

V5 MR16



# ALTLED® **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



### 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	10°, 20°, 25°, 40°, 50°, 60°, 100°, 120°		
	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	<ul style="list-style-type: none"> <li>· GX 5.3 / GU 5.3</li> <li>· E26 / 24 (US)</li> <li>· E26 / 27 (EURO)</li> <li>· GU10 / GZ10</li> <li>· E210</li> <li>· E11</li> <li>· E12</li> <li>· E14</li> <li>· E17</li> <li>· B22D</li> <li>· BA15D</li> <li>· BA15S</li> </ul>		
		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
		<b>Two Million Worldwide Product Liability Insurance.</b>		

## Lamp Luminous Flux

Chipsets	CREE XB-D	
Power Consumption	7W	
Beam Angle	50%	20° / 25° / 40° / 50° / 60° / 120°
True White	CRI 70	470 lm
Natural White	CRI 80	415 lm
Warm White	CRI 80	360 lm

Chipsets	LUXEON Rebel ES	
Power Consumption	7W	
CRI	80	
Beam Angle	50%	25° / 30°
True White	CRI 80	410 lm
Natural White	CRI 80	380 lm
Warm White	CRI 80	340 lm
	CRI 90	275 lm

Chipsets	OSRAM OSOLON SSL 150 LED	
Power Consumption	7W	
Beam Angle	50%	10° / 25° / 100°
True White	CRI 70	410 lm
Natural White	CRI 82	350 lm
	CRI 95	300 lm
Warm White	CRI 82	300 lm
	CRI 95	275 lm

Chipsets	LUXEON 3030 2D	
Power Consumption	7W	
Beam Angle	50%	20° / 25° / 40° / 60° / 100°
True White	CRI 80	490 lm
Natural White	CRI 80	490 lm
Warm White	CRI 80	450 lm

