

Street Light



ALTLED®

Lodestar Series

Specification Sheet

Product Introduction

Used in the past as a guide to navigators, Lodestar is a bright, eternal and easily found star. ALT's Lodestar is the most efficient, and bright street light in the LED industry as what people are expecting to the stars. Possessing a high stability lighting due to its unique current fluctuation protection, our Street Lights can be placed in the harshest conditions. With a CRI of 80, Lodestar Series provides high brightness and at the same time a much improved night vision to increase pedestrian and vehicle safety. Once a traditional street light is replaced for a Lodestar Street Light, your operating and maintenance costs will be reduced up to 60% dramatically. In addition, the light of our Street Lights can be easily directed, avoiding sending light in a directions to prevent from energy wasting. Beautiful, cost-saving, and with an incredible long life-span, Lodestar Series is perfect to be a shining star in your street.

Certificates



Features

- ✓ IP68 waterproof standard.
- ✓ Integration of a patented aerospace structural design ensures optimal cooling.
- ✓ Original high-power LED chips.
- ✓ CRI 80 high-brightness.

Application

- ✓ Street Lighting.
- ✓ Parking Applications.



Specifications

| Item | Specification | Details |
|---|-----------------------|---|
| Output | Beam Angle | 15° / 20° / 25° / 30° / 45° / 60° / 90° |
| | | Type I, Short 120° x 50° |
| | | Type I, Medium 135° x 50° |
| | | Type II, Short 130° |
| Electrical | Colour Range | TW / NW / WW |
| | Lumen Maintenance | 50,000 hours (L70 / B50) |
| | Input Voltage | 100 ~ 240V AC |
| Physical | Power Consumption | 285 Watts |
| | Power Factor | ≥ 0.9 |
| | Weight | 13.1kg (285 Watts) |
| | Lens | Optics PMMA |
| | Operating Temperature | -4° F to 121° F (-20°C to 50°C) |
| | Humidity | 0 – 95%, non-condensing |
| Certification and Safety | Certifications | CE, RoHs, Laser, ETL |
| | Environment | 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 | 5000K | 6000K | 10000K |
| Natural White | 3700K | 4300K | 5000K |
| Warm White | 2150K | 3000K | 3700K |

