

V5 MR16



ALLED® **Asteria** Series

Specification Sheet

Product Introduction

ASTERIA is a minor planet that orbits the Sun, and also considered in the Greek Mythology as the Amazon that defeat the all mighty Heracles. ALT's ASTERIA can be presented as a strong, smart and efficient light bulb. ALT's Asteria MR16 series guarantees the outstanding efficiency and quality of High Power Products. All these make our MR16 products ideal for general business and decorative lighting purpose, including shop Lighting, Hotel lighting, and Commercial Applications. You can simply install it within the showcase of the boutique, and add up bonus for the display. Also, Asteria MR16 series can easily and smartly help you lessen energy consumption up to 90%, it will enhance your business profitability and help the environment to flourish. Asteria MR16 series certainly be the product to create a more beautiful and efficient world.

Certificates



Awards



reddot design award
product design 2011



Features

- ✓ Elegant, rich and long-lasting lighting output ideal for Interior design.
- ✓ High density aluminum increase heat dissipation.
- ✓ Up to 90% energy saving compared to standard halogen lamp.

Application

- ✓ Shop Lighting
- ✓ Commercial Lighting
- ✓ Boutique Lighting
- ✓ Illumination Lighting
- ✓ Hotel Lighting



Specifications

| Item | Specification | Details |
|---|---------------------------------|--|
| Output | Beam Angle | 25°, 38°, 45°, 50°, 60°, 90°, 100°, 120°, 135° |
| | Colour Range | TW / NW / WW |
| | Lumen Maintenance | 30,000+ hours |
| Electrical | Input Voltage | 12V AC/DC or 100 ~ 240V AC |
| | Power Consumption | 7 Watts |
| Physical | Bases | · GX 5.3 / GU 5.3 |
| | | · E26 / 24 (US) |
| | | · E26 / 27 (EURO) |
| | | · GU10 / GZ 10 |
| | | · EZ10 |
| | | · E11 |
| | | · E12 |
| | | · E14 |
| · E17 | | |
| · B22D | | |
| · BA15D | | |
| · BA15S | | |
| Weight | 0.88 ~ 1.69 oz. (25 ~ 48 g) | |
| Lens | Optics PMMA | |
| Operating Temperature | -4° F to 104° F (-20°C to 40°C) | |
| Humidity | 0 – 95%, non-condensing | |
| Certification and Safety | Certifications | UL, CE, FCC, TÜV, C-Tick, LVD, RoHS, Laser Testing, KC Mark, REACH |
| | Environment | Not for use in totally enclosed fixtures Suitable for damp location |
| | Warranty | 3 years |
| Two Million Worldwide Product Liability Insurance. | | |

Chipset Luminous Flux

| Chipsets | | CREE XB-D |
|-------------------|--------|--------------------------------------|
| Power Consumption | | 7W |
| Beam Angle | 10% | 38° / 60° / 90° / 100° / 120° / 135° |
| True White | CRI 70 | 720 lm |
| Natural White | CRI 80 | 590 lm |
| Warm White | CRI 80 | 520 lm |

| Chipsets | | LUXEON Rebel ES |
|-------------------|--------|-----------------|
| Power Consumption | | 7W |
| Beam Angle | 10% | 45° / 60° |
| True White | CRI 80 | 720 lm |
| Natural White | CRI 80 | 590 lm |
| Warm White | CRI 80 | 520 lm |
| | CRI 90 | 400 lm |

| Chipsets | | OSRAM OSOLON SSL 150 LED |
|-------------------|--------|--------------------------|
| Power Consumption | | 7W |
| Beam Angle | 10% | 25° / 38° / 45° / 120° |
| True White | CRI 70 | 720 lm |
| Natural White | CRI 82 | 590 lm |
| | CRI 95 | 520 lm |
| Warm White | CRI 82 | 520 lm |
| | CRI 95 | 400 lm |

| Chipsets | | LUXEON 3535-2D |
|-------------------|--------|-------------------------------|
| Power Consumption | | 7W |
| Beam Angle | 10% | 38° / 50° / 90° / 100° / 135° |
| True White | CRI 80 | 680 lm |
| Natural White | CRI 80 | 590 lm |
| Warm White | CRI 80 | 520 lm |

※All Chipset Luminous Flux Data are indicated in max values.

