Dimmable PAR30

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 PAR 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 50,000 hours, Asteria PAR series are beautifully designed and will make a big difference in any ambient it is installed. More importantly, Asteria PAR Series has been certified by the most important safety certification organisations, such as UL, LASER, PSE, RoHS, CE and FCC. All these provide a relieved safety environment to where it's applied.

Certificates

CE FC REACH Compliant RoHS Compliant Laser Testing Compliant c UL us LISTED LED Lamp 42CP LVD Testing Compliant

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	20°, 25°, 40°, 60°, 100°
	Colour Range	TW / NW / WW
	Lumen Maintenance	50,000 hours
Electrical	Input Voltage	110V AC 220V AC
	Power Factor	> 0.9
	Power Consumption	15, 20 Watts
Physical	Bases	· E26 / 24 (US) · E26 / 27 (EURO)
	Weight	14.10 oz. (400 g)
	Lens	Optics PMMA
	Operating Temperature	-4° F to 104° F (-20°C to 40°C) -85° F to 104° F (-65°C to 40°C) (Optional)
	Humidity	0 – 95%, non-condensing
Certification and Safety	Certifications	Laser Testing, RoHS, UL CE , FCC,LVD,C-Tick, 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)

CREE LED chips

Correlated Colour Temperature	Min.	Typ.	Max.
True White	4550K	6000K	10000K
Natural White	3250K	4000K	4750K
Warm White	2100K	3000K	3500K

LUXEON LED chips

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

EPISTAR LED chips

Correlated Colour Temperature	Min.	Typ.	Max.
True White	5000K	5500K	5700K
Warm White	2870K	3000K	3220K

Lamp Luminous Flux

Chipsets		CREE XT-E	
Power Consumption		15W	20W
Beam Angle	50%	25° / 40° /60° / 100°	60° / 100°
True White	CRI 70	1250 lm	1550 lm
Natural White	CRI 80	1050 lm	1300 lm
Warm White	CRI 80	900 lm	1125 lm
		800 lm (2200K)	1000 lm (2200K)
	CRI 90	720 lm	900 lm

Chipsets		LUXEON Rebel ES	
Power Consumption		15W	20W
Beam Angle	50%	60° / 100°	
True White	CRI 80	1150 lm	1450 lm
Natural White	CRI 80	950 lm	1200 lm
Warm White	CRI 80	825 lm	1050 lm
	CRI 90	660 lm	840 lm

Chipsets		CREE XB-D
Power Consumption		15W
Beam Angle	50%	20°/ 25° / 40° / 60° / 100°
True White	CRI 70	1150 lm
Natural White	CRI 80	950 lm
Warm White	CRI 80	825 lm

Chipsets		EPISTAR
Power Consumption		15W
Beam Angle	50%	60° / 100°
True White	CRI 98	620 lm
Warm White	CRI 98	470 lm

Chipsets		Lumileds - LUXEON Q	
Power Consumption		15W	20W
Beam Angle	50%	60° / 100°	
True White	CRI 80	1300 lm	1600 lm
Natural White	CRI 80	1150 lm	1400 lm
Warm White	CRI 80	950 lm	1200 lm

Chipsets		OSRAM Square	
Power Consumption		15W	20W
Beam Angle	50%	60° / 100°	
True White	CRI 70	1300 lm	1600 lm
Natural White	CRI 70	1150 lm	1500 lm
Warm White	CRI 80	1000 lm	1300 lm
		800 lm (2400K)	1040 lm (2400K)
	CRI 92	800 lm	1040 lm

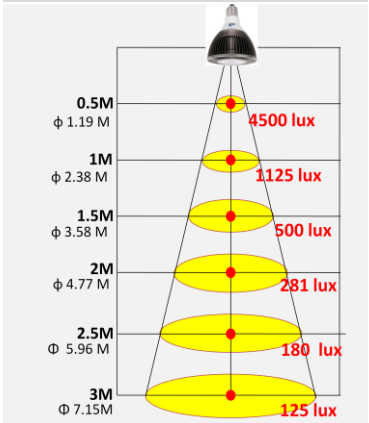
Chipsets		LUXEON Tx	
Power Consumption		15W	20W
Beam Angle	50%	60° / 100°	
True White	CRI 70	1300 lm	1600 lm
Natural White	CRI 70	1150 lm	1500 lm
Warm White	CRI 80	1000 lm	1300 lm

