V7 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

c UL us LISTED LED Lamp 42CP

RoHS Compliant

Laser Testing Compliant

REACH Compliant

Awards

product design award 2010

TECHNOLOGY AWARD 2009

reddot design award product design 2011

GOOD DESIGN AWARD 2012

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°, 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	· 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, C-Tick, RoHS, Laser Testing, 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 XT-E	
Power Consumption		5W	7W
Beam Angle	10%	38° / 60° / 90° / 100° /120° / 135°	
True White	CRI 70	600 lm	780 lm
Natural White	CRI 80	560 lm	650 lm
Warm White	CRI 80	460 lm 400 lm(2200k)	580 lm 500 lm(2200k)
	CRI 90	360 lm	460 lm

Chipsets		CREE XT-E	
Power Consumption		1W	3W
Beam Angle	10%	25° / 60° / 90° / 110°/ 135°	
True White	CRI 70	155 lm	310 lm
Natural White	CRI 80	145 lm	290 lm
Warm White	CRI 80	120 lm 105 lm(2200k)	240 lm 210 lm(2200k)
	CRI 90	95 lm	190 lm

Chipsets		Lumileds – Luxeon Q
Power Consumption		7W
Beam Angle	10%	50° / 60° / 80° / 120°
True White	CRI 80	800 lm
Natural White	CRI 80	720 lm
Warm White	CRI 80	620 lm

Chipsets		CREE MHB (GX 5.3 only)
Power Consumption		7W
Beam Angle	10%	38° / 72° / 80° / 100° / 120° / 135°
True White	CRI 70	650 lm
	CRI 90	520 lm
Natural White	CRI 70	650 lm
	CRI 90	480 lm
Warm White	CRI 80	570 lm
	CRI 90	420 lm

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

Optical Characteristics

Dominant Wavelength (nm) or Colour Temperature (K)

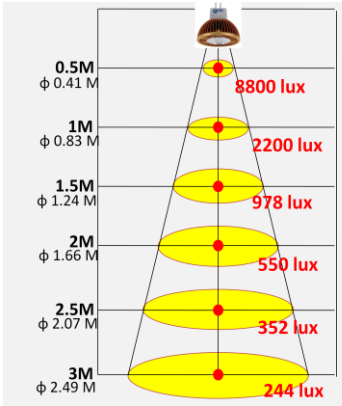
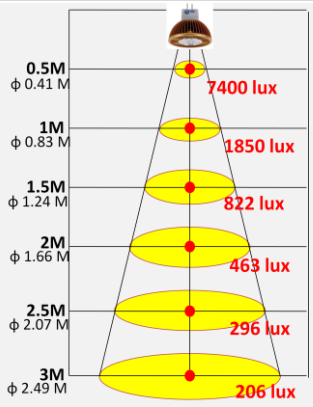
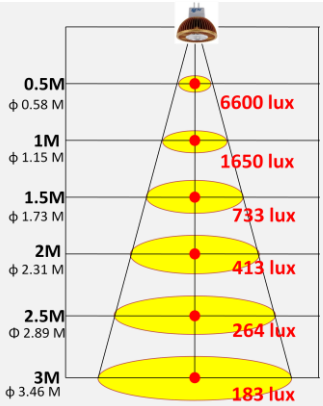
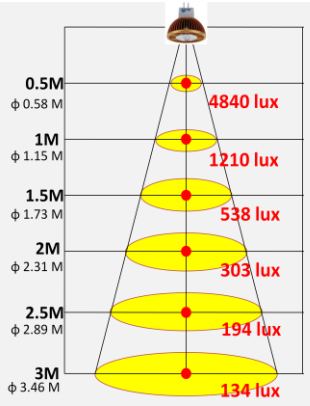
CREE LED Chips