Optical Characteristics

Dominant Wavelength (nm) or Colour Temperature (K)

CREE LED Chips

| Correlated Colour Temperature | Min. | Typ. | Max. |
|-------------------------------|-------|-------|--------|
| True White | 4500K | 6500K | 10000K |
| Natural White | 3500K | 4100K | 4500K |
| Warm White | 2540K | 3100K | 3500K |

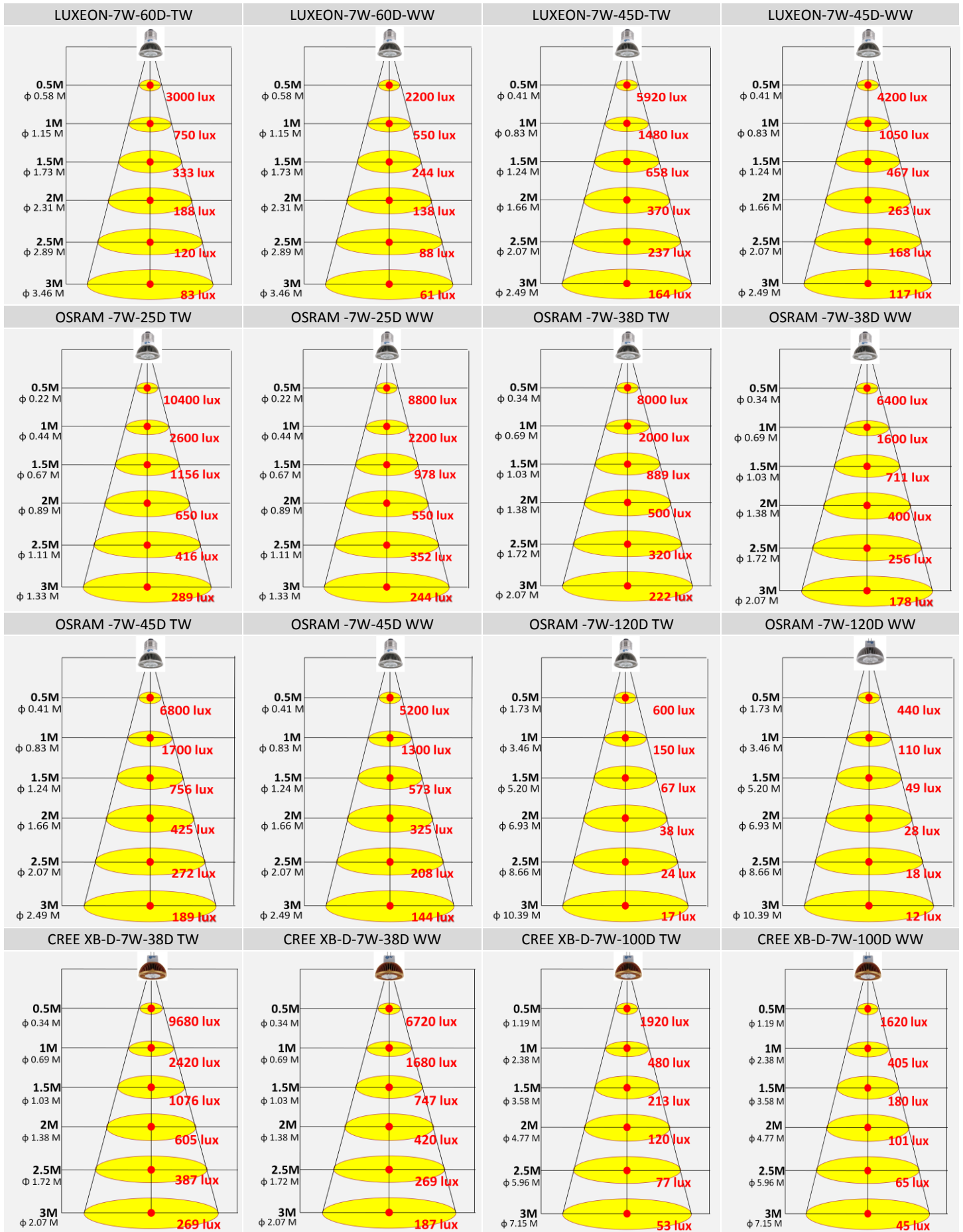
LUXEON LED Chips

| Correlated Colour Temperature | Min. | Typ. | Max. |
|-------------------------------|-------|-------|--------|
| True White | 4500K | 5650K | 10000K |
| Natural White | 3500K | 4100K | 4500K |
| Warm White | 2540K | 3100K | 3500K |

