



Your everyday LEDspot MR16

Essential LEDspot MR16

Essential LEDspots MR16 are compatible with most existing fixtures with a GU5.3 socket and are designed as a retrofit replacement for halogen spots. Essential LEDspots MR16 deliver significant energy savings and minimize initial investment.

Benefits

- Up to 90% energy saving compared with traditional halogen lamps
- Lower maintenance costs
- Low initial investment

Features

- Easy retrofit
- Lifetime up to 15,000 hours
- Non-dimmable
- UV- and IR-free light

Application

- Hotels, restaurants, bars, cafés, shops
- Lobbies, corridors, stairwells, washrooms, reception areas

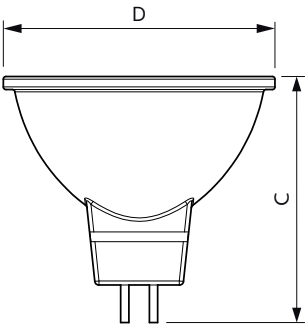
Essential LEDspot MR16

Versions



5W (50W) GU5.3 cap Warm white
Spot - RFT

Dimensional drawing



| Product | D | C |
|--|---------|---------|
| 5W (50W) GU5.3 cap Cool daylight Non-dimmable Spot | 50 mm | 46 mm |
| 5W (50W) GU5.3 cap Warm white Non-dimmable Spot | 50 mm | 46 mm |
| ESS LED MR16 3-35W 36D 830 SO 100-240V | 50.5 mm | 46.5 mm |
| ESS LED MR16 4.5-50W 36D 830 100-240V | 50.5 mm | 46.5 mm |
| ESS LED MR16 4.5-50W 36D 830 SO 100-240V | 50.5 mm | 46.5 mm |
| ESS LED MR16 4.5-50W 36D 865 SO 100-240V | 50.5 mm | 46.5 mm |
| ESS LED MR16 4.5-50W 36D 865 SO 100-240V | 50.5 mm | 46.5 mm |

| General Information | |
|---------------------------------------|----------------|
| Cap-Base | GU5.3 |
| Switching Cycle | 50,000 |
| Nominal lifetime | 15,000 hour(s) |
| Light Technical | |
| Color rendering index (CRI) | 80 |
| LLMF At End Of Nominal Lifetime (Nom) | 70 % |
| Operating and Electrical | |
| Starting Time (Nom) | 0.5 s |
| Controls and Dimming | |
| Dimmable | No |
| Mechanical and Housing | |
| Bulb Shape | MR16 |

| Order Code | Full Product Name | Rated Lifetime (Hours) |
|--------------|--|------------------------|
| 929001240108 | 5W (50W) GU5.3 cap Warm white Non-dimmable Spot | 15,000 hour(s) |
| 929001240208 | 5W (50W) GU5.3 cap Cool daylight Non-dimmable Spot | 15,000 hour(s) |
| 929001874008 | ESS LED MR16 4.5-50W 36D 830 SO 100-240V | - |
| 929001874068 | ESS LED MR16 4.5-50W 36D 830 100-240V | - |
| 929001874108 | ESS LED MR16 4.5-50W 36D 865 SO 100-240V | - |
| 929001874112 | ESS LED MR16 4.5-50W 36D 865 SO 100-240V | - |
| 929001874208 | ESS LED MR16 3-35W 36D 830 SO 100-240V | - |

Light Technical (1/2)

Essential LEDspot MR16

| Order Code | Full Product Name | Beam Angle (Nom) | Correlated Color Temperature (Nom) | | |
|--------------|--|------------------|------------------------------------|---------------|--------|
| | | | Color Code | Luminous Flux | |
| 929001240108 | 5W (50W) GU5.3 cap Warm white Non-dimmable Spot | 24 degree(s) | 2700 K | 827 | 400 lm |
| | | | | | |
| | | | | | |
| | | | | | |
| 929001240208 | 5W (50W) GU5.3 cap Cool daylight Non-dimmable Spot | 24 degree(s) | 6500 K | 865 | 435 lm |
| | | | | | |
| | | | | | |
| | | | | | |
| 929001874008 | ESS LED MR16 4.5-50W 36D 830 SO 100-240V | 36 degree(s) | 3000 K | 830 | 400 lm |
| | | | | | |
| | | | | | |
| | | | | | |
| 929001874068 | ESS LED MR16 4.5-50W 36D 830 100-240V | 36 degree(s) | 3000 K | 830 | 400 lm |
| | | | | | |
| | | | | | |
| | | | | | |

Light Technical (2/2)

| Order Code | Full Product Name | Luminous Intensity (Nom) |
|--------------|--|--------------------------|
| 929001240108 | 5W (50W) GU5.3 cap Warm white Non-dimmable Spot | 1,700 cd |
| 929001240208 | 5W (50W) GU5.3 cap Cool daylight Non-dimmable Spot | 1,700 cd |
| 929001874008 | ESS LED MR16 4.5-50W 36D 830 SO 100-240V | 700 cd |