Chipsets		CREE XP-L	
Power Consumption		15W	20W
Beam Angle	50%	60° / 100°	
True White	CRI 65	1600 lm	1950 lm
Natural White	CRI 75	1450 lm	1750 lm
Warm White	CRI 80	1200 lm	1600 lm

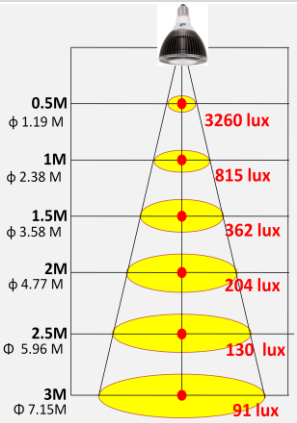
※All Lamp Luminous Flux Data are indicated in max values

Illuminance at Distance

REBEL ES-15W-60D TW



REBEL ES-15W-60D WW



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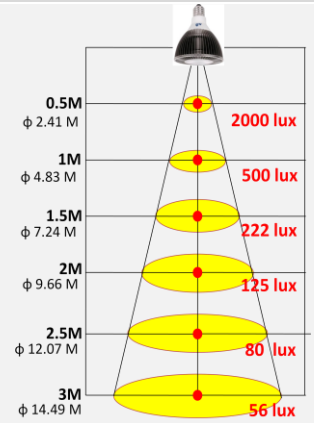

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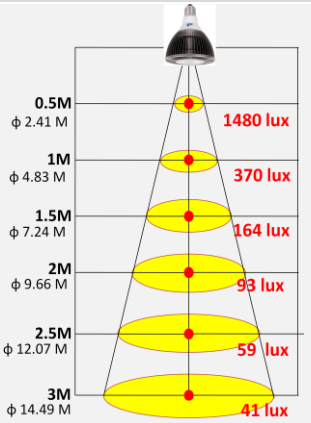

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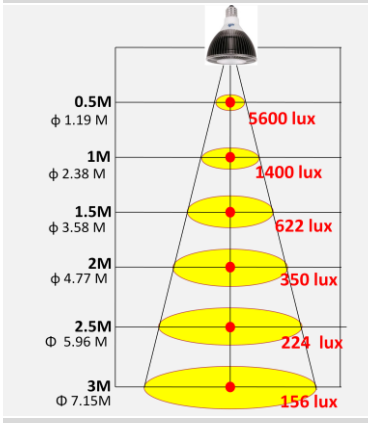

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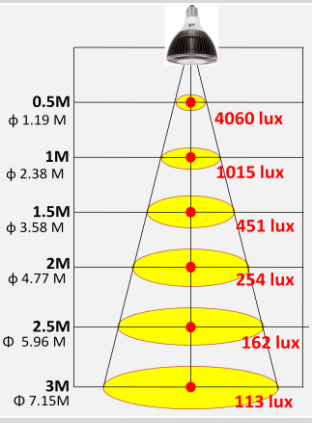

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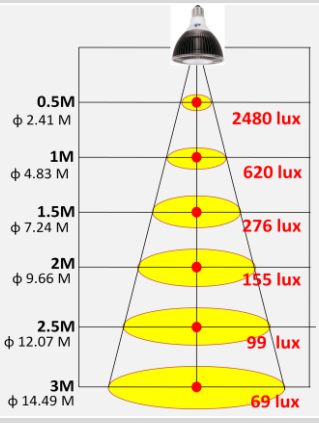

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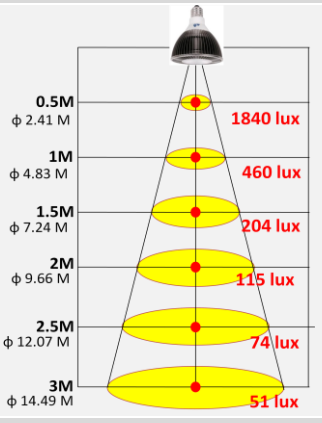