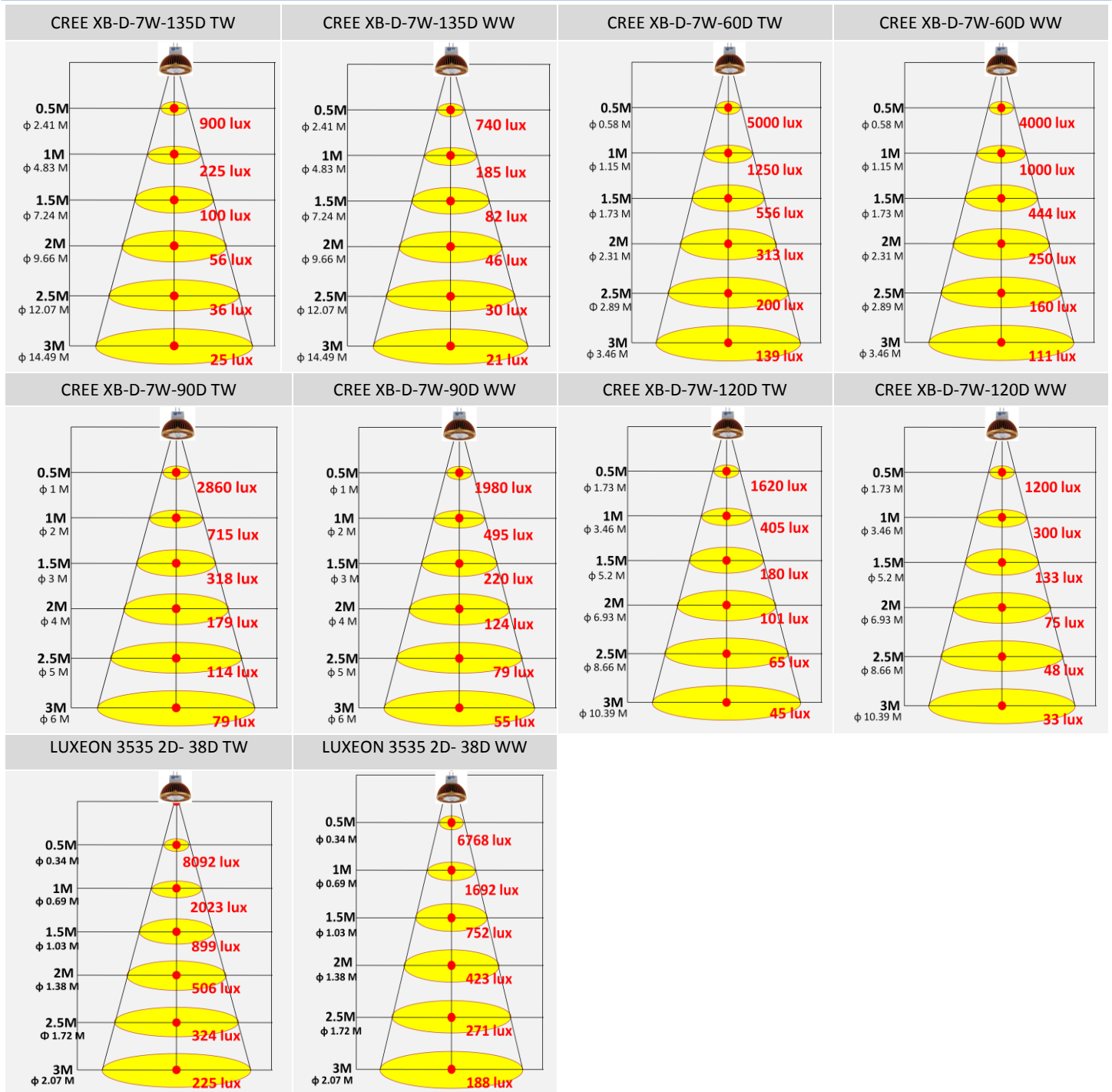
OSRAM LED Chips

| Correlated Colour Temperature | Min. | Typ. | Max. |
|-------------------------------|-------|-------|-------|
| True White | 5000K | 6000K | 7000K |
| Natural White | 3500K | 4000K | 5000K |
| Warm White | 2700K | 3000K | 3500K |

