BR30

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 BR Series is the most efficient and brightest LED for general lighting solution in the market, and is indeed the first high power LED to achieve the requirements in a safe, durable, and resourceful way. Concededly it is perfect for brightening up wide areas, including your living room, lobbies in Hotels, and dining areas in restaurants. Living wisely it allows you to reduce a considerable amount of energy consumption and maintenance costs, and at the same time provide a beautiful, elegant atmosphere. Simple and easy to install, also guaranteed by our engineers to last up to 40,000 hours, Asteria BR series are beautifully designed and will make a big difference in any ambient it is installed. More importantly, Asteria BR Series has been certified by the most important safety certification organisations, such as UL, TÜV, CE and FCC. All these provide a relieved safety environment to where it's applied.

Certificates

Awards

TECHNOLOGY AWARD 2009

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°, 60°, 72°, 100°, 120°, 135°
	Colour Range	TW / NW / WW
	Lumen Maintenance	40,000 hours
Electrical	Input Voltage	100 ~ 277V AC 24V DC
	Power Consumption	10, 12, 15 Watts
Physical	Bases	・E26 / 24 (US) ・E26 / 27 (EURO)
	Weight	9.17 oz. (260 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, RoHS, C-Tick Laser Testing, REACH
	Environment	Not for use in totally enclosed fixtures Suitable for damp location
	Warranty	3 years
Customized Available	Power Factor	>0.9 for 15W
	Two Million Worldwide Product Liability Insurance.	

Optical Characteristics

Dominant Wavelength (nm) or Colour Temperature (K)

CREE LED chips

Correlated Colour Temperature	Min.	Typ.	Max.
True White	4500K	6000K	10000K
Natural White	3500K	4300K	5000K
Warm White	2100K	3000K	3700K

LUXEON LED chips

Correlated Colour Temperature	Min.	Typ.	Max.
True White	5000K	6000K	6500K
Natural White	3500K	4500K	5000K
Warm White	2700K	3000K	3500K

BRIDGELUX LED chips

Correlated Colour Temperature	Min.	Typ.	Max.
True White	4750K	5600K	7000K
Natural White	3700K	4100K	4750K
Warm White	2850K	3000K	3700K

EPISTAR LED chips

Correlated Colour Temperature	Min.	Typ.	Max.
True White	4750K	5700K	10000K
Natural White	3250K	4000K	4750K
Warm White	2500K	2700K	3250K

Chipset Luminous Flux

Chipsets		CREE XT-E
Power Consumption		15W
Beam Angle	10%	100° / 135°
True White	CRI 70	1850 lm
Natural White	CRI 80	1500 lm
Warm White	CRI 80	1350 lm 1200 lm (2200K)
	CRI 90	1080 lm

Chipsets		EPISTAR
Power Consumption		12W
Beam Angle	10%	60° / 72° / 120°
True White	CRI 70	750 lm
Natural White	CRI 70	730 lm
Warm White	CRI 70	660 lm

Chipsets		BRIDGELUX	
Power Consumption		10W	15W
Beam Angle	10%	60° / 72° / 120°	
True White	CRI 65	850 lm	1200 lm
Natural White	CRI 80	720 lm	1100 lm
Warm White	CRI 82	620 lm	850 lm

Chipsets		LUXEON Rebel	
Power Consumption		10W	15W
Beam Angle	10%	120°	72° / 120°
True White	CRI 80	800 lm	1000 lm
Natural White	CRI 80	720 lm	1000 lm
Warm White	CRI 80	550 lm	750 lm

Chipsets		CREE XP-E		CREE XP-E HEW
Power Consumption		10W	15W	
Beam Angle	10%	25°	72° / 120°	100° / 135°
True White	CRI 80	780 lm	1000 lm	CRI 68 1150 lm
Natural White	CRI 80	680 lm	1000 lm	CRI 75 1000 lm
Warm White	CRI 80	630 lm	750 lm	CRI 80 880 lm

