

PAR30



Upgraders Energi   
Retrofit series

# 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



## 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

Upgraders Energi  
Spar på energien - ikke lyset

# Specifications

Item	Specification	Details
Output	Beam Angle	25°,38°, 60°, 90°, 100°, 135°
	Colour Range	TW / NW / WW
	Lumen Maintenance	50,000 hours
Electrical	Input Voltage	100 ~ 240V 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)
	Humidity	0 – 95%, non-condensing
Certification and Safety	Certifications	PSE, Laser Testing, RoHS, CE FCC (On-Going) UL (On-Going)
	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

## 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	5000K	5500K	5700K
Warm White	2870K	3000K	3220K

# Chipset Luminous Flux

Chipsets		CREE XT-E	
Power Consumption		15W	20W
Beam Angle 10%		60° / 90° / 100° / 135°	100° / 135°
True White	CRI 70	1600 lm	2000 lm
Natural White	CRI 80	1300 lm	1650 lm
Warm White	CRI 80	1150 lm	1450 lm
		1000 lm (2200K)	1250 lm (2200K)

Chipsets		CREE XP-G		LUXEON Rebel ES	
Power Consumption		15W	20W	15W	20W
Beam Angle 10%		38°/100°/135°	100° / 135°	100° / 135°	
True White	CRI 80	1400 lm	1850 lm	1400 lm	1850 lm
Natural White	CRI 80	1150 lm	1550 lm	1150 lm	1550 lm
Warm White	CRI 80	1000 lm	1350 lm	1000 lm	1350 lm
	CRI 90	-	-	800 lm	1090 lm

Chipsets		CREE XB-D	
Power Consumption		15W	
Beam Angle 10%		38°/ 60° / 90° / 100° / 135°	
True White	CRI 70	1400 lm	
Natural White	CRI 80	1150 lm	
Warm White	CRI 80	1000 lm	

