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 all 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

CE ETL Intertek 3186663 RoHS Compliant Laser Testing Compliant

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° Type V, Medium 135°
	Colour Range	TW / NW / WW
	Lumen Maintenance	50,000 hours (L70 / B50)
Electrical	Input Voltage	100 ~ 240V AC
	Power Consumption	285 Watts
	Power Factor	≧0.9
Physical	Weight	13.1kg (285 Watts)
	Lens	Optics PMMA
	Operating Temperature	-40° F to 121° F (-40°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	2100K	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

Chipset 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	33000 lm
Natural White	CRI 80	28000 lm
Warm White	CRI 80	24000 lm 21000 lm (2200K)
	CRI 90	19200 lm

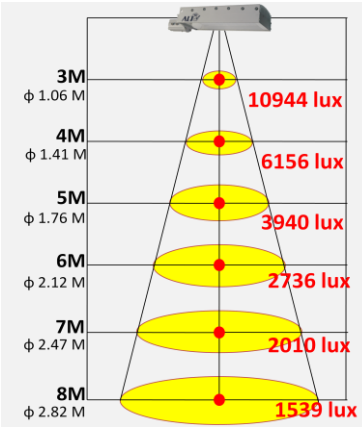
Chipsets		OSRAM Square
Power Consumption		285 W
Beam Angle		15° / 20° / 25° / 45° / 60° / 90° / 130° / 135° / 120° x 50° / 135°x50°
True White	CRI 70	36000 lm
Natural White	CRI 70	32000 lm
Warm White	CRI 80	27000 lm
	CRI 92	21500 lm

Chipsets		CREE XP-L
Power Consumption		285 W
Beam Angle		30° / 130°
True White	CRI 65	39000 lm
Natural White	CRI 75	36000 lm
Warm White	CRI 80	32500 lm

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

Illuminance at Distance

CREE XT-E -285W-20D TW



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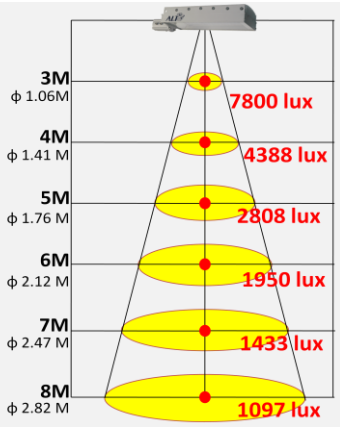

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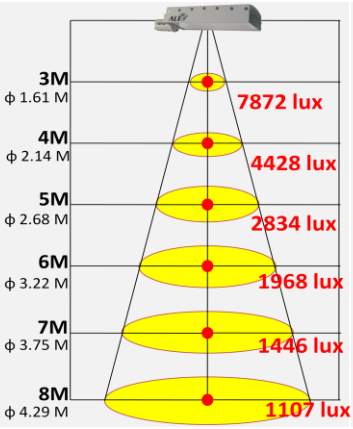

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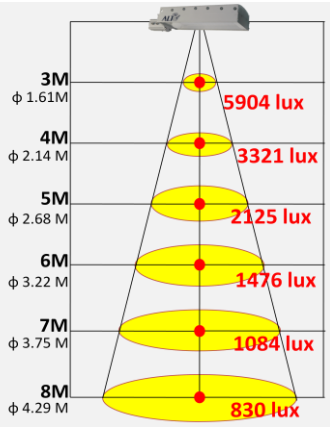

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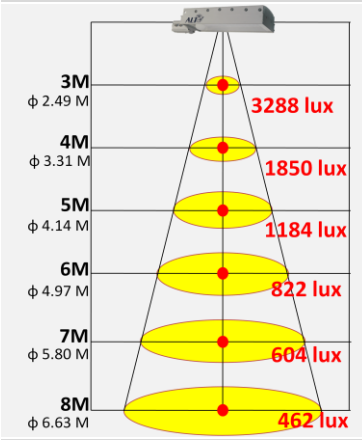