Chipsets		CREE XP-G
Power Consumption		15W
Beam Angle	10%	38° / 72° / 120°
True White	CRI 80	1800 lm
Natural White	CRI 80	1475 lm
Warm White	CRI 80	1300 lm

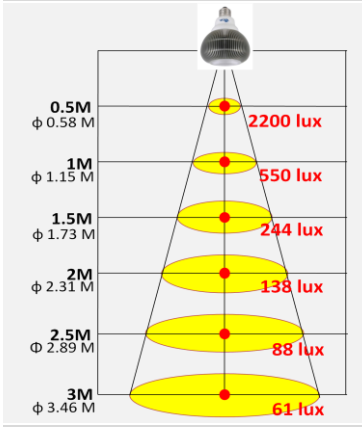
Chipsets		CREE XM-L
Power Consumption		15W
Beam Angle	10%	38° / 45° / 72°
True White	CRI 65	1920 lm
Natural White	CRI 75	1780 lm
Warm White	CRI 80	1500 lm

Chipsets		EPISTAR
Power Consumption		15W
Beam Angle	10%	100° / 135°
True White	CRI 95	680 lm
Warm White	CRI 95	520 lm

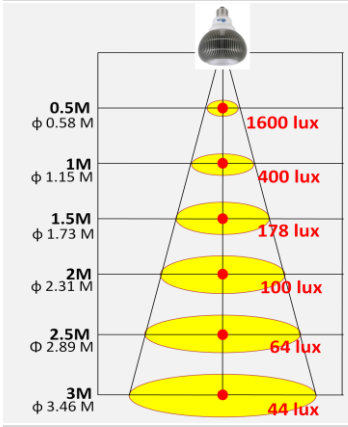
※All Chipset Luminous Flux Data are indicated in max values.

Illuminance at Distance

BRIDGELUX-10W-60D TW



BRIDGELUX-10W-60D WW



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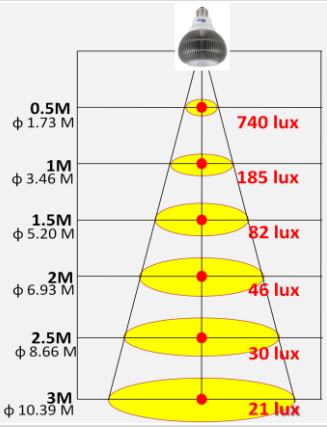
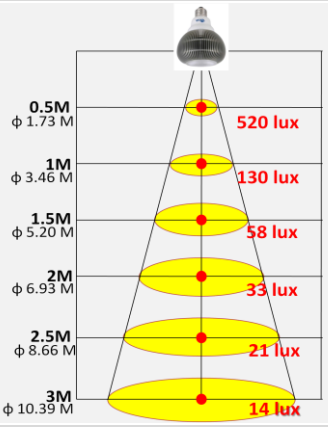


BRIDGELUX-10W-120D WW



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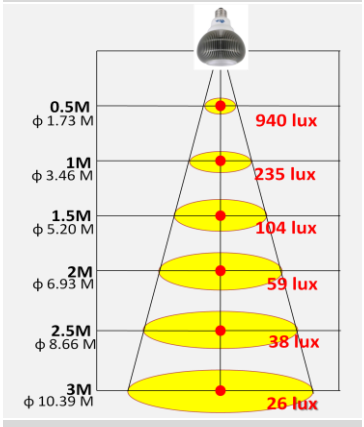

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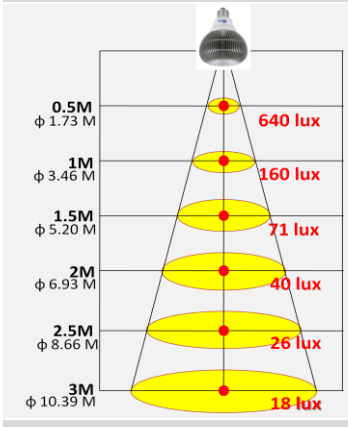