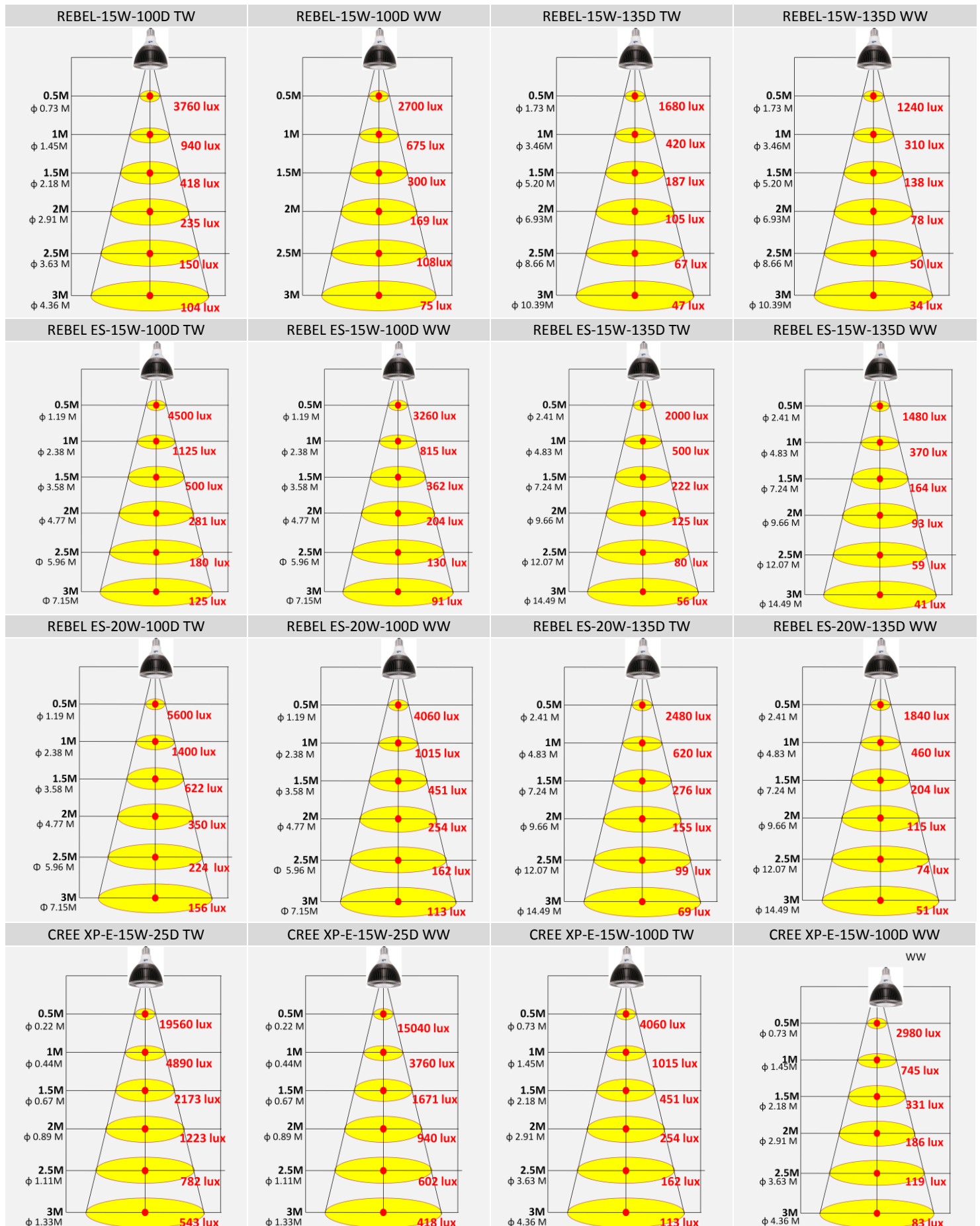
Chipsets		CREE XP-E	LUXEON Rebel
Power Consumption		15W	
Beam Angle 10%		25° / 100° / 135°	100° / 135°
True White	CRI 80	1100 lm	1100 lm
Natural White	CRI 80	950 lm	950 lm
Warm White	CRI 80	850 lm	850 lm
	CRI 90	-	690 lm

Chipsets		EPISTAR	
Power Consumption		15W	
Beam Angle 10%		100° / 135°	
True White	CRI 98	680 lm	
Warm White	CRI 98	520 lm	

