

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



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 3030-2D
Power Consumption		7W
Beam Angle	10%	38° / 50° / 90° / 100° / 135°
True White	CRI 80	700 lm
Natural White	CRI 80	700 lm
Warm White	CRI 80	650 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

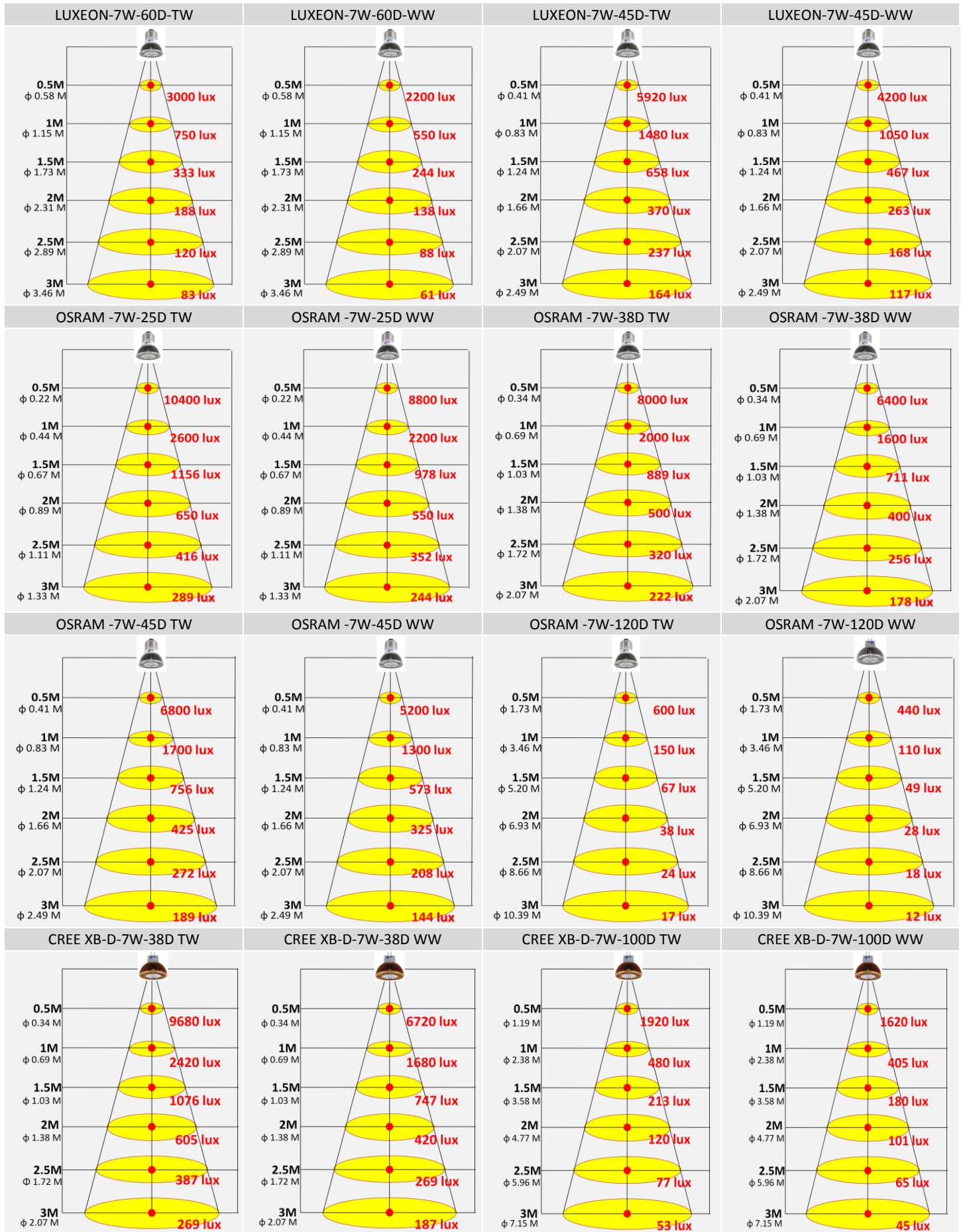
LUXEON LED Chips

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

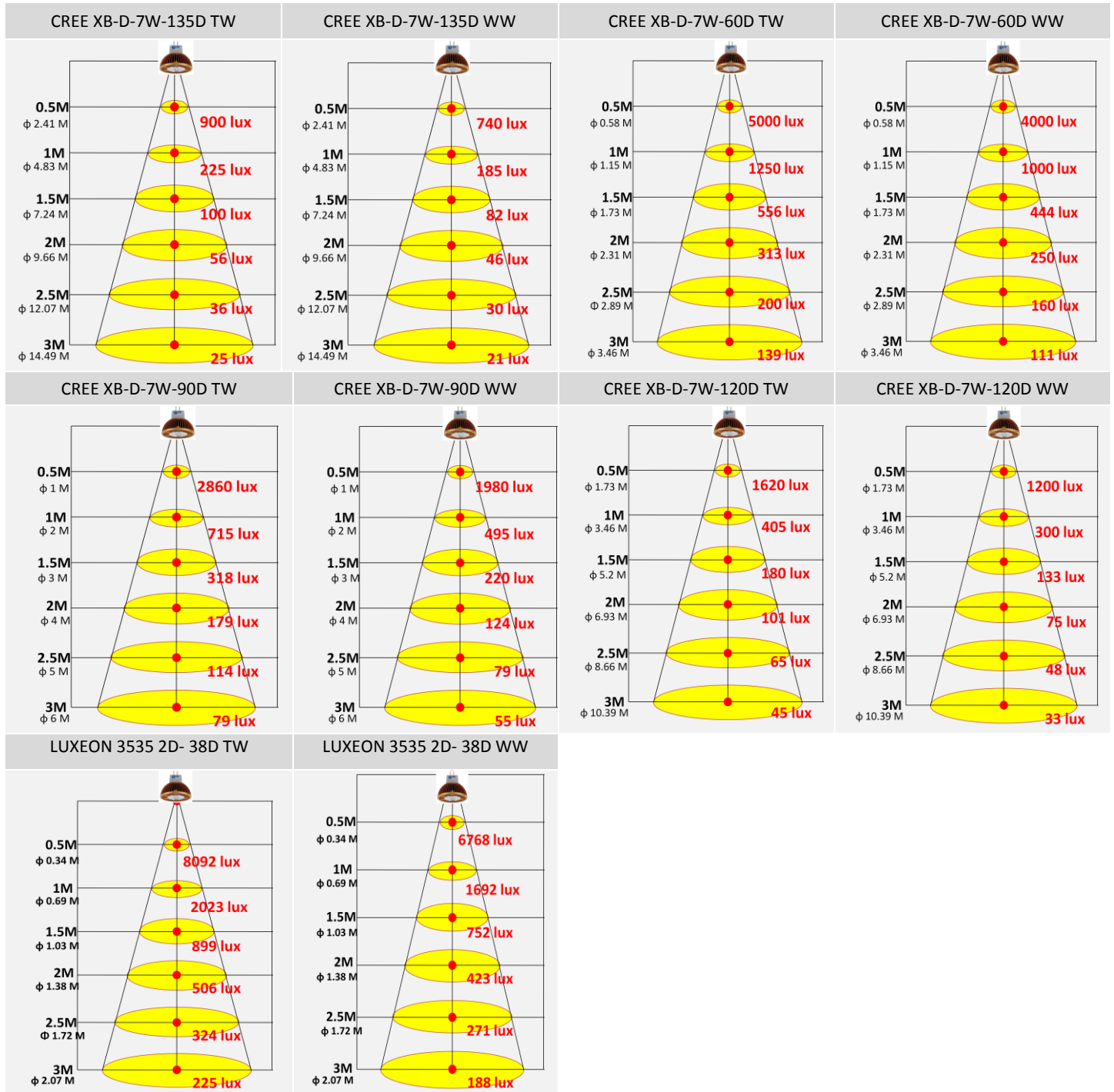
OSRAM LED Chips

