# A55 Bulb

## Specification Sheet

## Product Introduction

Succeed from an original design concept; A55 bulb has the biggest heat-dissipation area among other similar products with pure aluminum heat fins. High efficient thermal conduct and heat dissipation will definitely increase product life span. Sketching from traditional light bulb, A55 bulb is able to replace original 60~80W incandescent lamp directly without alternation of original light fixture. It would save lots cost for users, and use for indoor lighting widely.

## Certificates

Intertek 3186663

## 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 | Light Distribution | 180° - Frosted Lens<br>360° - Clear Lens |
| | Colour Range | TW / NW / WW |
| | Lumen Maintenance | 40,000+ hours |
| Electrical | Input Voltage | 100 ~ 240V AC |
| | Power Factor | 0.85 ~ 0.9 |
| | Power Consumption | 10 Watts |
| Physical | Bases | · E26 / 24 (US)<br>· E26 / 27 (EURO)<br>· E17<br>· B22D |
| | Weight | 90 ~100 g |
| | Lens | Optics PMMA |
| | Operating Temperature | -85° F to 104° F (-65°C to 40°C) |
| | Humidity | 0 – 95%, non-condensing |
| Certification and Safety | Certifications | CE, FCC, RoHS, Laser Testing, REACH |
| | Environment | Not for use in totally enclosed fixtures<br>Suitable for damp location |
| | Warranty | 2 years |
| | | |

## Optical Characteristics

### Dominant Wavelength (nm) or Colour Temperature (K)

#### LUXEON LED chips

| Correlated Colour Temperature | Min. | Typ. | Max. |
|---|---|---|---|
| True White | 4500K | 6500K | 10000K |
| Natural White | 3500K | 4100K | 4500K |
| Warm White | 2540K | 3100K | 3500K |

#### EPISTAR LED chips

| Correlated Colour Temperature | Min. | Typ. | Max. |
|---|---|---|---|
| True White | 4750K | 5000K | 10000K |
| Warm White | 2600K | 3000K | 3250K |

#### CREE LED chips

| Correlated Colour Temperature | Min. | Typ. | Max. |
|---|---|---|---|
| True White | 4500K | 6500K | 10000K |
| Natural White | 3500K | 4100K | 4500K |
| Warm White | 2150K | 3100K | 3500K |

## Chipset Luminous Flux

| Chipsets | | CREE MT-G | CREE XP-G | CREE XP-E HEW |
|---|---|---|---|---|
| Power Consumption | | 10 W | 10 W | 10 W |
| Light Distribution | | | 180° / 360° ( Omni direction) | |
| True White | CRI 80 | CRI 75 1200 lm | 1150 lm | 960 lm |
| Natural White | CRI 80 | 950 lm | 900 lm | 850 lm |
| Warm White | CRI 80 | 800 lm | 720 lm | 700 lm |

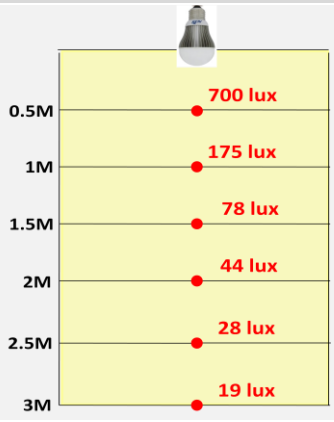
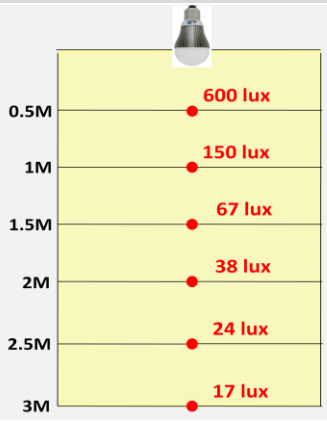
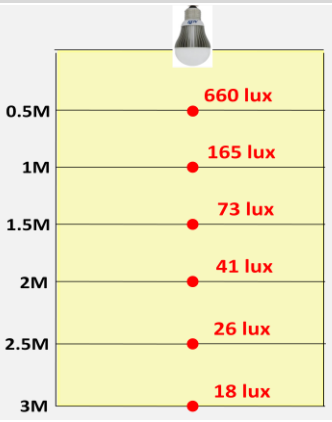
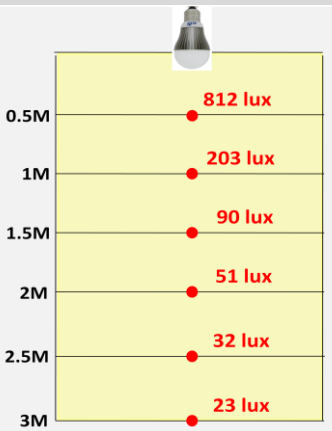
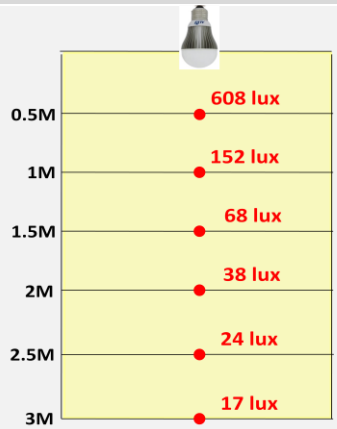
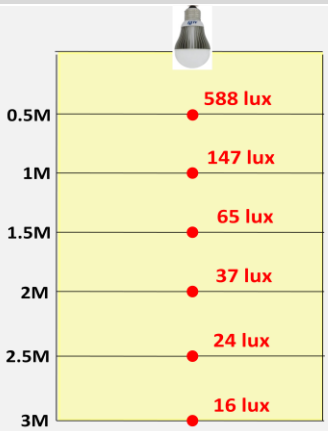
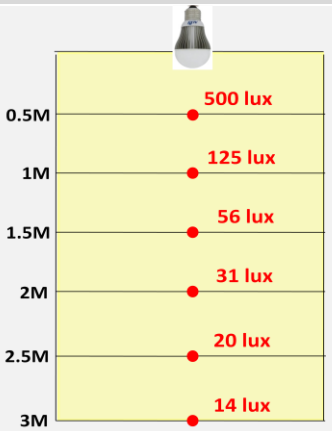
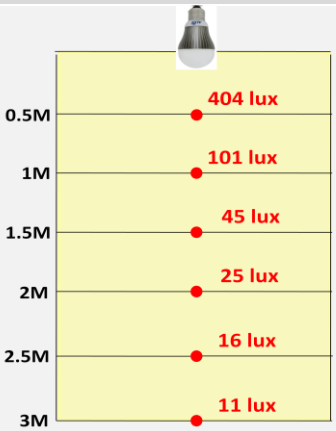
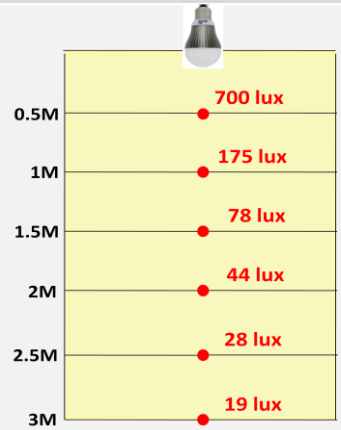
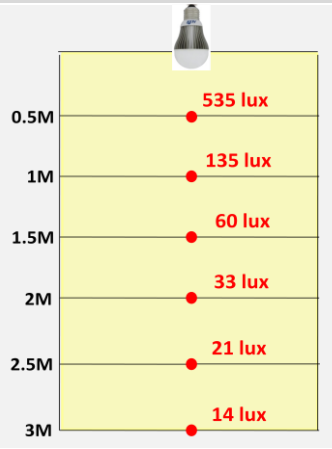
| Chipsets | | LUXEON Rebel ES | LUXEON Rebel |
|---|---|---|---|
| Power Consumption | | 10 W | 10 W |
| Light Distribution | | | 180° / 360° ( Omni direction) |
| True White | CRI 80 | 1120 lm | 850 lm |
| Natural White | CRI 80 | 900 lm | 800 lm |
| Warm White | CRI 80 | 720 lm | 580 lm |
| | CRI 90 | 580lm | 470lm |