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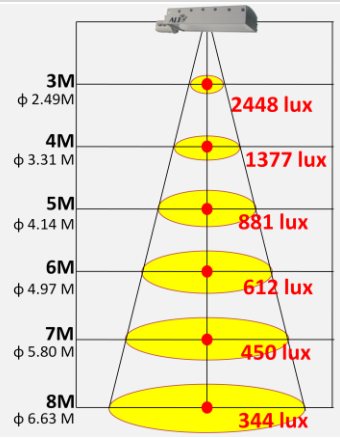

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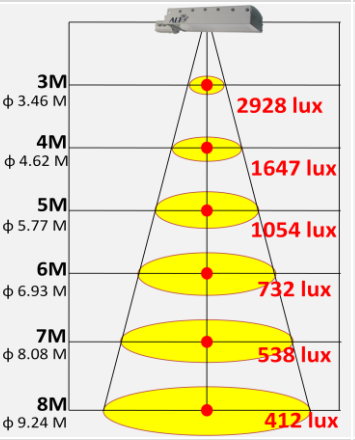

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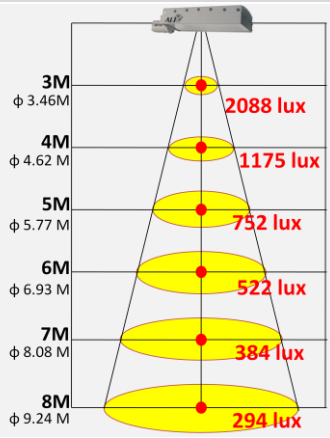

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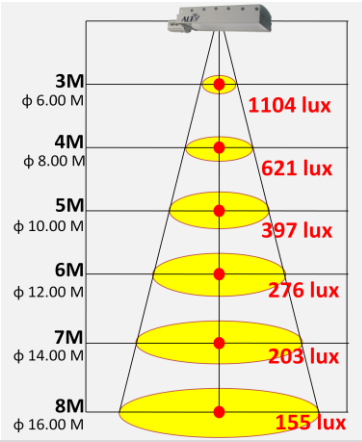

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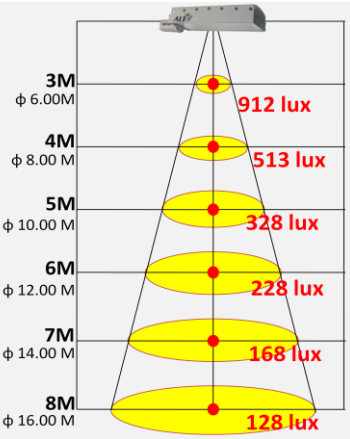

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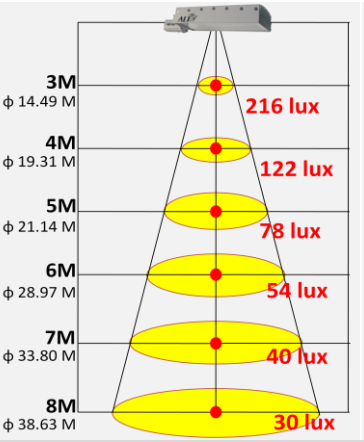

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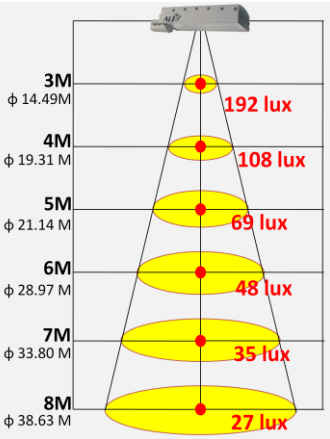
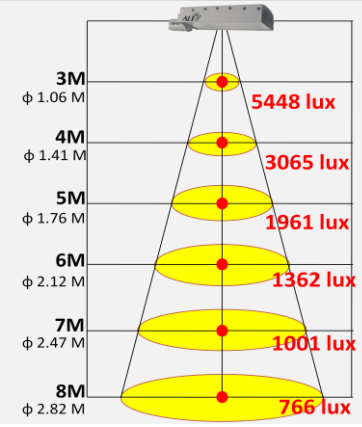