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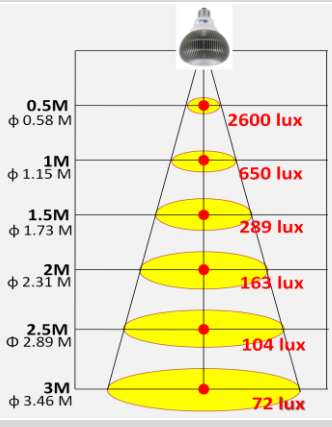

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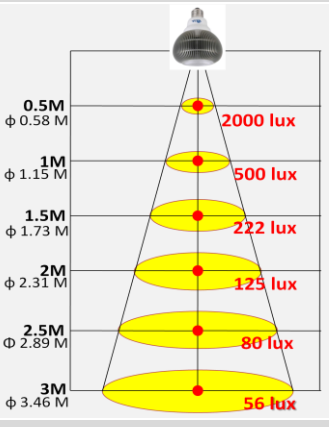

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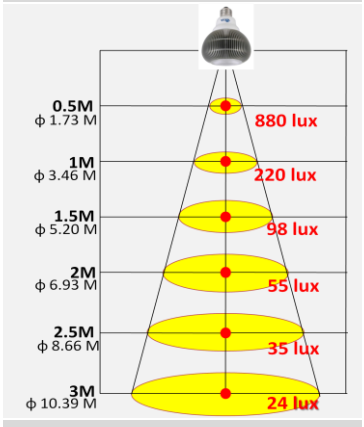

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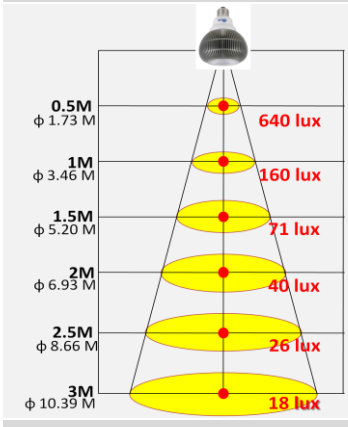

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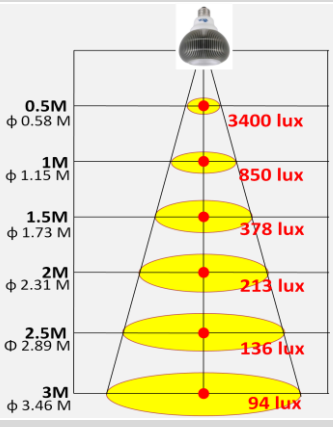
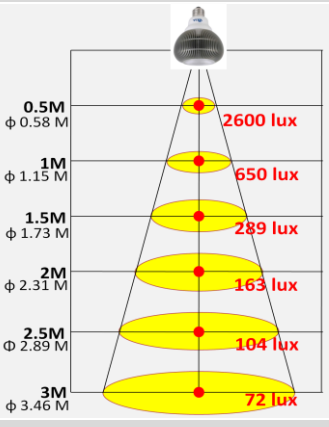


BRIDGELUX-15W-60D WW



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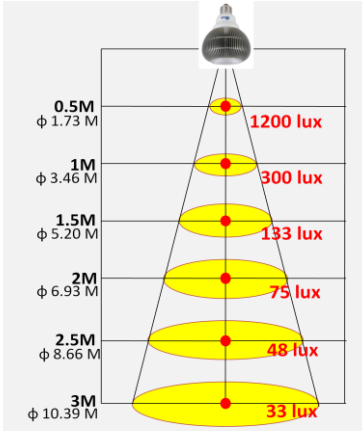
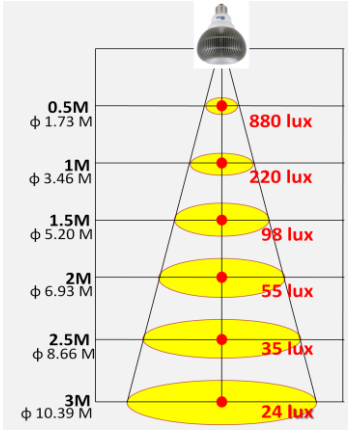
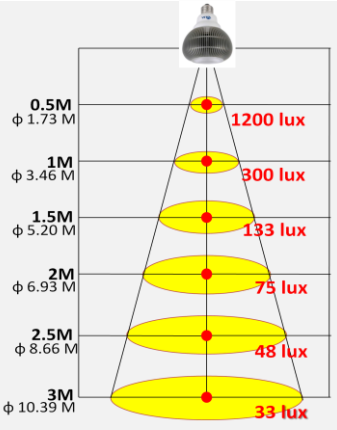


