

Street Light



ALTLED®

# Lodestar Series

T500 Pre\_Spec

## Product Introduction

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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

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## Features

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

## Application

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- ✓ 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°
	Colour Range	TW / NW / WW
	Lumen Maintenance	50,000 hours
Electrical	Input Voltage	100 ~ 277V AC
	Power Consumption	485 Watts (External driver)
	Power Factor	≥0.9
Physical	Weight	16kg ( 485 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
	Environment	Suitable for damp location
	Warranty	3 years
<b>Two Million Worldwide Product Liability Insurance.</b>		

## 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 ~ 277V AC

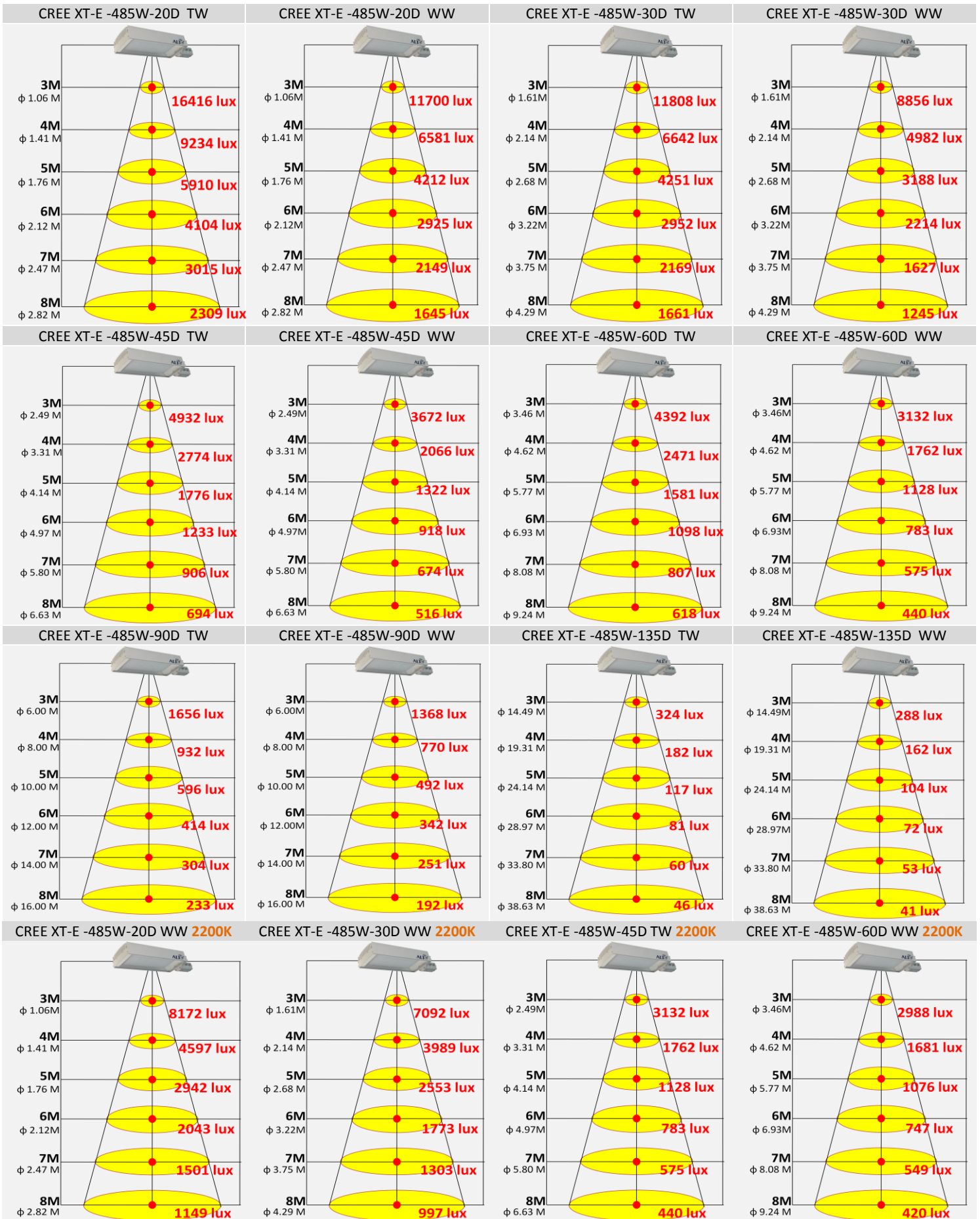
Chipsets	CREE XT-E	
Power Consumption	485W	
Beam Angle	20° / 25° / 30° / 45° / 60° / 90° / 130° / 120°x50° / 135°x50°	
True White	CRI 70	58000 lm
Natural White	CRI 80	50500 lm
Warm White	CRI 80	41500 lm
	CRI 90	33200 lm