※All Lamp 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

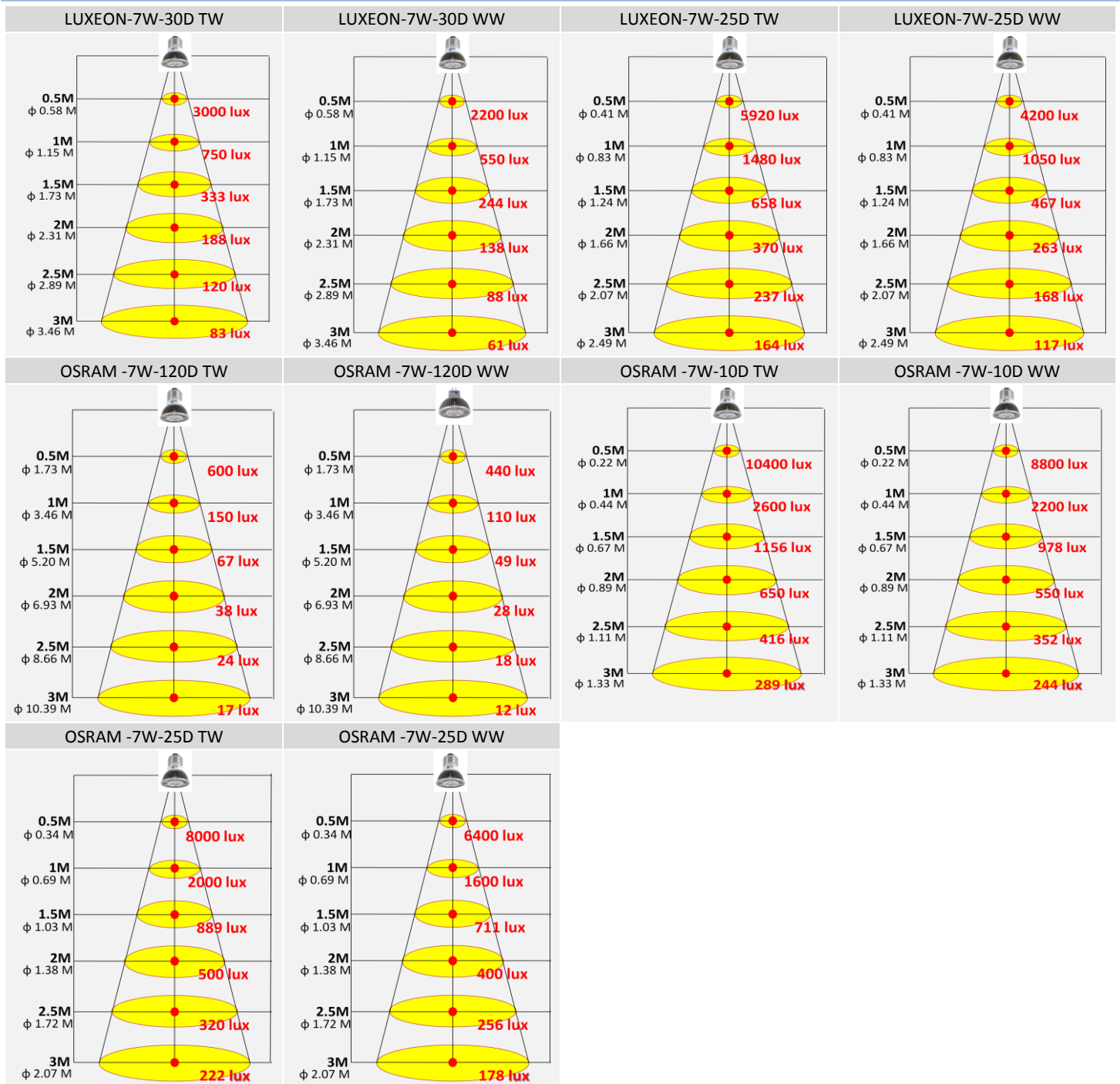
### LUXEON LED Chips

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

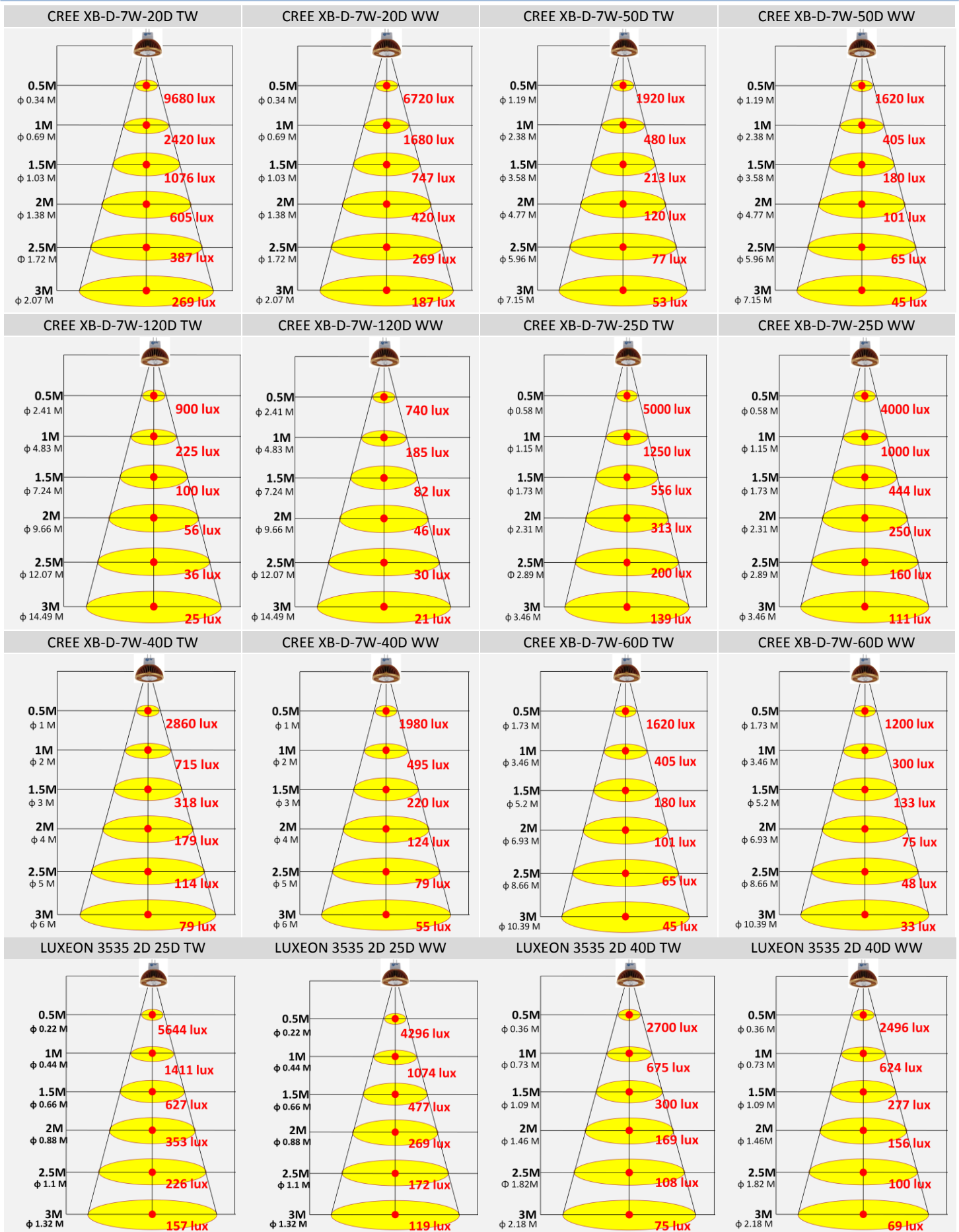
### OSRAM LED Chips

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

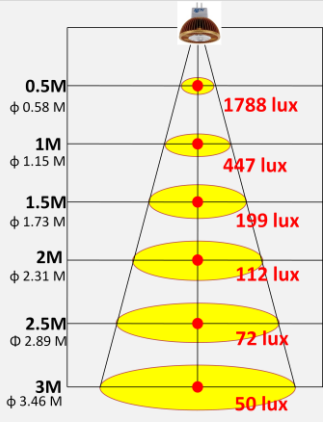
# Illuminance at Distance



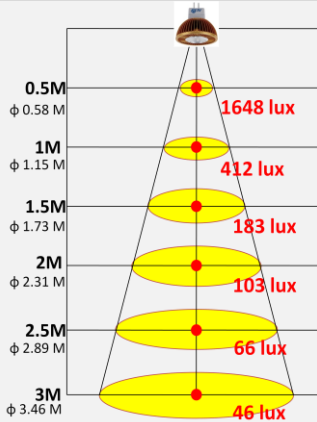
# Illuminance at Distance



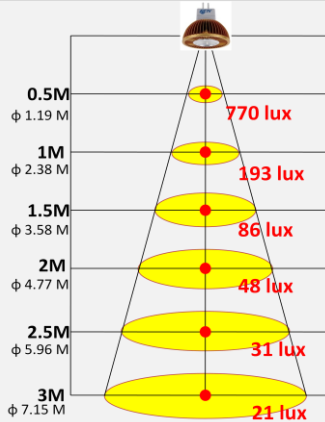
LUXEON 3535 2D 60D TW



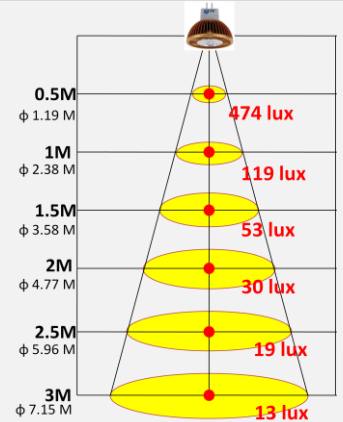
LUXEON 3535 2D 60D WW