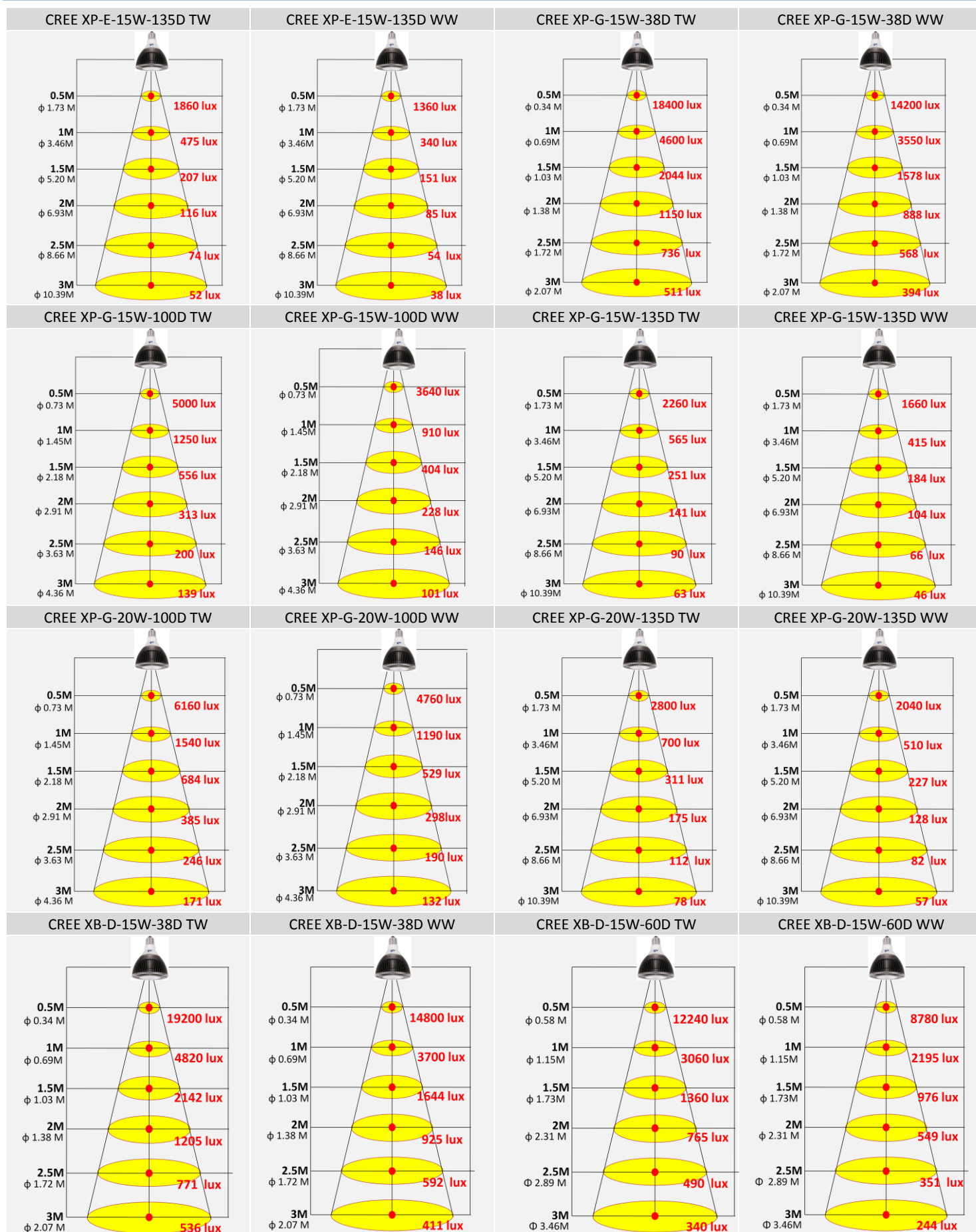
※All Chipset Luminous Flux Data are indicated in max values

Bemærk!  
Ra-værdier op til Ra 98 er muligt!  
Det bedst mulige inden for LED!