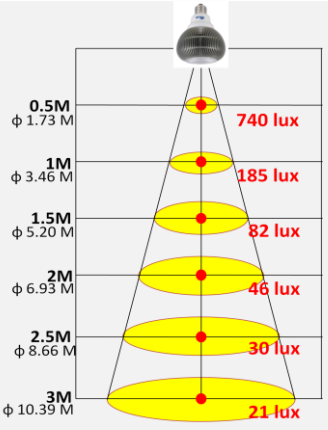
BRIDGELUX-15W-120D WW



LUXEON-15W-120D TW

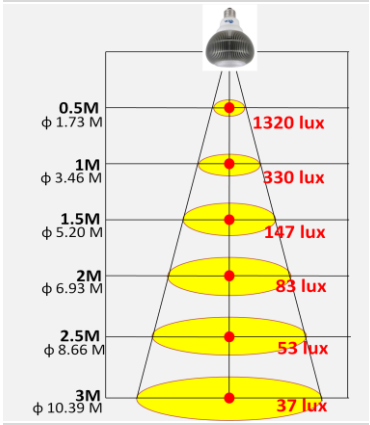


LUXEON-15W-120D WW

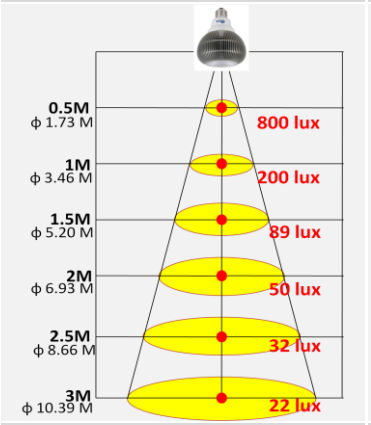


Illuminance at Distance

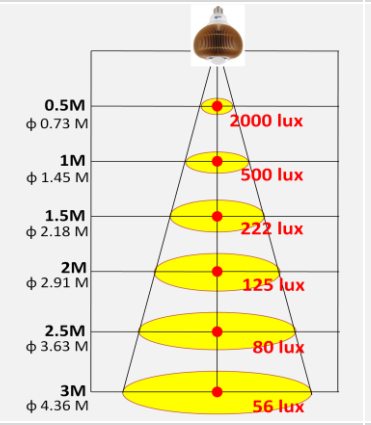
CREE XP-E-15W-120D TW



CREE XP-E-15W-120D WW



BRIDGELUX-10W-72D TW



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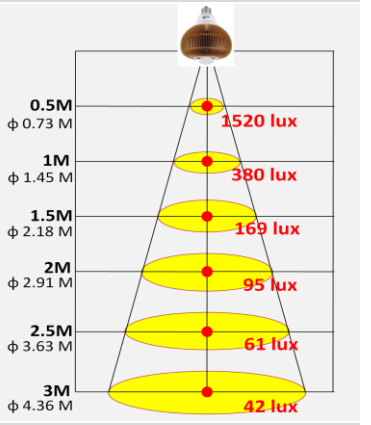
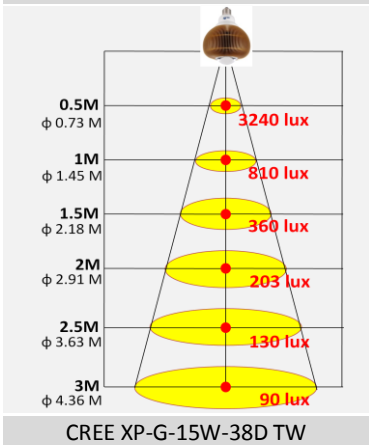
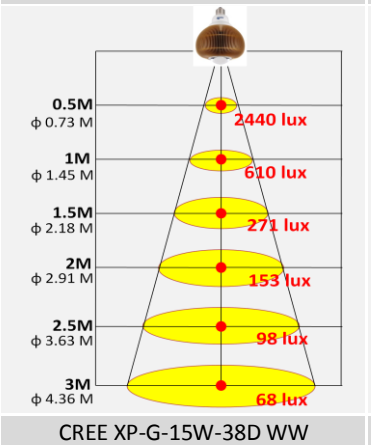