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

Illuminance at Distance

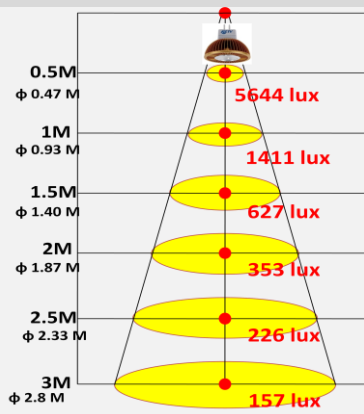


Illuminance at Distance

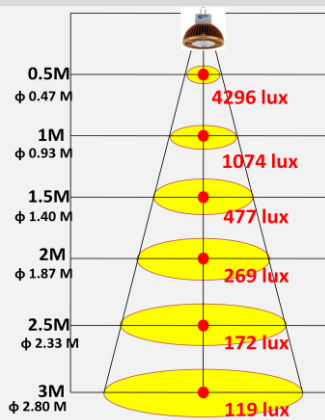


Illuminance at Distance

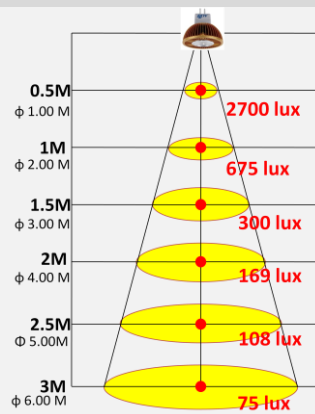
LUXEON 3535 2D- 50D TW



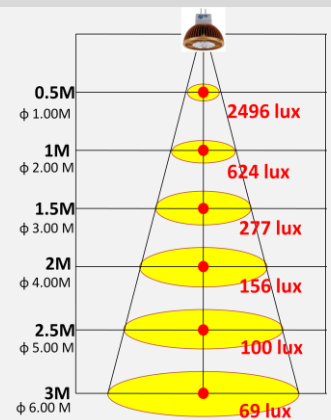
LUXEON 3535 2D- 50D WW



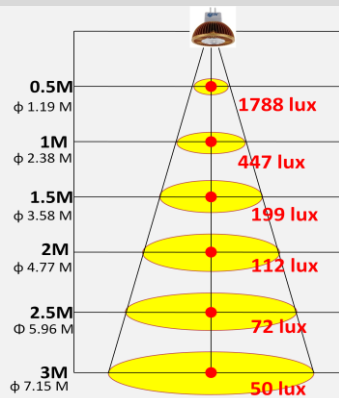
LUXEON 3535 2D- 90D TW



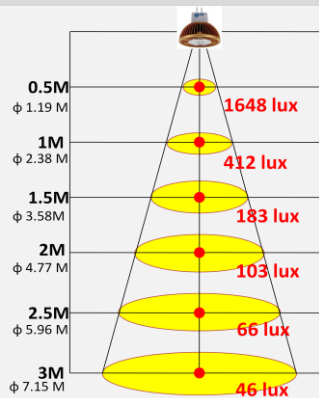
LUXEON 3535 2D- 90D WW