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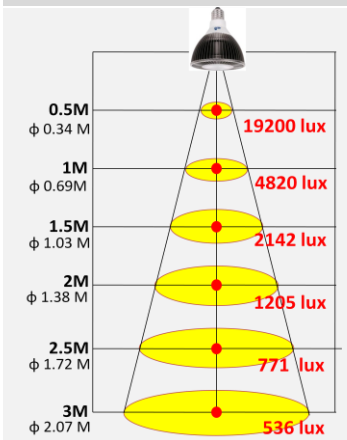

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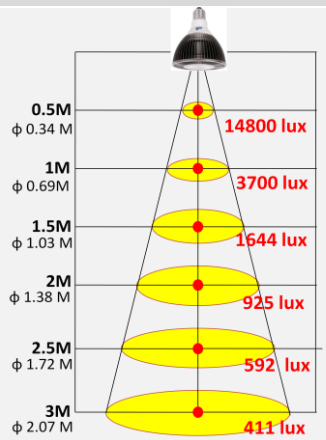

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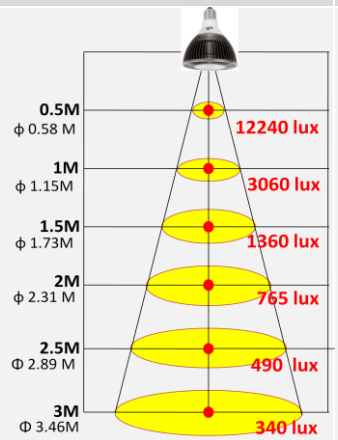

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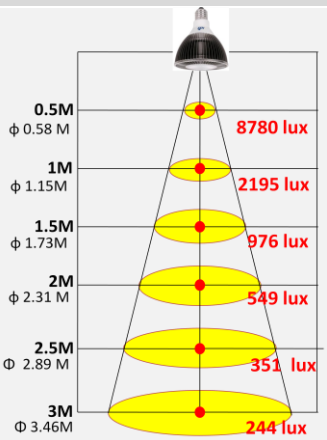

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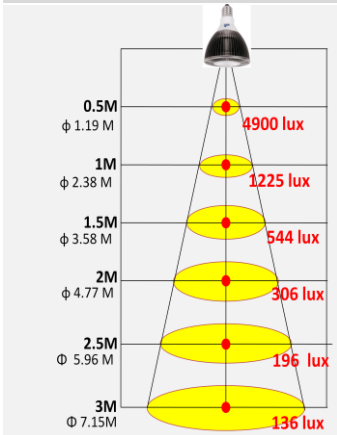

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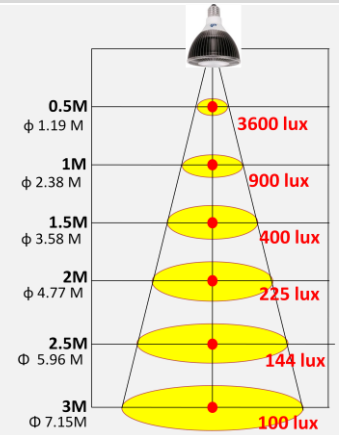

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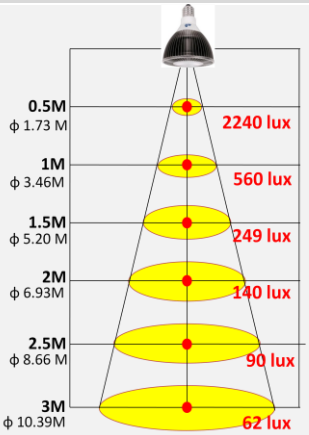