BRIDGELUX-15W-72D TW



BRIDGELUX-15W-72D WW



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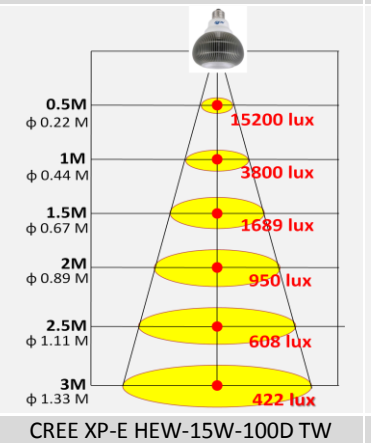

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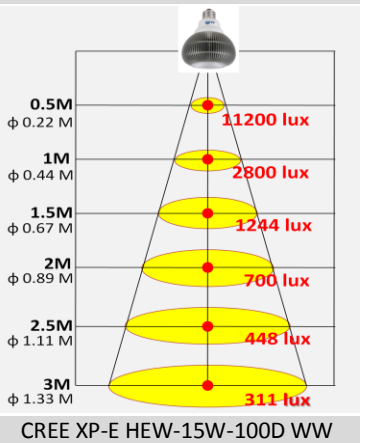

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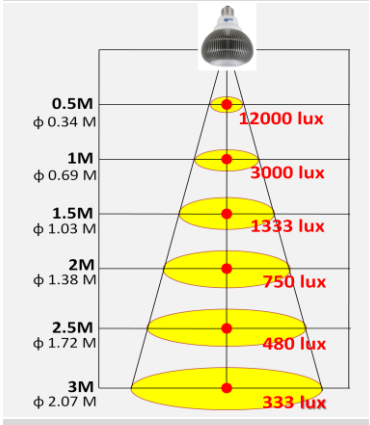

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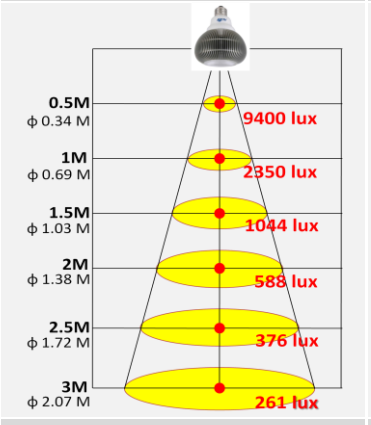

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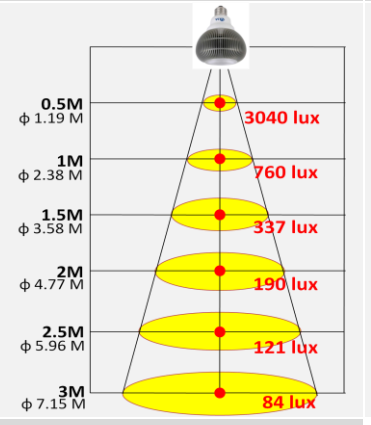