OSRAM LED Chips

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

Lamp Luminous Flux

100 ~ 240V AC

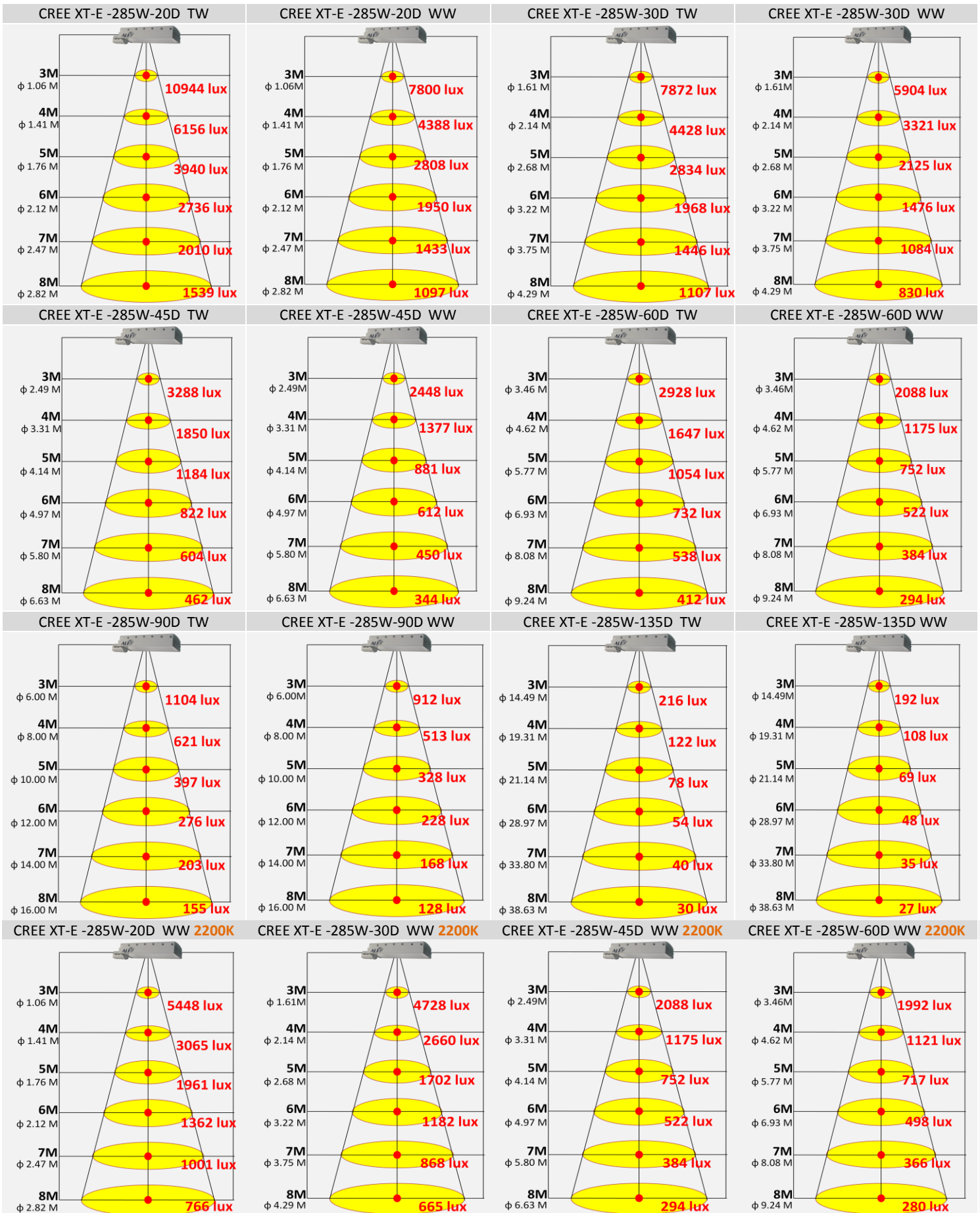
| Chipsets | CREE XT-E | |
|-------------------|---|------------------|
| Power Consumption | 285 W | |
| Beam Angle | 20° / 25° / 30° / 45° / 60° / 90° / 130° 120°x 50° / 135°x 50° | |
| True White | CRI 70 | 24000 lm |
| Natural White | CRI 80 | 21000 lm |
| Warm White | CRI 80 | 18000 lm |
| | CRI 90 | 16500 lm (2200K) |
| | | 14400 lm |

| Chipsets | OSRAM Square | |
|-------------------|--|----------|
| Power Consumption | 285 W | |
| Beam Angle | 15° / 20° / 25° / 45° / 60° / 90° / 130° / 135° / 120° x 50° / 135°x50° | |
| True White | CRI 70 | 27000 lm |
| Natural White | CRI 70 | 25000 lm |
| Warm White | CRI 80 | 22000 lm |
| | CRI 92 | 17500 lm |

| Chipsets | CREE XP-L | |
|-------------------|------------------------------------|----------|
| Power Consumption | 285 W | |
| Beam Angle | 30° / 130° / 120° x 50° / 135°x50° | |
| True White | CRI 65 | 27500 lm |
| Natural White | CRI 75 | 25000 lm |
| Warm White | CRI 80 | 22800 lm |

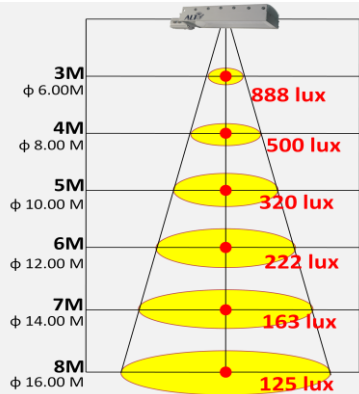
※All Lamp Luminous Flux Data are indicated in max values.