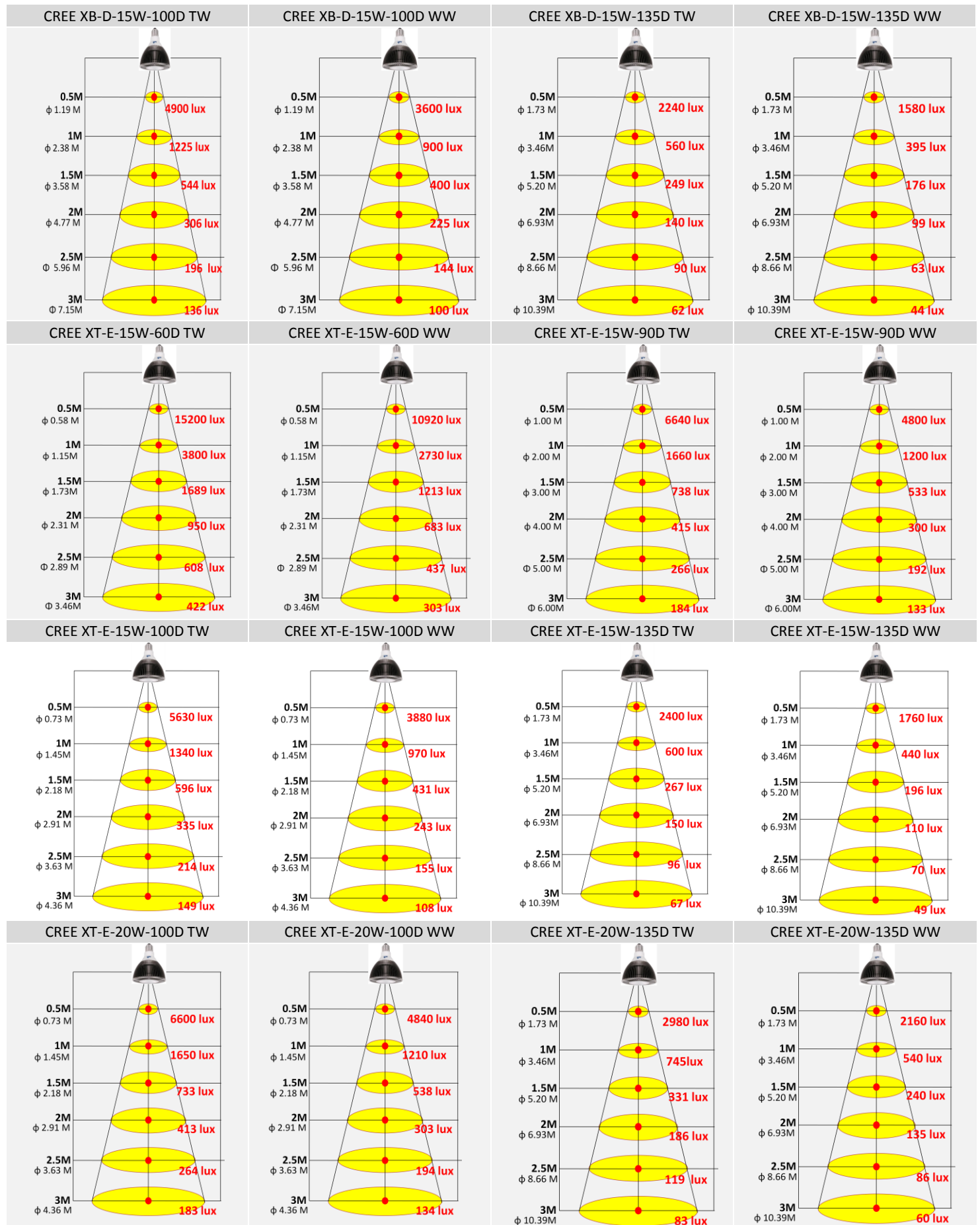
## Illuminance at Distance



## Illuminance at Distance

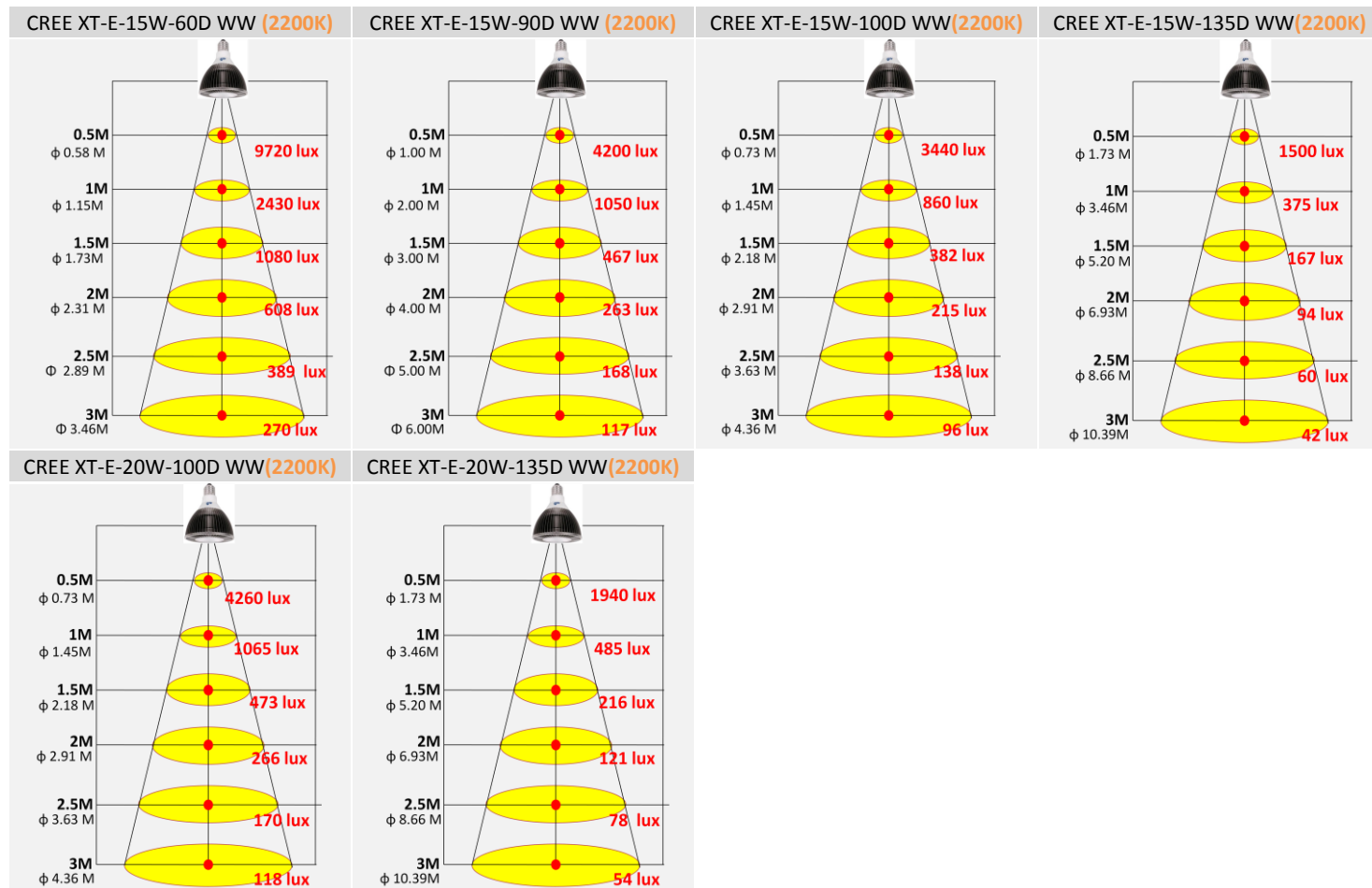


## Illuminance at Distance



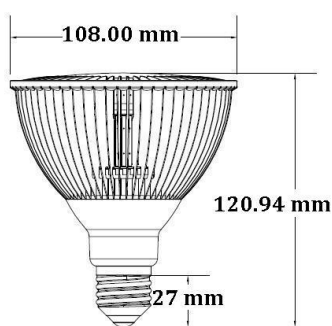


## Illuminance at Distance

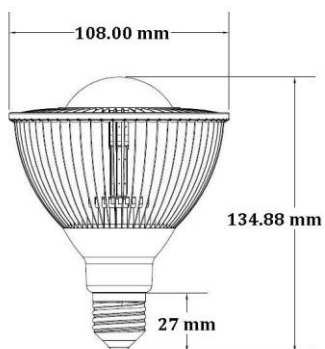


## Mechanical Dimensions

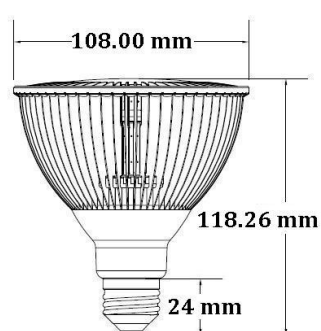
**E26/27(EURO)**  
Beam Angle 25°, 38°, 60°, 90°, 135°



**E26/27(EURO)**  
Beam Angle 100°



**E26/24(US)**  
Beam Angle 25°, 38°, 60°, 90°, 135°



**E26/24(US)**  
Beam Angle 100°