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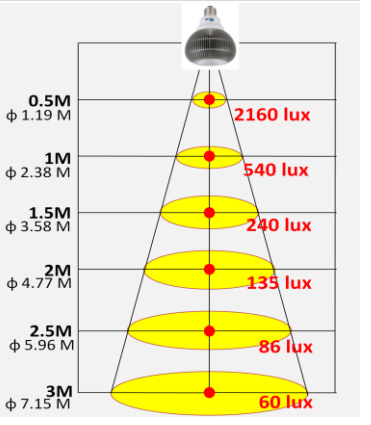

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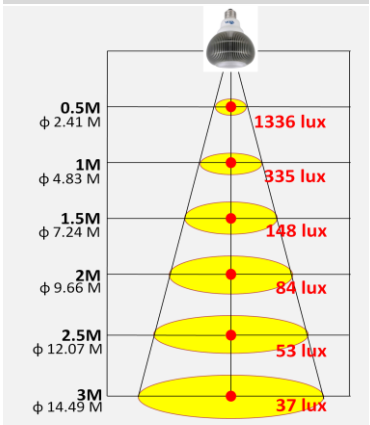

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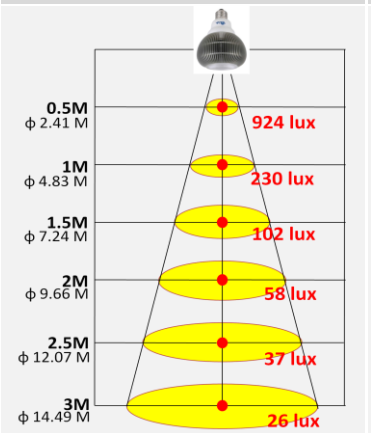
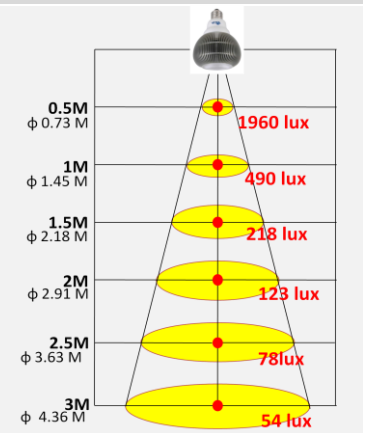
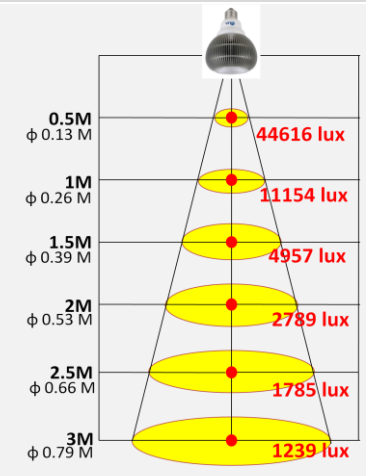


CREE XP-E 15W-72D WW

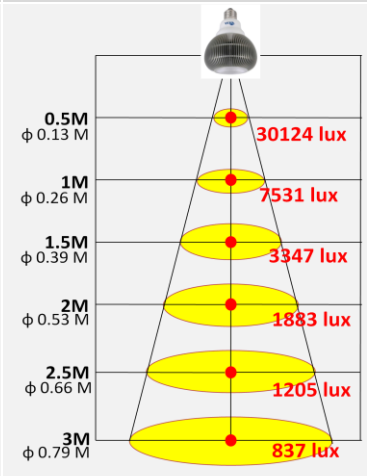


Illuminance at Distance

CREE XM-L-15W-38D TW



CREE XM-L-15W-38D WW



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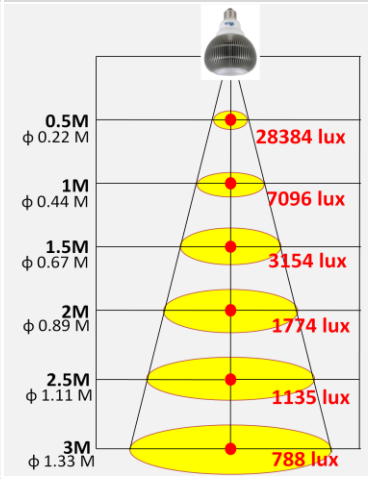