| Chipsets | | EPISTAR | CREE XM-L |
|---|---|---|---|
| Power Consumption | | 10W | |
| Light Distribution | | | 180° / 360° ( Omni direction ) |
| True White | CRI 70 | 850 lm | CRI75 880 lm |
| Natural White | CRI 80 | - | 770 lm |
| Warm White | CRI 80 | 580 lm | 650 lm |

| Chipsets | | CREE XB-D | CREE XT-E |
|---|---|---|---|
| Power Consumption | | 10 W | |
| Light Distribution | | 180° | |
| True White | CRI 70 | 1150 lm | 1250 lm |
| Natural White | CRI 80 | 900 lm | 1000 lm |
| Warm White | CRI 80 | 720 lm | 850 lm<br>750 lm (2200K) |

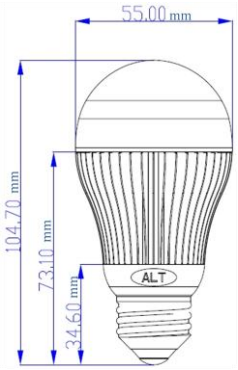
※All Chipset Luminous Flux Data are indicated in max values.

## Illuminance at Distance

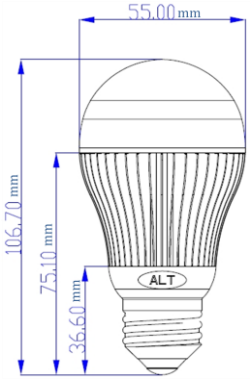
| CREE MT-G-10W-180D TW | CREE MT-G-10W-180D WW | CREE XP-G-10W-180D TW | CREE XP-G-10W-180D NW |
|---|---|---|---|
|  |  |  |  |
|  |  |  |  |
| **CREE XP-G-10W-180D WW** | **CREE XP-E HEW -10W-180D NW** | **LUXEON Rebel ES-10W-180D TW** | **LUXEON Rebel ES-10W-180D NW** |
|  |  |  |  |
|  |  |  |  |
| **LUXEON Rebel ES-10W-180D WW** | **LUXEON Rebel -10W-180D TW** | **LUXEON Rebel -10W-180D NW** | **LUXEON Rebel -10W-180D WW** |
|  |  |  |  |
|  |  |  |  |
| **EPISTAR-10W-180D TW** | **EPISTAR-10W-180D WW** | **CERR XML-10W-180D TW** | **CERR XML -10W-180D WW** |
|  |  |  |  |
|  |  |  |  |

## Mechanical Dimensions

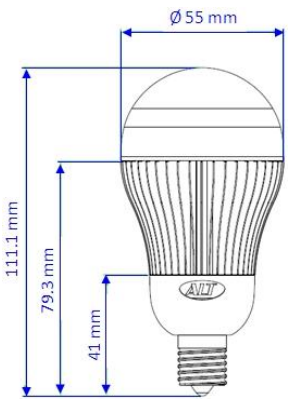
**Design E26/24 (US)**




**Design E26 / 27 (EURO)**




**Design E17**




**Design B22D**