Chipsets	OSRAM Square	
Power Consumption	485 W	
Beam Angle	15° / 20° / 25° / 45° / 60° / 90° / 130° / 135° / 120° x 50° / 135°x50°	
True White	CRI 70	60000 lm
Natural White	CRI 70	54000 lm
Warm White	CRI 80	43500 lm
	CRI 92	34800 lm (2400K) 34800 lm

Chipsets	CREE XP-L	
Power Consumption	485 W	
Beam Angle	30° / 130°	
True White	CRI 65	66500 lm
Natural White	CRI 75	61000 lm
Warm White	CRI 80	55000 lm

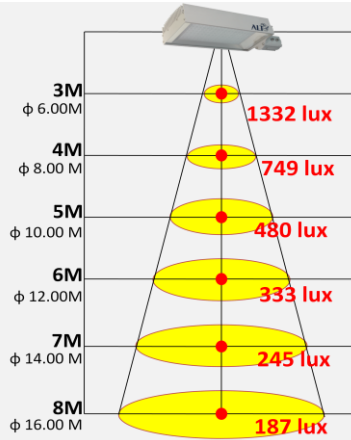
※All Chipset Luminous Flux Data are indicated in max values.

# Illuminance at Distance

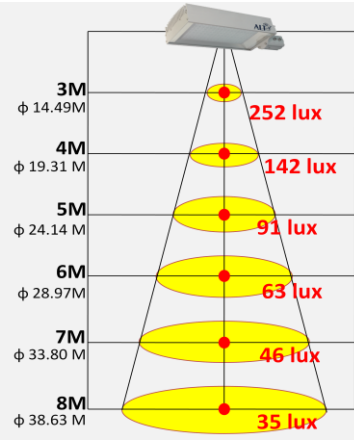


# Illuminance at Distance

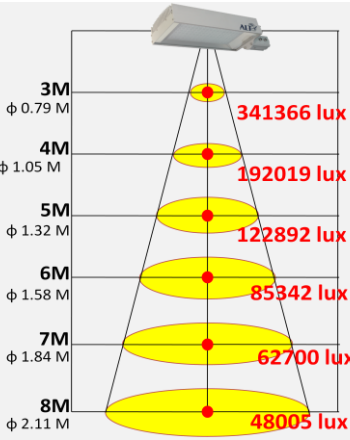
CREE XT-E -485W-90D WW 2200K



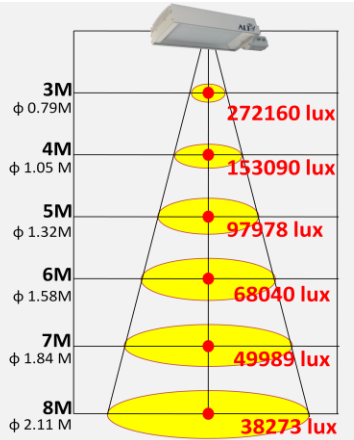
CREE XT-E -485W-135D WW 2200K



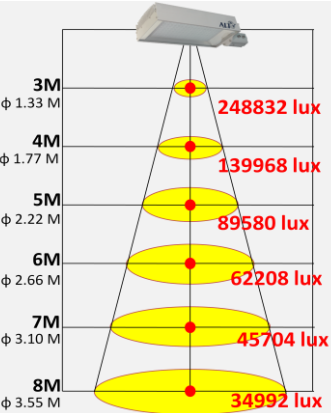