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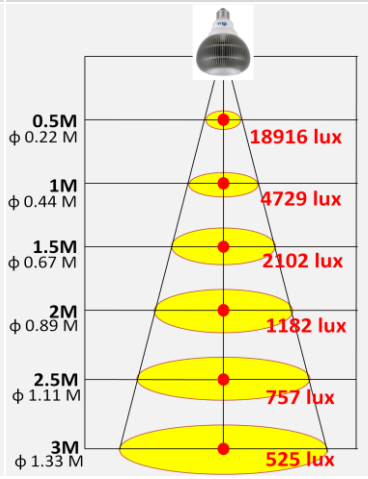

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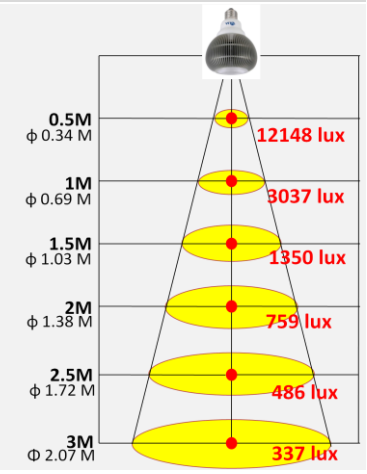

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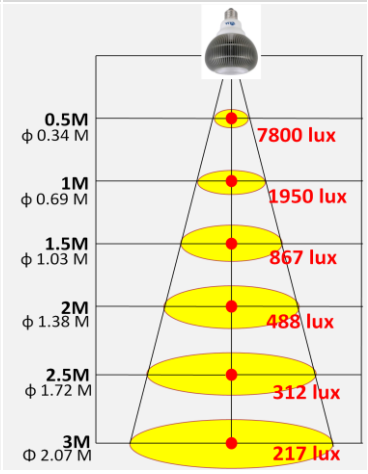
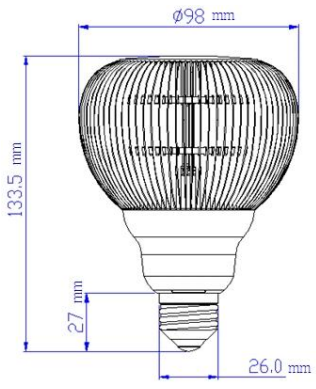
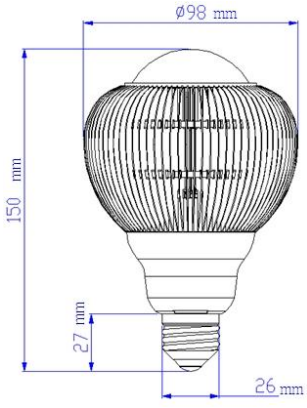


Mechanical Dimensions

E26/27(EURO)
Beam Angle 25°, 38°, 120°, 135°



E26/27(EURO)
Beam Angle 60°, 72°, 100°



E26/24(US)
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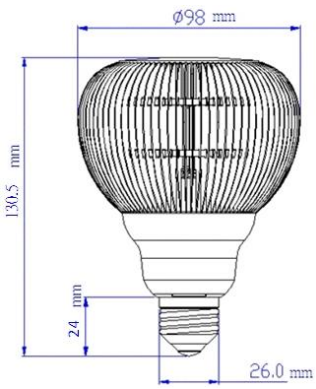

E26/24(US)
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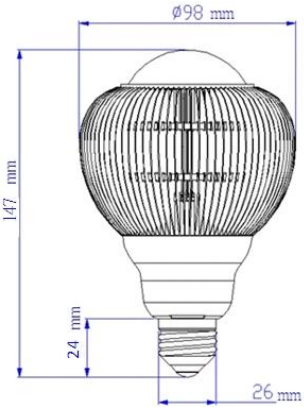

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