Operating and Electrical

| Order Code | Full Product Name | Input Frequency | Line Frequency | Power Consumption | Wattage Equivalent |
|--------------|--|-----------------|----------------|-------------------|--------------------|
| 929001240108 | 5W (50W) GU5.3 cap Warm white Non-dimmable Spot | - Hz | - Hz | 5 W | 50 W |
| | | | | | |
| | | | | | |
| | | | | | |
| 929001240208 | 5W (50W) GU5.3 cap Cool daylight Non-dimmable Spot | - Hz | - Hz | 5 W | 50 W |
| | | | | | |
| | | | | | |
| | | | | | |
| 929001874008 | ESS LED MR16 4.5-50W 36D 830 SO 100-240V | 50 to 60 Hz | 50 to 60 Hz | 4.5 W | 50 W |
| | | | | | |
| | | | | | |
| | | | | | |
| 929001874068 | ESS LED MR16 | 50 to 60 Hz | 50 to 60 Hz | 4.5 W | 50 W |
| | | | | | |
| | | | | | |
| | | | | | |

| Order Code | Full Product Name | Beam Angle (Nom) | Correlated Color Temperature (Nom) | | |
|--------------|--|------------------|------------------------------------|---------------|--------|
| | | | Color Code | Luminous Flux | |
| 929001874108 | ESS LED MR16 4.5-50W 36D 865 SO 100-240V | 36 degree(s) | 6500 K | 865 | 400 lm |
| | | | | | |
| | | | | | |
| | | | | | |
| 929001874112 | ESS LED MR16 4.5-50W 36D 865 SO 100-240V | 36 degree(s) | 6500 K | 865 | 400 lm |
| | | | | | |
| | | | | | |
| | | | | | |
| 929001874208 | ESS LED MR16 3-35W 36D 830 SO 100-240V | 36 degree(s) | 3000 K | 830 | 230 lm |
| | | | | | |
| | | | | | |
| | | | | | |

| Order Code | Full Product Name | Luminous Intensity (Nom) |
|--------------|--|--------------------------|
| 929001874068 | ESS LED MR16 4.5-50W 36D 830 100-240V | 700 cd |
| 929001874108 | ESS LED MR16 4.5-50W 36D 865 SO 100-240V | 700 cd |
| 929001874112 | ESS LED MR16 4.5-50W 36D 865 SO 100-240V | 700 cd |
| 929001874208 | ESS LED MR16 3-35W 36D 830 SO 100-240V | 550 cd |

| Order Code | Full Product Name | Input Frequency | Line Frequency | Power Consumption | Wattage Equivalent |
|--------------|--|-----------------|----------------|-------------------|--------------------|
| 929001874108 | ESS LED MR16 4.5-50W 36D 865 SO 100-240V | 50 to 60 Hz | 50 to 60 Hz | 4.5 W | 50 W |
| | | | | | |
| | | | | | |
| | | | | | |
| 929001874112 | ESS LED MR16 4.5-50W 36D 865 SO 100-240V | 50 to 60 Hz | 50 to 60 Hz | 4.5 W | 50 W |
| | | | | | |
| | | | | | |
| | | | | | |
| 929001874208 | ESS LED MR16 3-35W 36D 830 SO 100-240V | 50 to 60 Hz | 50 to 60 Hz | 3 W | 35 W |
| | | | | | |
| | | | | | |
| | | | | | |

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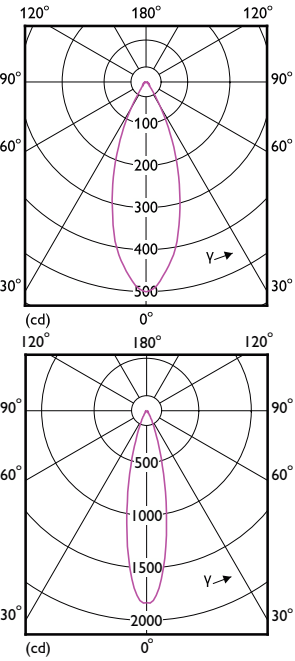
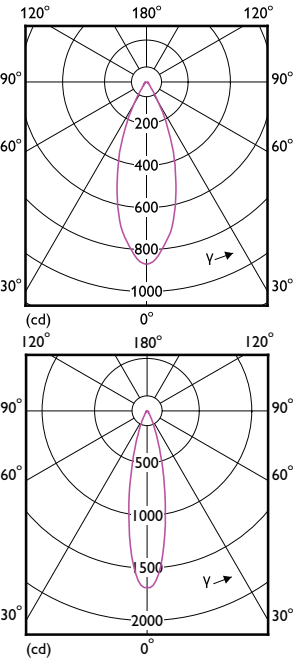
Temperature

| Order Code | Full Product Name | T-Case Maximum (Nom) |
|--------------|--|----------------------|
| 929001240108 | 5W (50W) GU5.3 cap Warm white Non-dimmable Spot | 76 °C |
| 929001240208 | 5W (50W) GU5.3 cap Cool daylight Non-dimmable Spot | 76 °C |
| 929001874008 | ESS LED MR16 4.5-50W 36D 830 SO 100-240V | 65 °C |

| Order Code | Full Product Name | T-Case Maximum (Nom) |
|--------------|--|----------------------|
| 929001874068 | ESS LED MR16 4.5-50W 36D 830 100-240V | 65 °C |
| 929001874108 | ESS LED MR16 4.5-50W 36D 865 SO 100-240V | 65 °C |
| 929001874112 | ESS LED MR16 4.5-50W 36D 865 SO 100-240V | 65 °C |
| 929001874208 | ESS LED MR16 3-35W 36D 830 SO 100-240V | 55 °C |