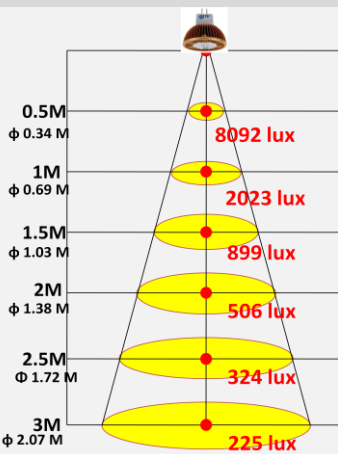
LUXEON 3535 2D 100D TW



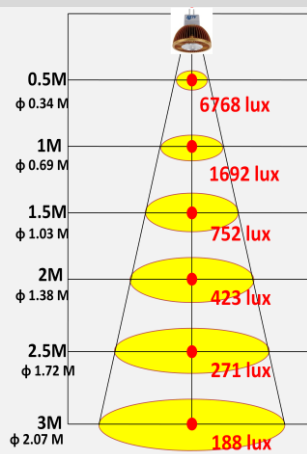
LUXEON 3535 2D 100D WW



LUXEON 3535 2D- 20D TW



LUXEON 3535 2D- 20D 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)



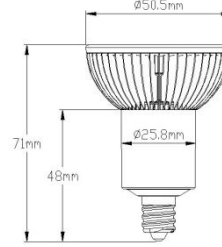
Design E17



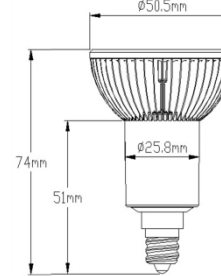
Design B22D



Design E12 (US)



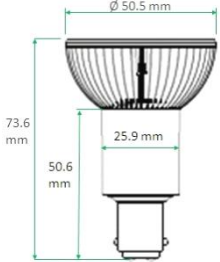
Design E12 (EURO)



Design E210



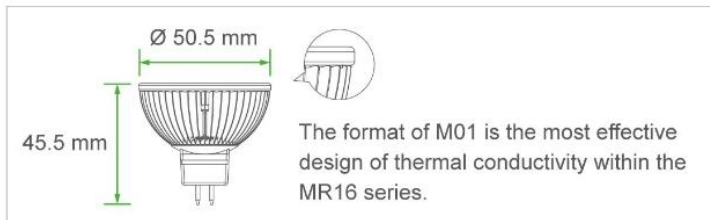
Design BA15D



Design BA15S



M01 Fixture



M02 Fixture



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