

V5 MR16 Dimmable



ALTLED®
Asteria
Series
Specification Sheet

Internal Transformer

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



Features

- ✓ Smooth dimming function fades from 100% to 0% light output without flicker.
- ✓ 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°, 30°, 40°, 50°, 60°, 100°, 120°	
	Colour Range	TW / NW / WW	
	Lumen Maintenance	30,000+ hours	
Electrical	Input Voltage	110V AC or 220V AC	
	Power Consumption	7 Watts	
Physical	Bases	<ul style="list-style-type: none"> · E26 / 24 (US) · E26 / 27 (EURO) · GU10 · E11 · E12 · E14 · E17 · B22D · BA15D 	
	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	RoHS , Laser Testing, PSE, UL, FCC, CE, C-tick, REACH
		Environment	Not for use in totally enclosed fixtures Suitable for damp location
Warranty		3 year	
Two Million Worldwide Product Liability Insurance.			

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	
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 OSLOM 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 3535 2D	
Power Consumption	7W	
Beam Angle	50%	20° / 25° / 40° / 60° / 100°
True White	CRI 80	470 lm
Natural White	CRI 80	415 lm
Warm White	CRI 80	360 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

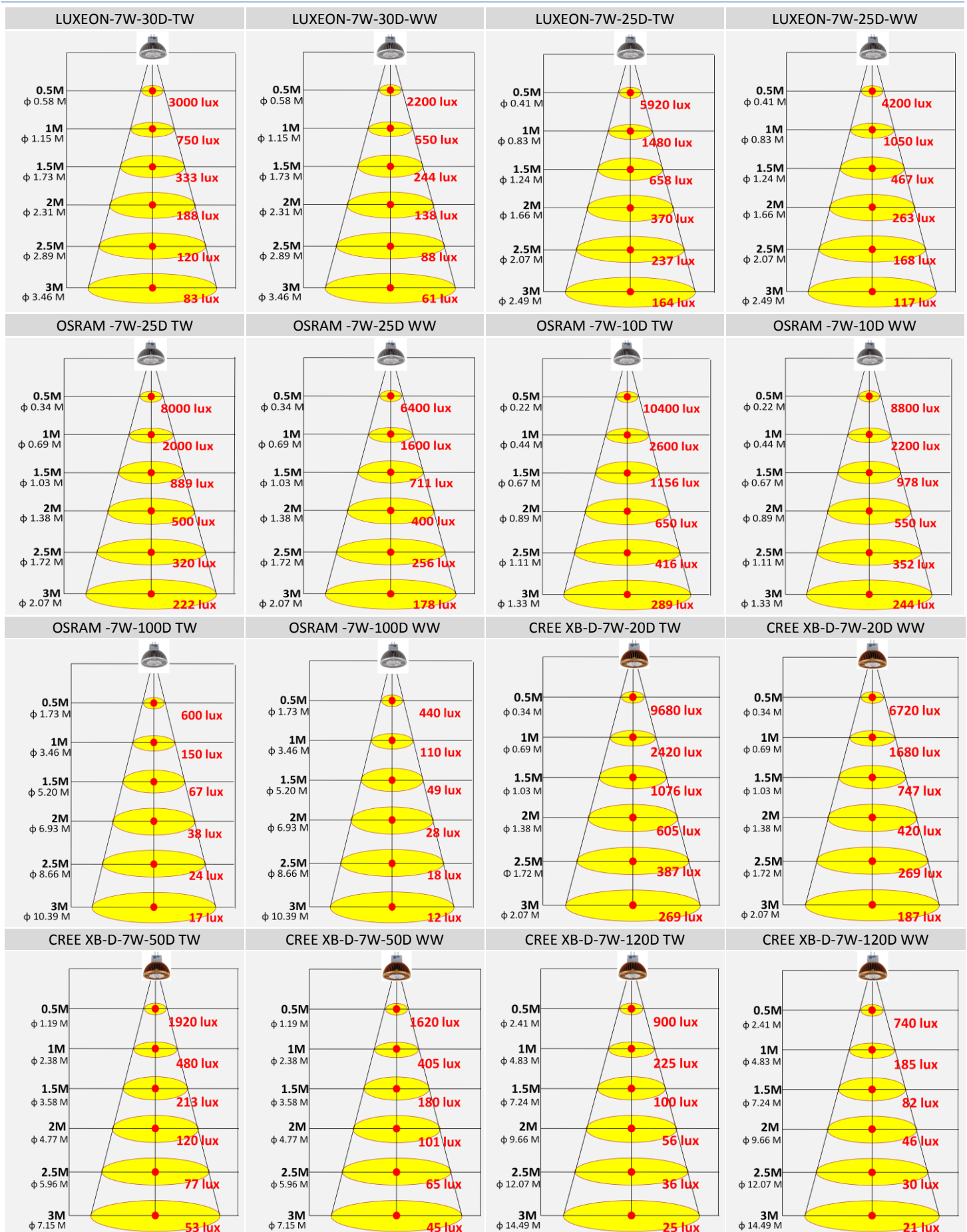
OSRAM LED Chips

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

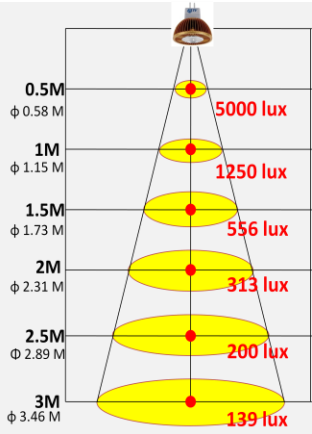
LUXEON LED Chips

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

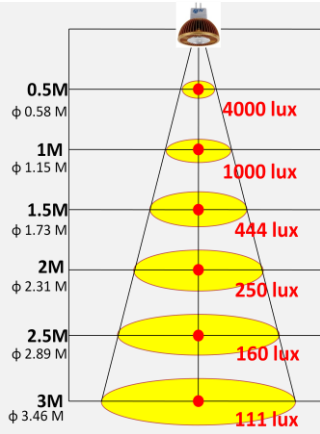