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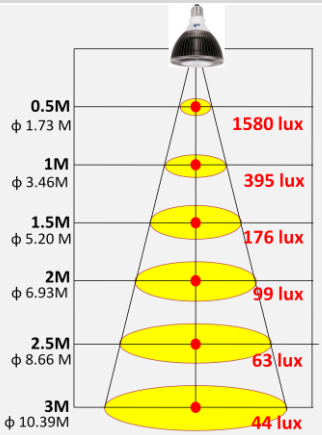
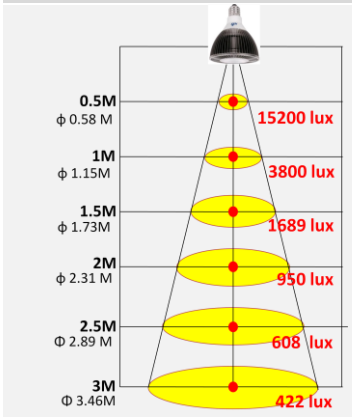
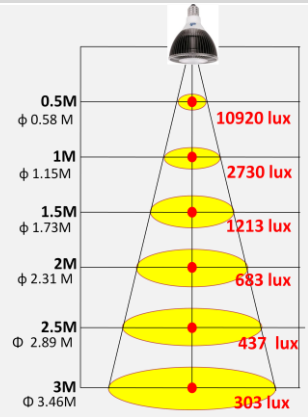


Illuminance at Distance

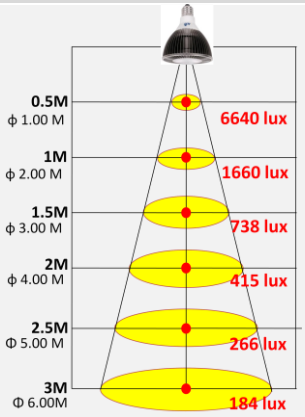
CREE XT-E-15W-25D TW



CREE XT-E-15W-25D WW



CREE XT-E-15W-40D TW



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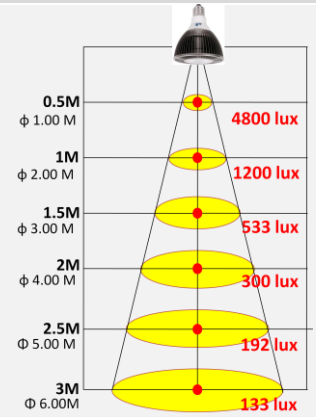

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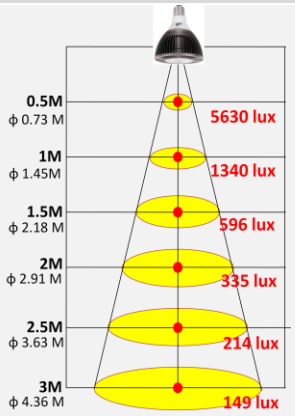

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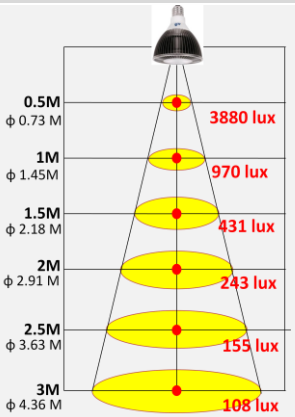

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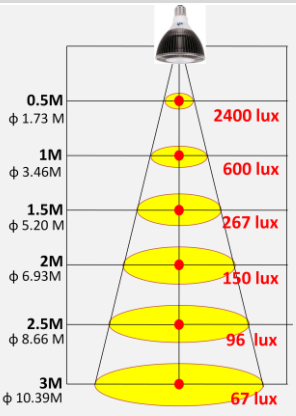

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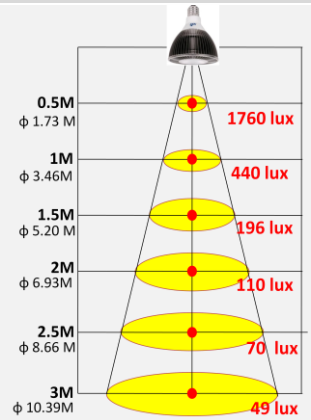

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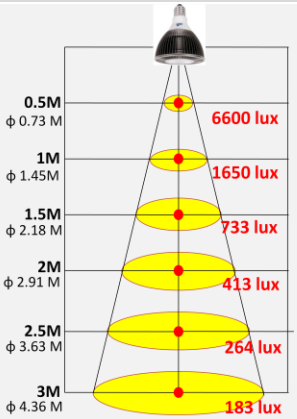