Illuminance at Distance

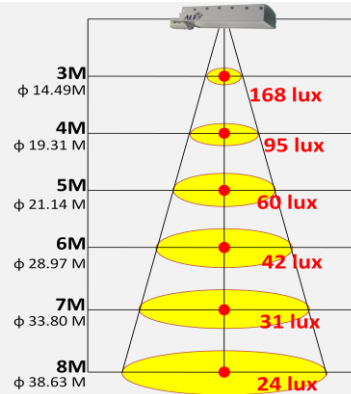


Illuminance at Distance

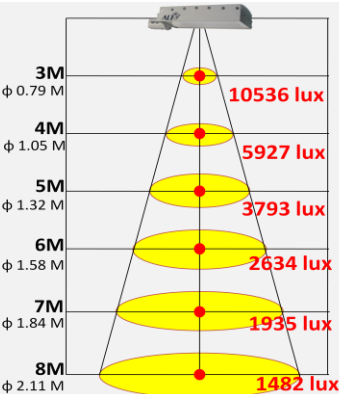
CREE XT-E -285W-90D WW 2200K



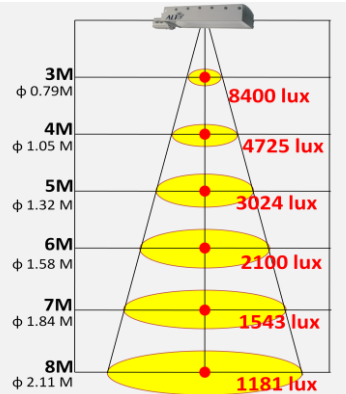
CREE XT-E -285W-135D WW 2200K



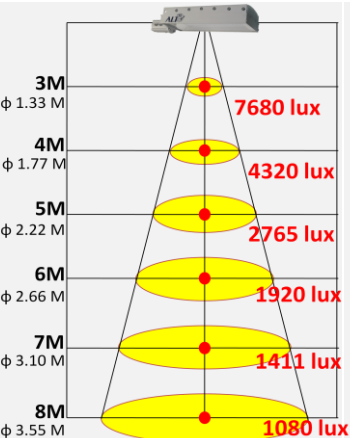
OSRAM Square -285W-15D TW



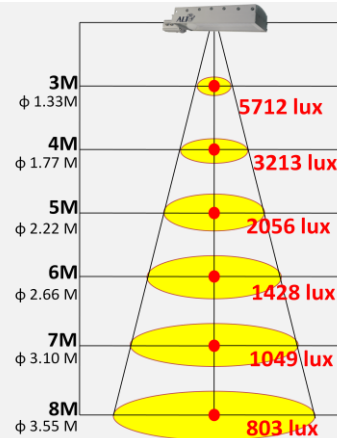
OSRAM Square -285W-15D WW



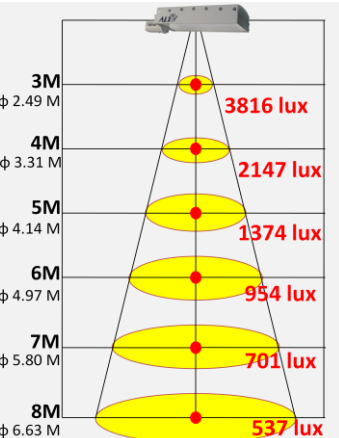
OSRAM Square -285W-25D TW



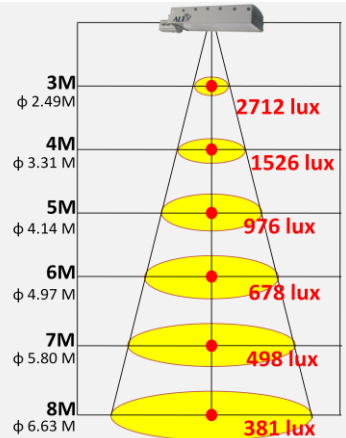
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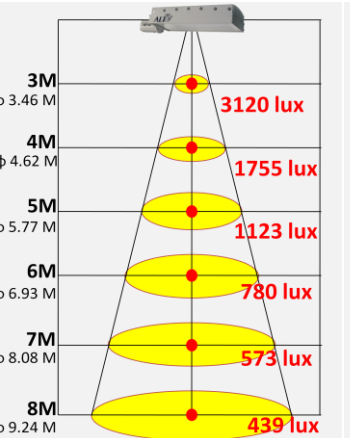
OSRAM Square -285W-45D TW



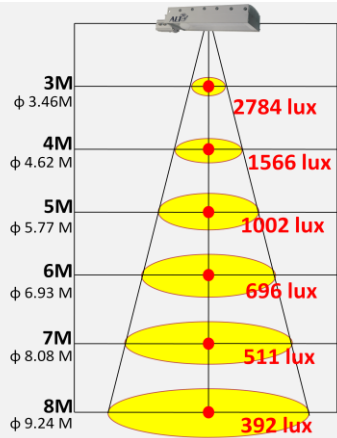