Illuminance at Distance



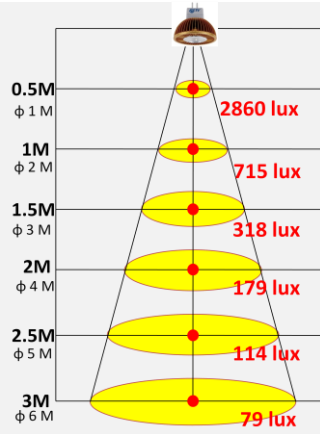
CREE XB-D-7W-25D TW



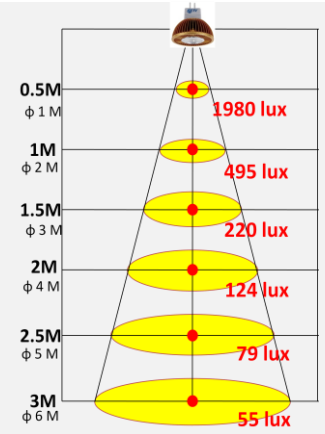
CREE XB-D-7W-25D WW



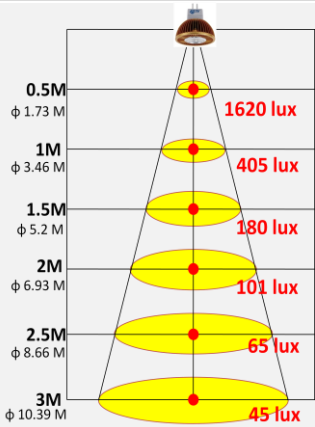
CREE XB-D-7W-40D TW



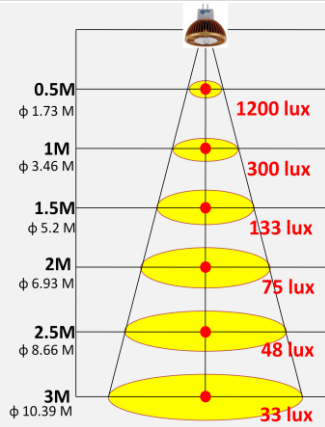
CREE XB-D-7W-40D WW



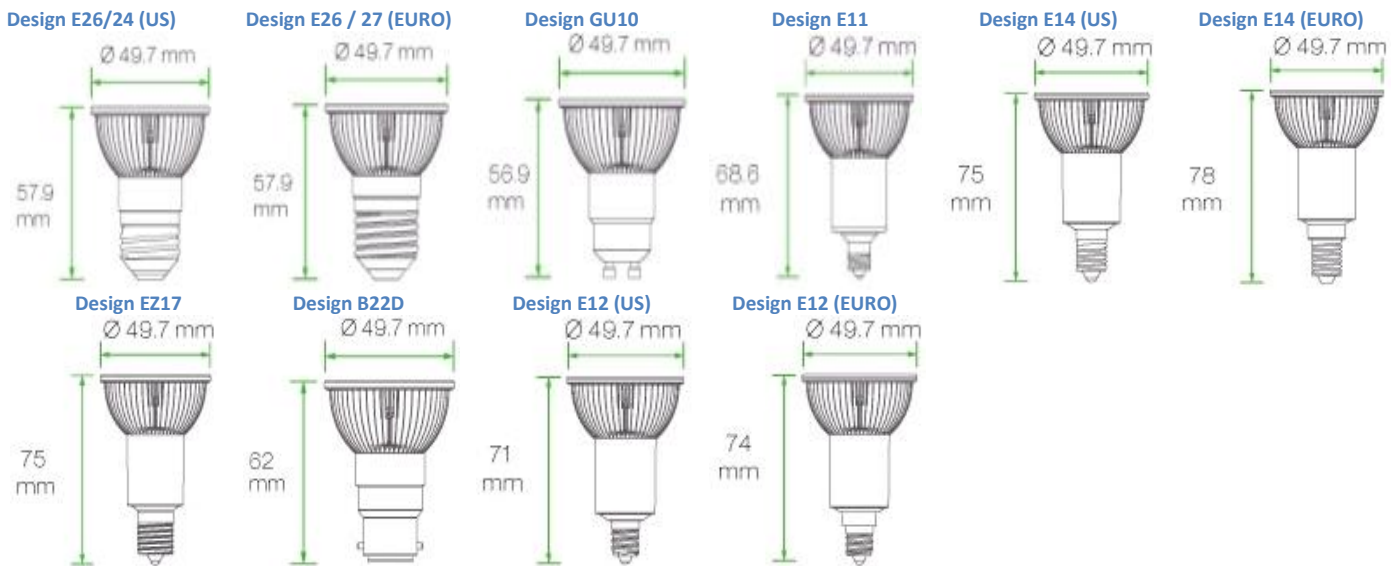
CREE XB-D-7W-60D TW



CREE XB-D-7W-60D WW



Mechanical Dimensions



Compatible Dimmers List

Compatible Dimmers List		
100V~120V AC Types		
Brand	Type	Max. Watts
LUTRON	TGCL-153PH-LA	150W
LUTRON	CTCL-153PDH-WH	600W
LUTRON	DV-603PR-WH	600W
LEVITON	IPL06	600W
LEVITON	R60-6684-1IW	600W
Toshiba	DG9042SN	400W
Panasonic	WN575149	400W

Compatible Dimmers List		
220V~240V AC Types		
Brand	Type	Max. Watts
CLIPSAL	LEADING EDGE 32E450LM	450W