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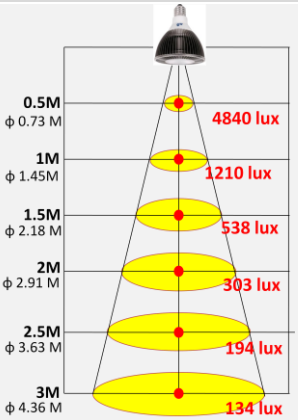

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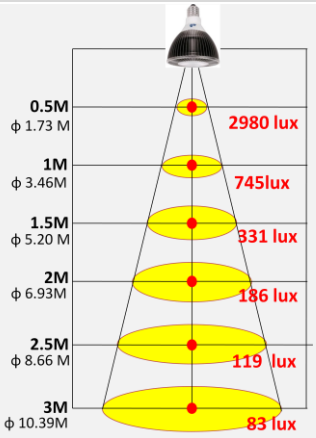

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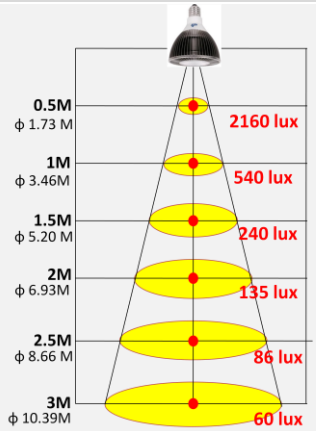
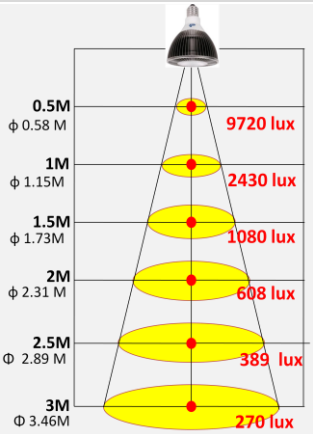
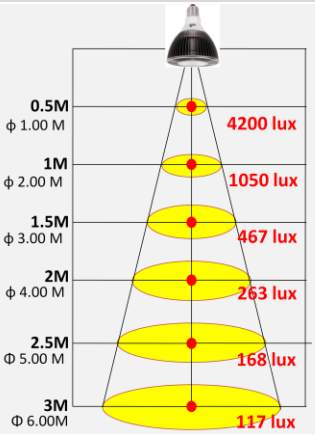


CREE XT-E-15W-25D WW (2200K)



CREE XT-E-15W-40D WW (2200K)



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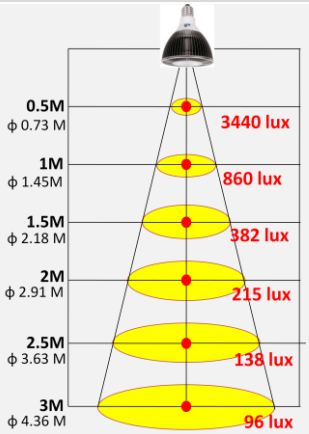
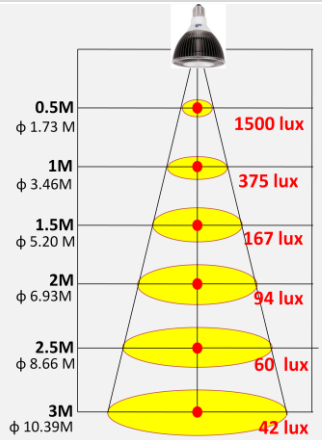
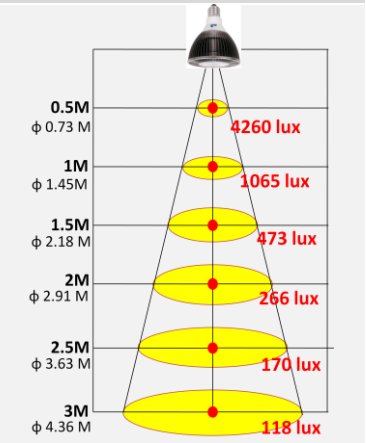