CREE XT-E -285W-20D WW 2200K



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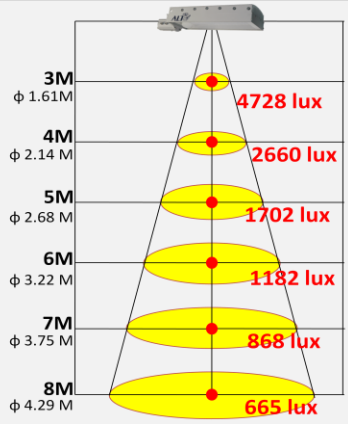

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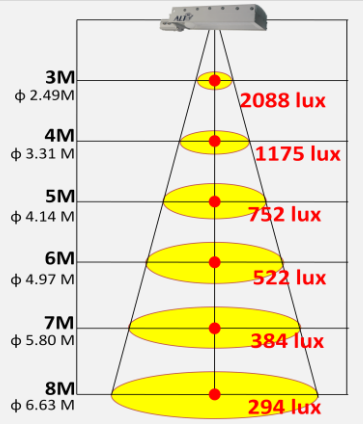

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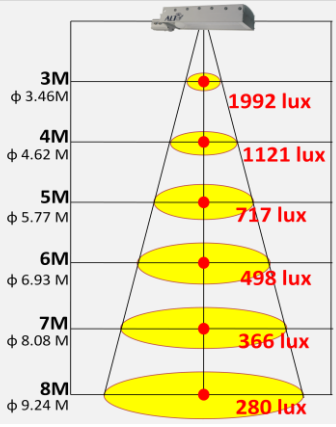
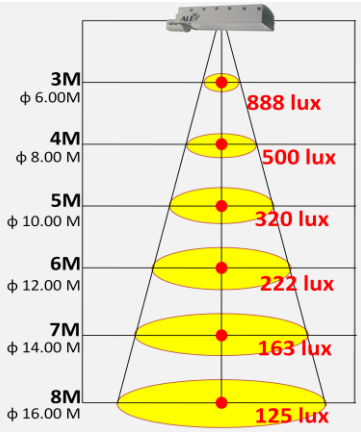


Illuminance at Distance

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



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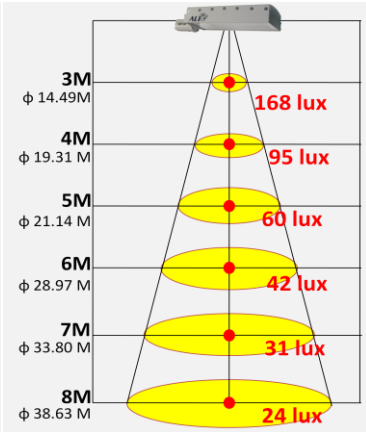
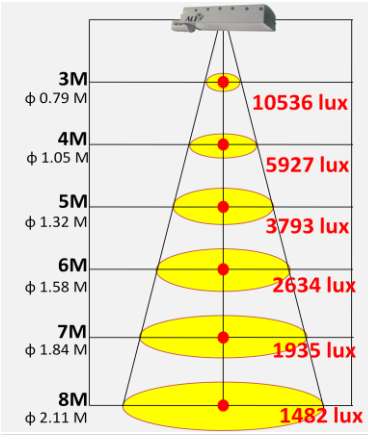


OSRAM Square -285W-15D TW



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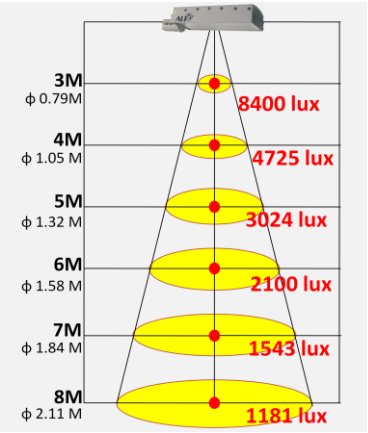