Illuminance at Distance

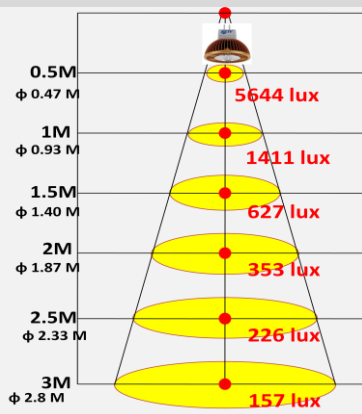


Illuminance at Distance

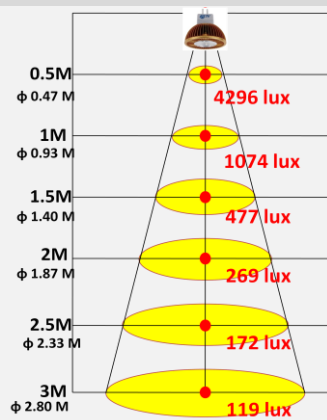


Illuminance at Distance

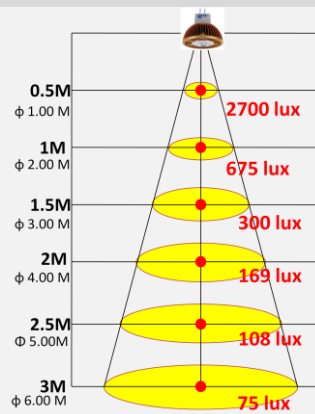
LUXEON 3535 2D- 50D TW



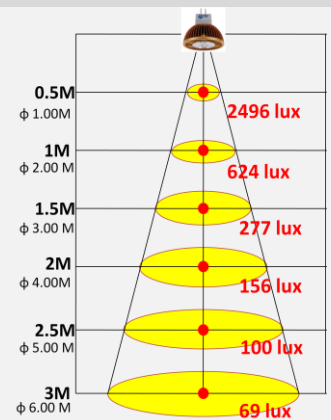
LUXEON 3535 2D- 50D WW



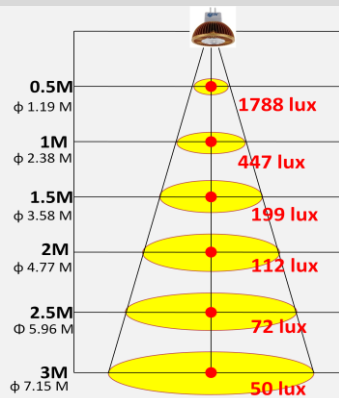
LUXEON 3535 2D- 90D TW



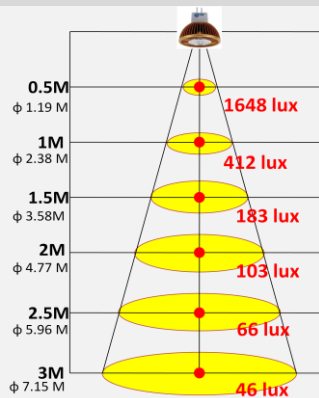
LUXEON 3535 2D- 90D WW



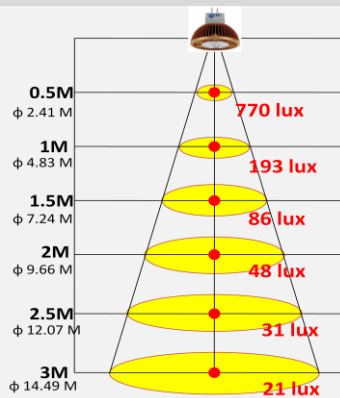
LUXEON 3535 2D- 100D TW



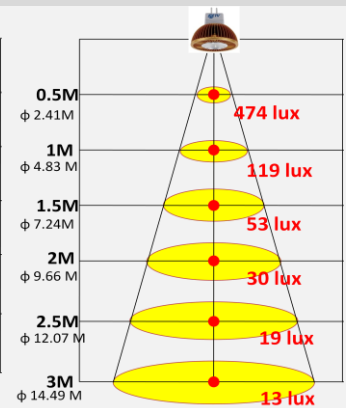
LUXEON 3535 2D- 100D WW



LUXEON 3535 2D- 135D TW



LUXEON 3535 2D- 135D WW



Mechanical Dimensions

Design GX5.3 / GU 5.3



Design E26/24 (US)



Design E26 / 27 (EURO)



Design GU10/GZ10



Design E11



Design E14 (US)



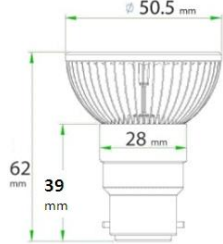
Design E14 (EURO)



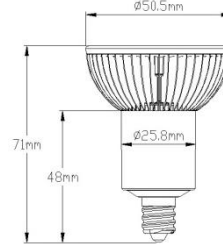
Design E17



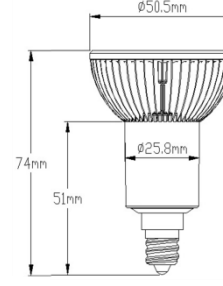
Design B22D



Design E12 (US)



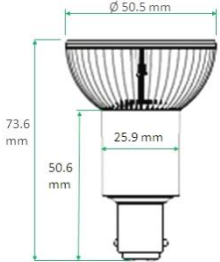
Design E12 (EURO)



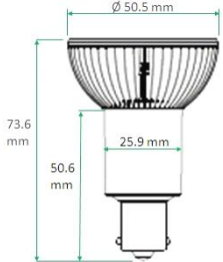
Design E210



Design BA15D



Design BA15S



M01 Fixture



M02 Fixture

