

V8 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	25°, 38°, 40°, 50°, 60°, 72°, 80°, 90°, 100°, 110°, 120°, 135°		
	Colour Range	TW / NW / WW		
	Lumen Maintenance	30,000+ hours		
Electrical	Input Voltage	12V AC/DC or 100 ~ 240V AC		
	Power Consumption	1, 3, 5, 7 Watts		
Physical	Bases	<ul style="list-style-type: none"> · GX 5.3 / GU 5.3 · E26 / 24 (US) · E26 / 27 (EURO) · GU10 / GZ 10 · E210 · 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.		

Optical Characteristics

Dominant Wavelength (nm) or Colour Temperature (K)

OSRAM LED Chips

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

CREE LED Chips

Correlated Colour Temperature	Min.	Typ.	Max.
True White	4500K	6500K	10000K
Natural White	3500K	4100K	4500K
Warm White	2150K	3100K	3500K

Chipset Luminous Flux

Chipsets		OSRAM Square	
Power Consumption		5W	7W
Beam Angle <small>10%</small>		40° / 60° / 100° / 135°	
True White	CRI 70	700 lm	850 lm
Natural White	CRI 70	700 lm	850 lm
Warm White	CRI 80	540 lm	650 lm
	CRI 92	430 lm(2400k)	520 lm(2400k)
		430 lm	520 lm

Chipsets		OSRAM Square	
Power Consumption		1W	3W
Beam Angle <small>10%</small>		25° / 60° / 90° / 110° / 135°	
True White	CRI 70	190 lm	385 lm
Natural White	CRI 70	190 lm	385 lm
Warm White	CRI 80	145 lm	290 lm
	CRI 92	110 lm(2400k)	230 lm(2400k)
		110 lm	230 lm

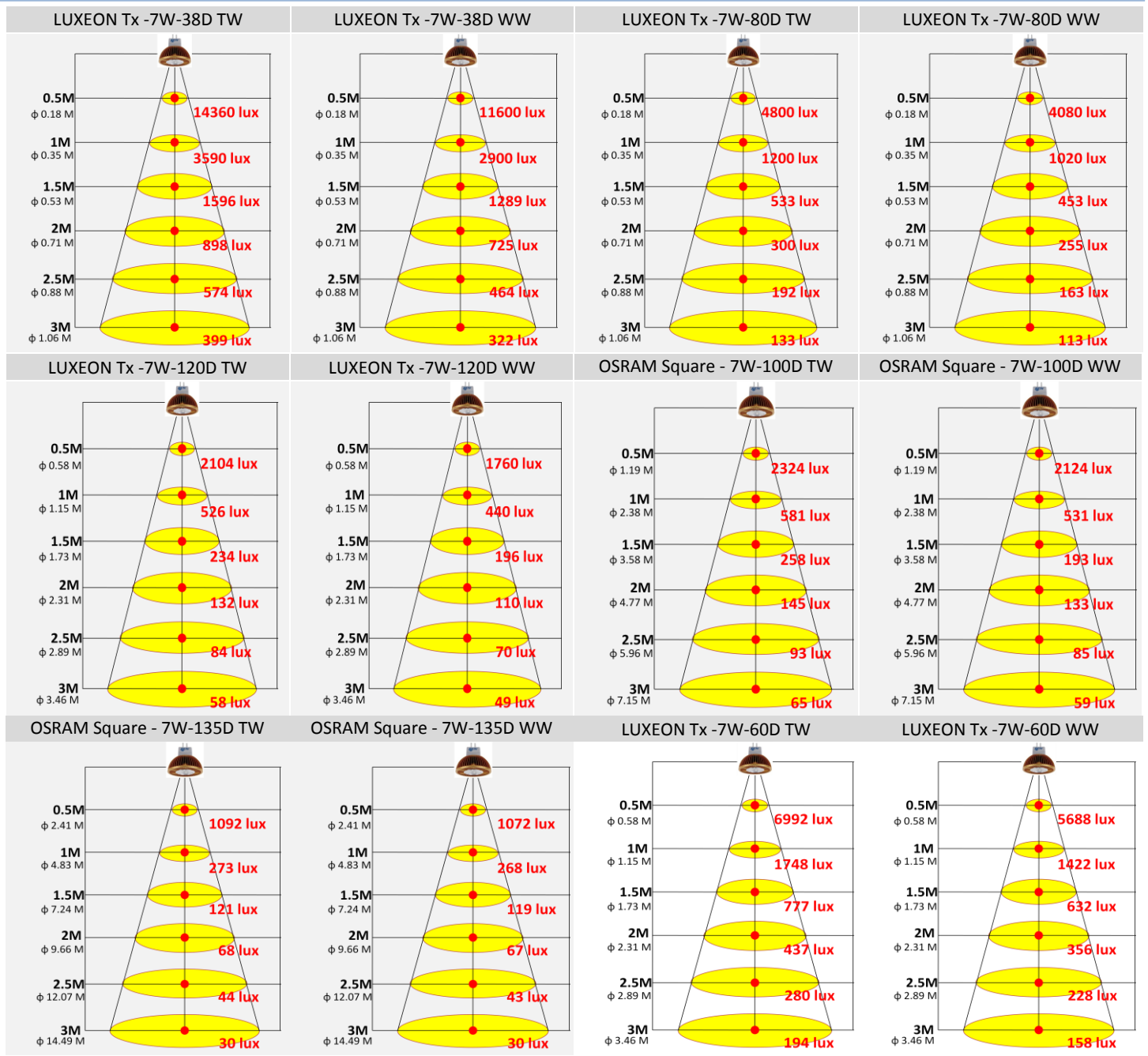
Chipsets		Lumileds – Luxeon Tx	
Power Consumption		7W	
Beam Angle <small>10%</small>		38° / 50° / 60° / 80° / 120°	
True White	CRI 70	850 lm	
Natural White	CRI 70	850 lm	
Warm White	CRI 80	650 lm	

Chipsets		CREE XP-L	
Power Consumption		7W	
Beam Angle <small>10%</small>		100° / 135°	
True White	CRI 65	870 lm	
Natural White	CRI 70	850 lm	
Warm White	CRI 80	720 lm	

Chipsets		CREE MHD (GX 5.3 only)	
Power Consumption		7W	
Beam Angle <small>10%</small>		72° / 80° / 100° / 135°	
True White	CRI 70	765 lm	
Natural White	CRI 70	765 lm	
Warm White	CRI 80	660 lm	

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

Illuminance at Distance



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)



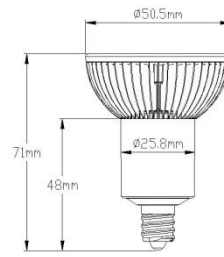
Design E17



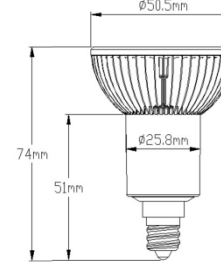
Design B22D



Design E12 (US)



Design E12 (EURO)



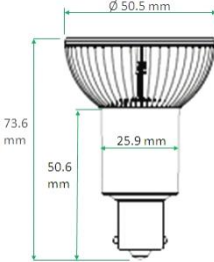
Design E210



Design BA15D



Design BA15S



M01 Fixture



The format of M01 is the most effective design of thermal conductivity within the MR16 series.

M02 Fixture



In compliance with ANSI standard, can be installed in any MR16 fixtures.