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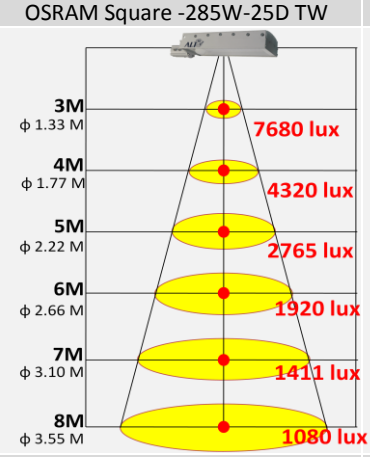

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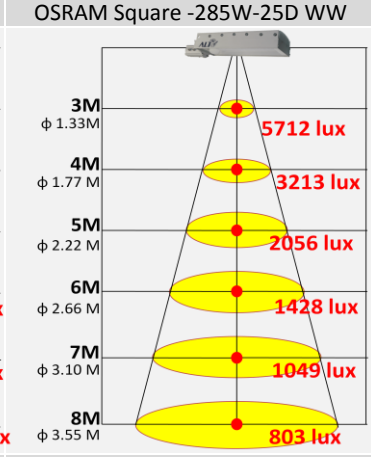

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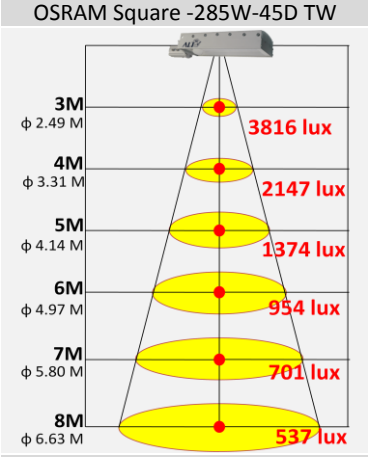

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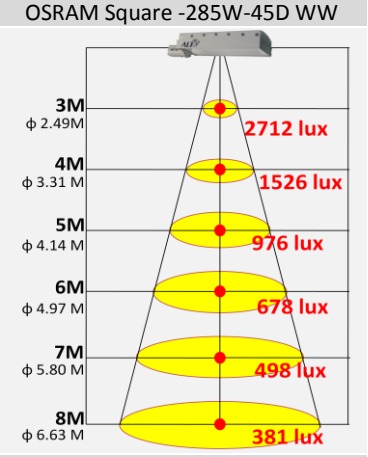

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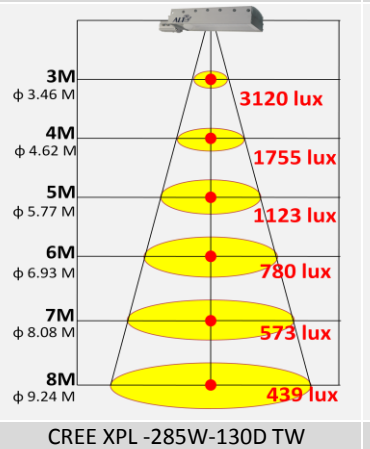

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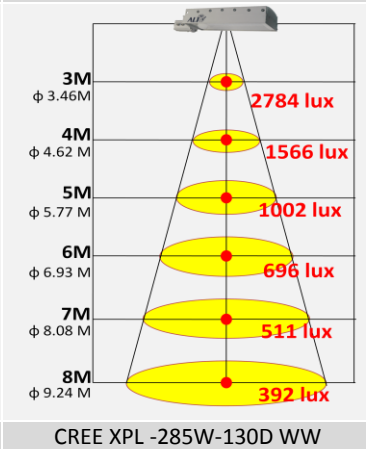
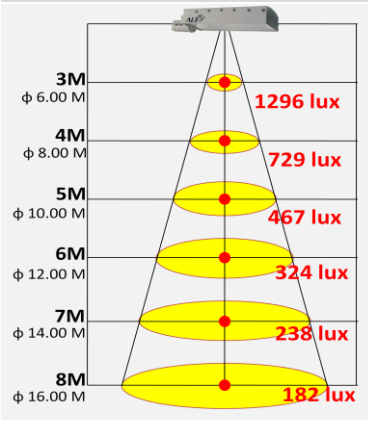
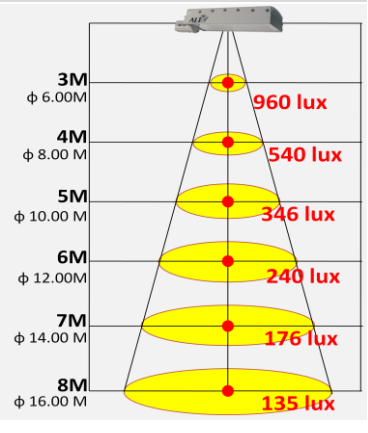