CREE XT-E-15W-100D WW(2200K)



Illuminance at Distance

CREE XT-E-20W-60D WW(2200K)



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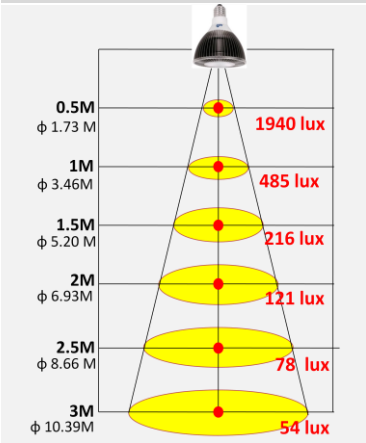
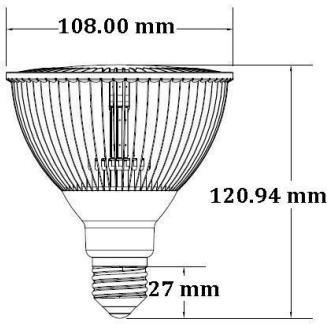


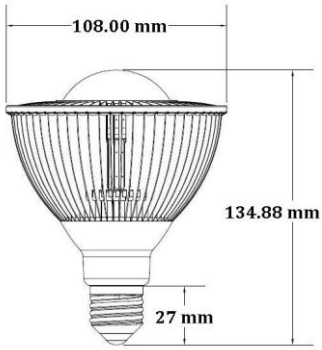
Mechanical Dimensions

P01

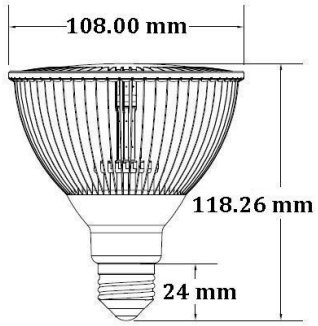
E26/27(EURO)
Beam Angle 15°, 20°, 25°, 40°, 100°



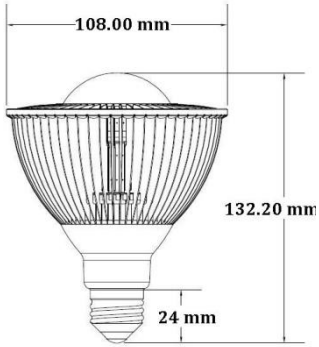
E26/27(EURO)
Beam Angle 60°



E26/24(US)
Beam Angle 15°, 20°, 25°, 40°, 100°

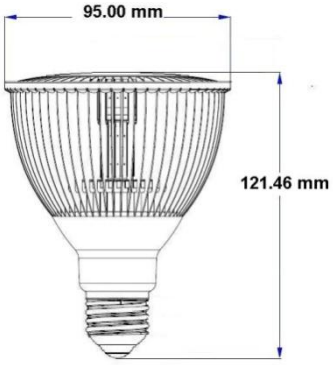


E26/24(US)
Beam Angle 60°



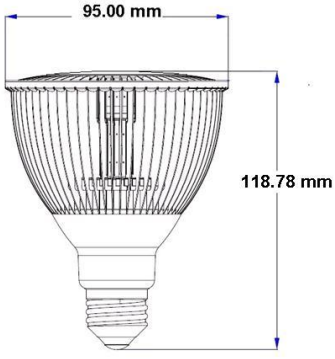
P02

E26/27(EURO)
Beam Angle 15°, 20°, 25°, 40°, 100°

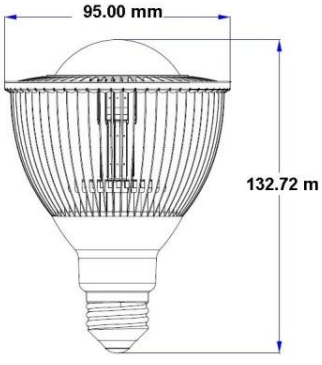


E26/27(EURO)
Beam Angle 60°

E26/24(US)
Beam Angle 15°, 20°, 25°, 40°, 100°



E26/24(US)
Beam Angle 60°



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