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

Illuminance at Distance

CREE -7W-38D TW	CREE -7W-38D WW	CREE -7W-60D TW	CREE -7W-60D WW
			
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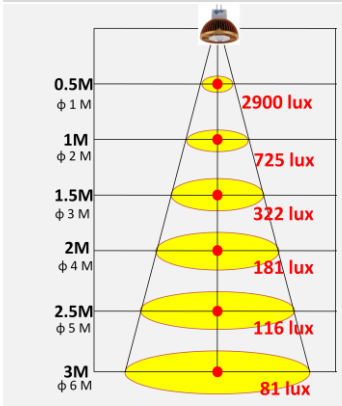	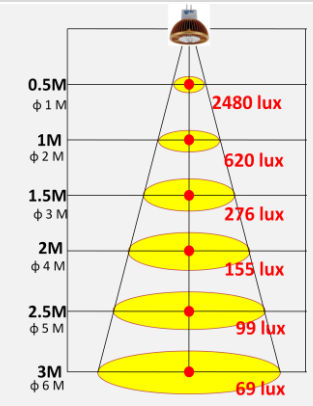	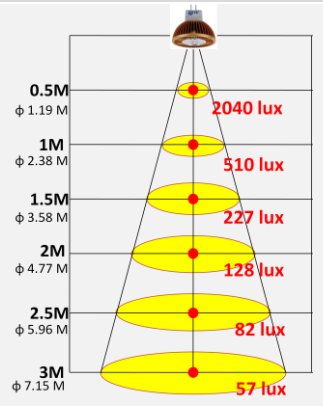	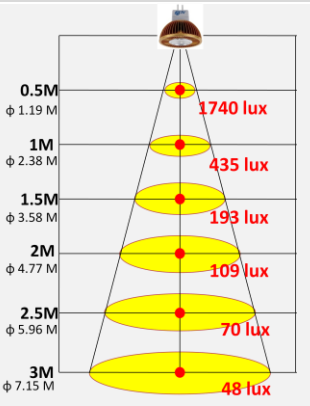
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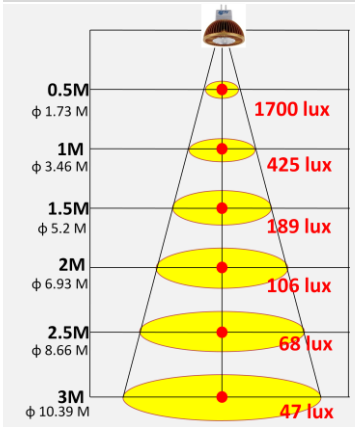
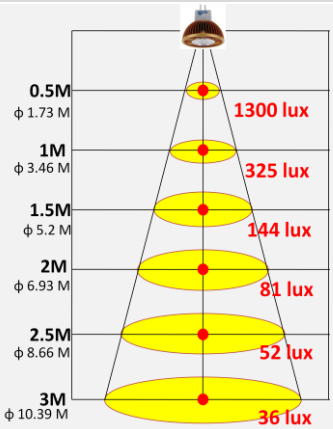
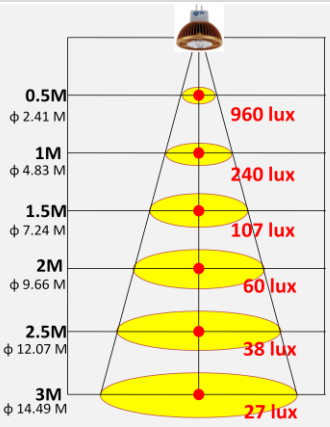
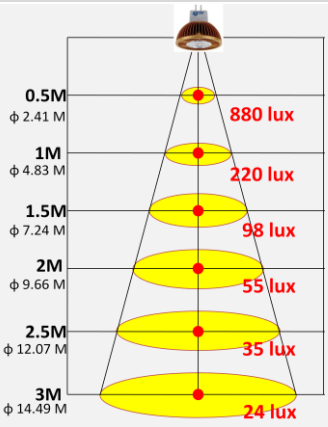
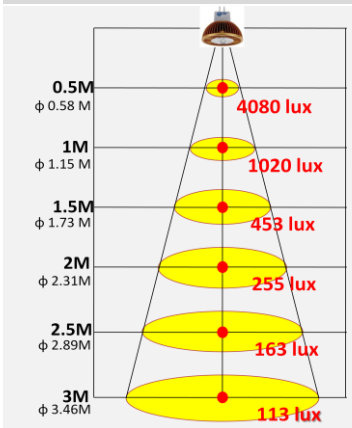
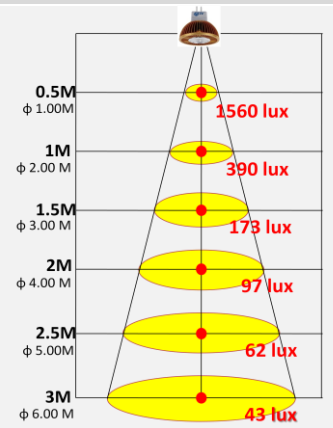
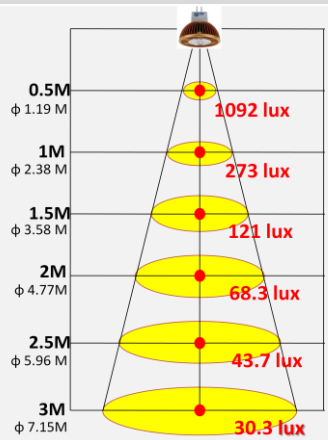
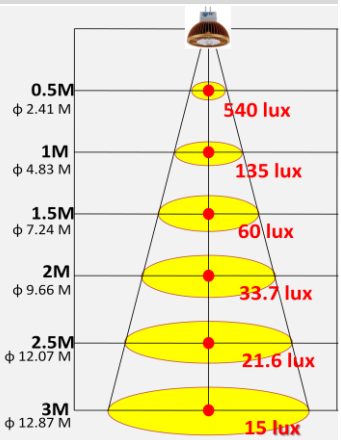
			
CREE-7W-2200K-60D WW	CREE-7W-2200K-90D WW	CREE-7W-2200K-100D WW	CREE-7W-2200K-135D WW
			

Mechanical Dimensions

Design GX5.3 / GU 5.3

Design E26/24 (US)

Design E26 / 27 (EURO)

Design GU10/GZ10

Design E11

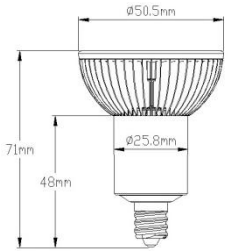
Design E14 (US)

Design E14 (EURO)

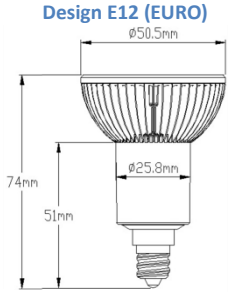
Design E17

Design B22D

Design E12 (US)

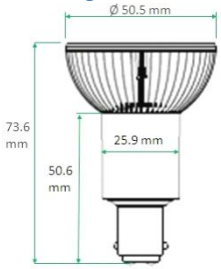


Design E12 (EURO)



Design EZ10

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.

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Aeon Lighting Technology Inc.
16F-8., No.2, Jian 8th Rd., Zhonghe Dist.,
New Taipei City 235, Taiwan (R.O.C.)
Tel +886-2-8226-1289
Fax +886-2-8226-9066
www.aeonlighting.com