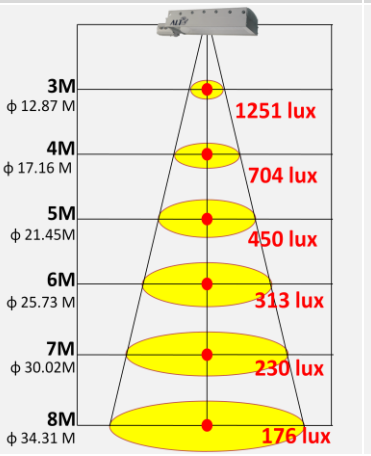
OSRAM Square -285W-90D TW



OSRAM Square -285W-90D WW



CREE XPL -285W-130D TW



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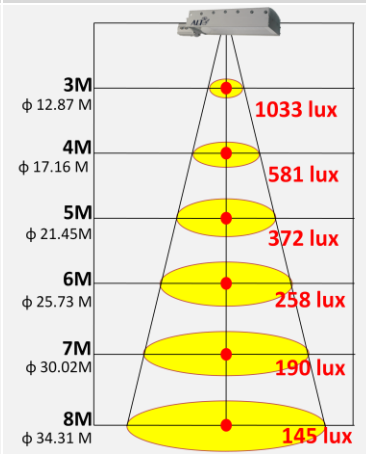
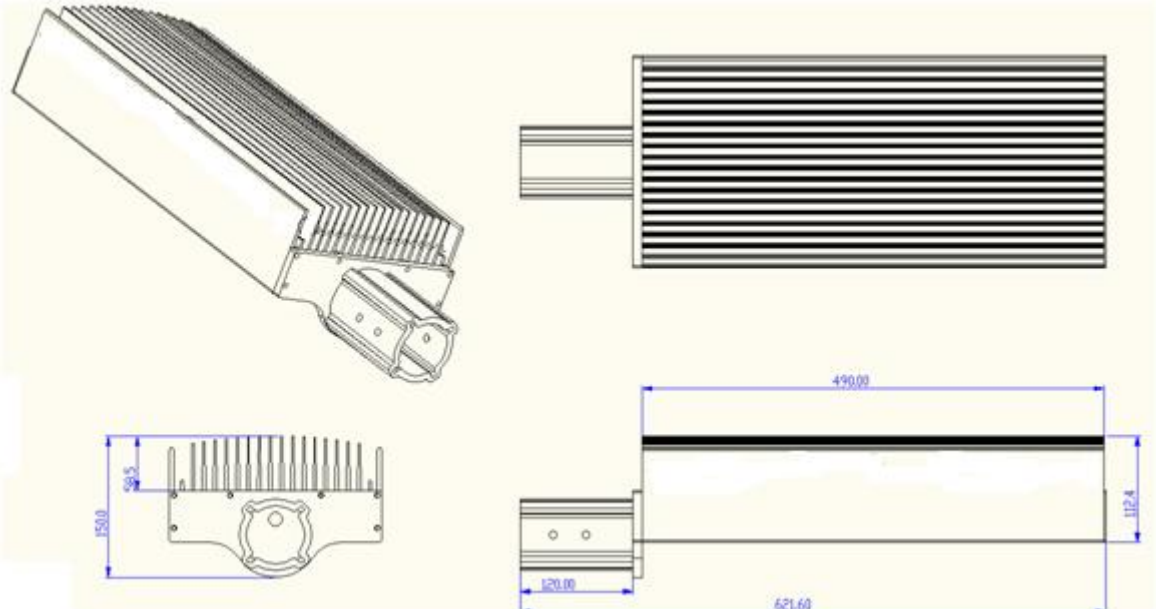


Accessories

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



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