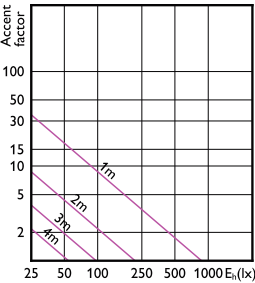
Approval and Application

| Order Code | Full Product Name | Energy Consumption kWh/1000 h |
|--------------|--|-------------------------------|
| 929001240108 | 5W (50W) GU5.3 cap Warm white Non-dimmable Spot | - |
| 929001240208 | 5W (50W) GU5.3 cap Cool daylight Non-dimmable Spot | - |
| 929001874008 | ESS LED MR16 4.5-50W 36D 830 SO 100-240V | 4.5 kWh |
| 929001874068 | ESS LED MR16 4.5-50W 36D 830 100-240V | - |
| 929001874108 | ESS LED MR16 4.5-50W 36D 865 SO 100-240V | 4.5 kWh |
| 929001874112 | ESS LED MR16 4.5-50W 36D 865 SO 100-240V | - |
| 929001874208 | ESS LED MR16 3-35W 36D 830 SO 100-240V | 3 kWh |

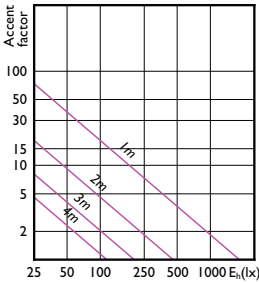


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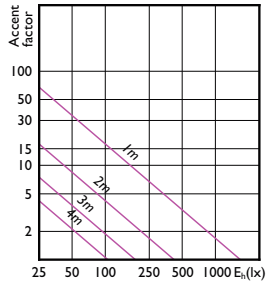
Accent Diagrams



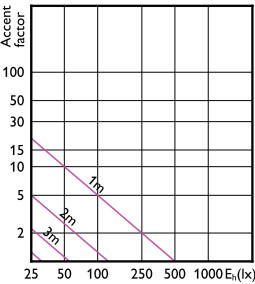
Accent Diagram - ESS LED MR16 4.5-50W 36D 865 SO 100-240V



Accent Diagram - Essential LED 5-50W 6500K MR16 24D

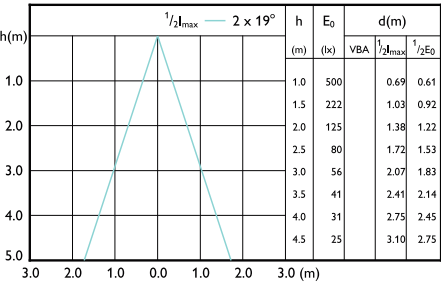


Accent Diagram - Essential LED 5-50W 2700K MR16 24D

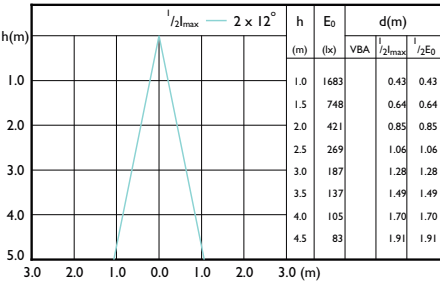


Accent Diagram - ESS LED MR16 3-35W 36D 830 SO 100-240V

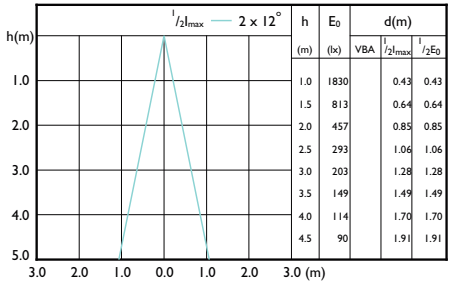
Beam Diagrams



Beam diagram - ESS LED MR16 3-35W 36D 830 SO 100-240V



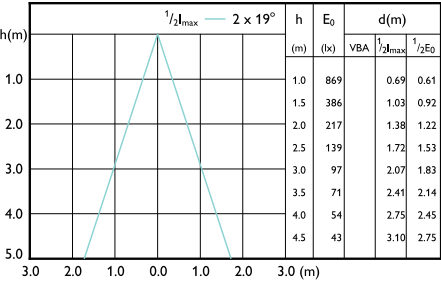
Beam diagram - Essential LED 5-50W 2700K MR16 24D



Beam diagram - Essential LED 5-50W 6500K MR16 24D

Essential LEDspot MR16

Beam Diagrams



Beam diagram - ESS LED MR16 4.5-50W 36D
865 SO 100-240V