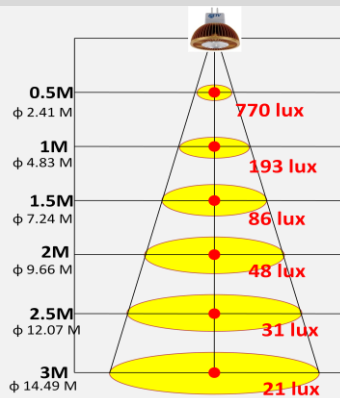
LUXEON 3535 2D- 100D TW



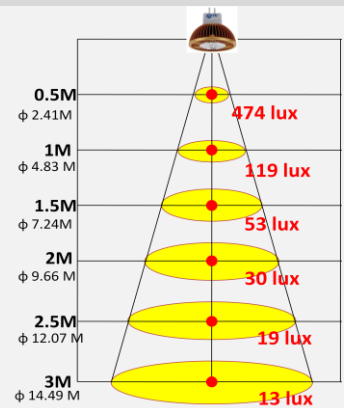
LUXEON 3535 2D- 100D WW



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)



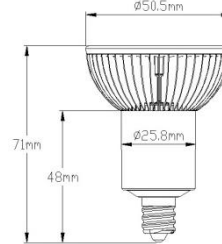
Design E17



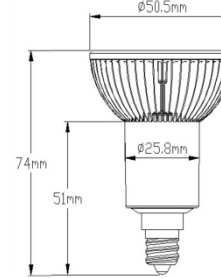
Design B22D



Design E12 (US)



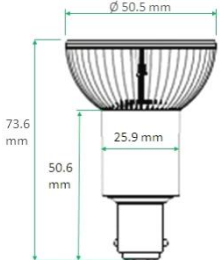
Design E12 (EURO)



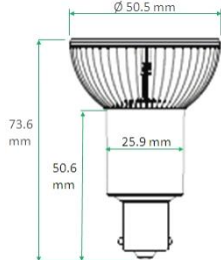
Design E210



Design BA15D



Design BA15S



M01 Fixture



M02 Fixture

