

Features

- Designed as a direct retrofit to most MR16 lighting fixtures
- Low power consumption - 5W Multichips Array MR16 LED lamp to replace 35W of halogen lamp
- Long life. 50,000 hours rated life to 70% of initial light output
- Unique thermal system. It's effective to keep LED junction temperature below 90° C, with only 63° C of housing temperature
- Unique design and well matched one piece reflector, it delivers even or spot light effects
- Leading Multichips Array LED System by Sharp, Japan
- Excellent color rendering: CRI - 82, R9 reach 20, with warm white and neutral white
- Dimmable and non-dimmable are available
- RoHS compliant
- UV and IR free



Description

Luminux is proud to present you the Maxim MR16 LED lamp. With most advanced SHARP Multichips Array LED System inside and our cutting-edge optic reflector design, the Maxim MR16 LED lamp is the best replacement for the 35W Halogen MR16 lamps. The Maxim MR16 LED lamp consumes only 5W of power and the total light output is up to 500 lumen.

Product Offering

| Item | Dimmable | Wattage | Input Voltage | Color Temperature |
|--------------|----------|---------|---------------|----------------------------|
| Maxim 5W | No | 5W | 12VAC/DC | 2700K, 3000K, 4000K, 5000K |
| Maxim 5W DIM | Yes | 5W | 12VAC/DC | 2700K, 3000K, 4000K, 5000K |

- Beam Angle selection: 36° reflector
- CCT range selection: 2700K, 3000K, 4000K, 5000K
- Housing finish: White Housing and Silver Reflector
- Sharp Japan Zenigata Power LED inside

Application Information

Applications

- Tracking lighting
- Spot lighting
- Display and cabinet lighting
- Architectural lighting
- Art gallery and museum
- Industrial and commercial area lighting

Notes

- Operating temperature range between -20°C and +40°C (-4°F and +104°F)
- For used in dry indoor only
- Non dimmable is not for use with dimmers or in luminaries controlled by a dimmer
- Not for use where exposed to weather
- Not for use in totally enclosed recessed fixtures
- Not intended for use with emergency exit fixtures or emergency lights
- Do not look into the light directly

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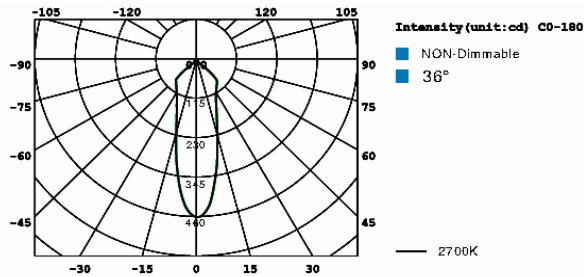


Performance Summary

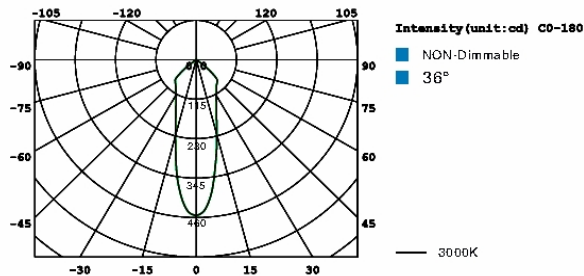
| Item | Dimmable | Nominal | | | Lumen Output | Beam Angle | CRI | Efficiency | Housing Temperature |
|--------------|----------|---------|---------------|-------|--------------|------------|-----|------------|---------------------|
| | | Wattage | Input Voltage | CCT | | | | | |
| Maxim 5W | No | 5W | 12VAC/DC | 2700K | 460 | 36° | 82 | 83% | 63°C |
| Maxim 5W | No | 5W | 12VAC/DC | 5000K | 500 | 36° | 82 | 83% | 63°C |
| Maxim 5W Dim | Yes | 5W | 12VAC/DC | 2700K | 377 | 36° | 82 | 83% | 63°C |
| Maxim 5W Dim | Yes | 5W | 12VAC/DC | 5000K | 425 | 36° | 82 | 83% | 63°C |

Note: All specifications @ 25°C ambient condition

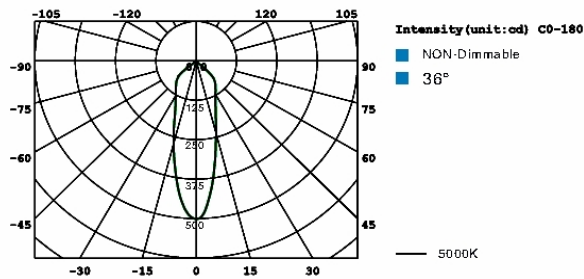
Photometrics (Maxim 5W)



| Beam Angle 36 Deg | CCT | Distance(m) | | |
|-------------------|-------|--------------|-------------------|----------|
| | | Avg./Nadir E | Diameter (cm) | |
| | 2700K | 0.5m | 1226.85/1815.65lx | 26.79cm |
| | | 1.0m | 306.71/453.91lx | 53.59cm |
| | | 1.5m | | |
| | | 2.0m | 76.68/113.48lx | 107.18cm |
| | | 3.0m | 34.08/50.43lx | 160.77cm |



| Beam Angle 36 Deg | CCT | Distance(m) | | |
|-------------------|-------|--------------|-------------------|----------|
| | | Avg./Nadir E | Diameter (cm) | |
| | 3000K | 0.5m | 1216.21/1813.22lx | 26.89cm |
| | | 1.0m | 304.05/453.30lx | 53.78cm |
| | | 1.5m | 135.13/201.47lx | 80.67cm |
| | | 2.0m | 76.01/113.33lx | 107.55cm |
| | | 3.0m | 33.78/50.37lx | 161.33cm |



| Beam Angle 36 Deg | CCT | Distance(m) | | |
|-------------------|-------|--------------|-------------------|----------|
| | | Avg./Nadir E | Diameter (cm) | |
| | 5000K | 0.5m | 1317.75/1989.12lx | 27.36cm |
| | | 1.0m | 329.44/497.28lx | 54.71cm |
| | | 1.5m | 146.42/221.01lx | 82.07cm |
| | | 2.0m | 82.36/124.32lx | 109.43cm |
| | | 3.0m | 36.60/55.25lx | 164.14cm |

Dimension

| Lamp Type | Diameter | Height | Weight (g) |
|------------|----------|--------|------------|
| Maxim MR16 | 50 | 53 | 45 |

