Numerator - Quantity Per Pack   | 1                                      |
| EAN/UPC - Product/Case          | 8721103038333                          |
| Numerator - Packs per outer box | 10                                     |
| EAN/UPC - Case                  | 8721103038340                          |

### Dimensional drawing

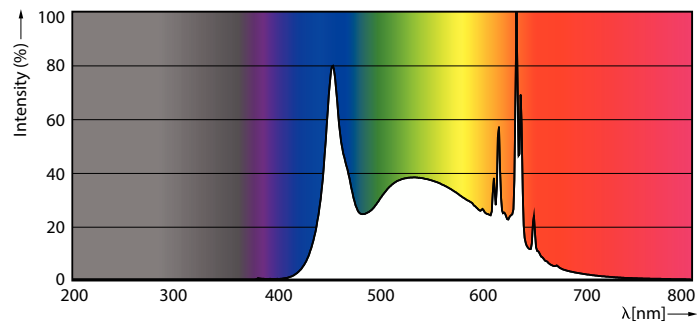


| Product                                | D     | C       |
|----------------------------------------|-------|---------|
| MAS LED spot VLE D 680lm GU10 965 120D | 50 mm | 55.5 mm |

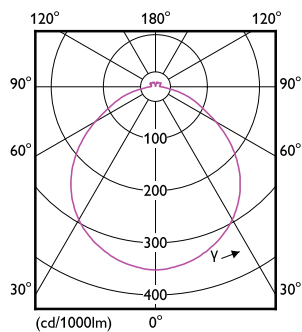
Photometric data



General uniform lighting - MAS LED spot VLE D 680lm GU10 965 120D

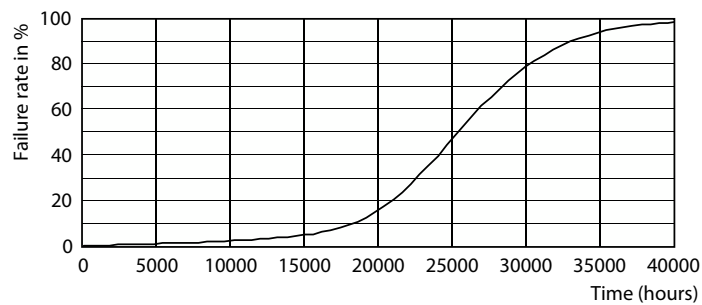


Spectral Power Distribution Colour - MAS LED spot VLE D 680lm GU10 965 120D

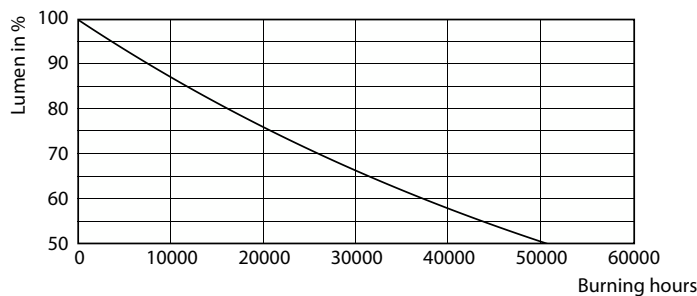


Light Distribution Diagram - MAS LED spot VLE D 680lm GU10 965 120D

Lifetime



Life Expectancy Diagram



Lumen Maintenance Diagram - MAS LED spot VLE D 680lm GU10 965 120D

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