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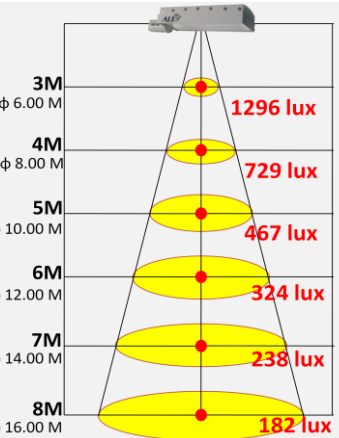
OSRAM Square -285W-60D TW



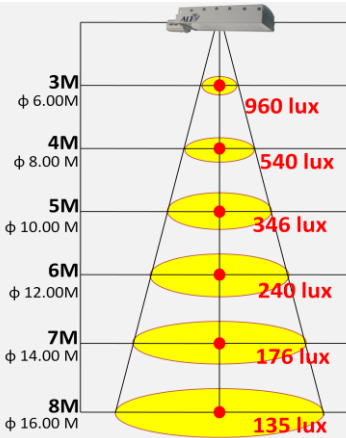
OSRAM Square -285W-60D WW



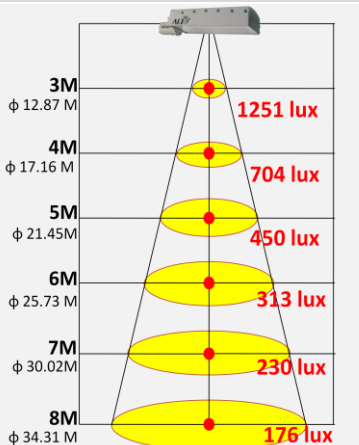
OSRAM Square -285W-90D TW



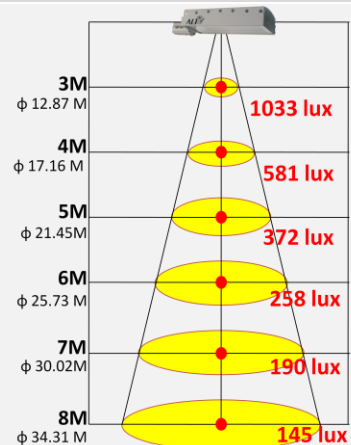
OSRAM Square -285W-90D WW





CREE XPL -285W-130D TW



CREE XPL -285W-130D WW



Accessories

| Category | Model Name | Photo |
|----------|---|---|
| SPD | Surge Protective Device (SPD) 20KV (External / Internal Optional) |  |
| | Surge Protective Device (SPD) 40KV (External) | |
| Adapter | Waterproof Cable Adapter |  |

Mechanical Dimensions