OSRAM Square -285W-15D TW



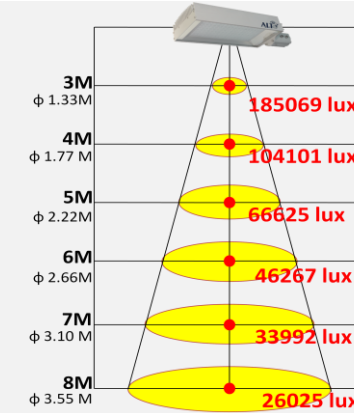
OSRAM Square -285W-15D WW



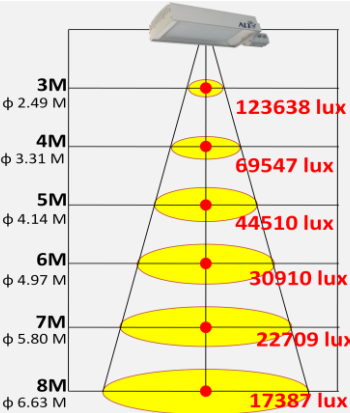
OSRAM Square -485W-25D TW



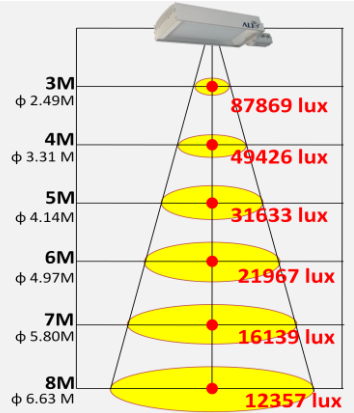
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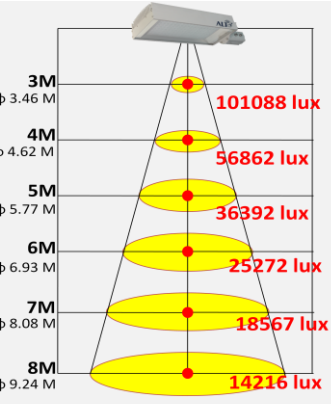
OSRAM Square -485W-45D TW



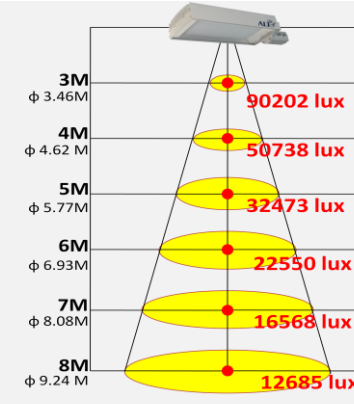
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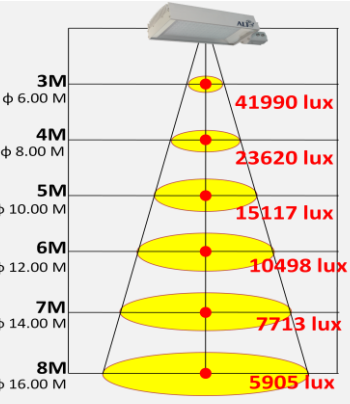
OSRAM Square -485W-60D TW



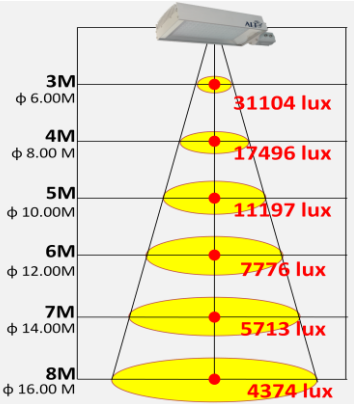
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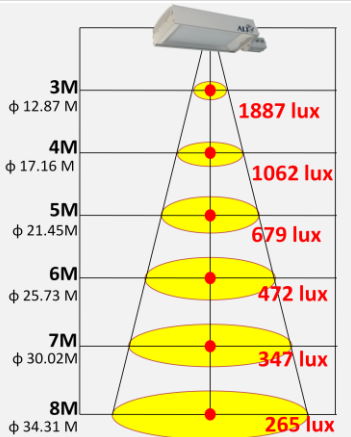
OSRAM Square -485W-90D TW



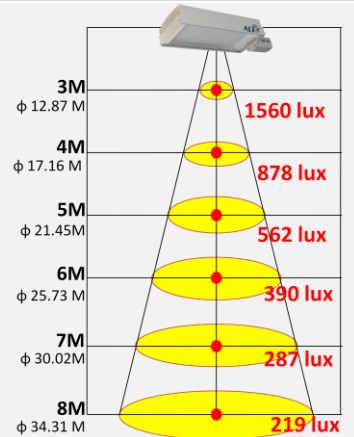
OSRAM Square -485W-90D WW





CREE XPL -485W-130D TW



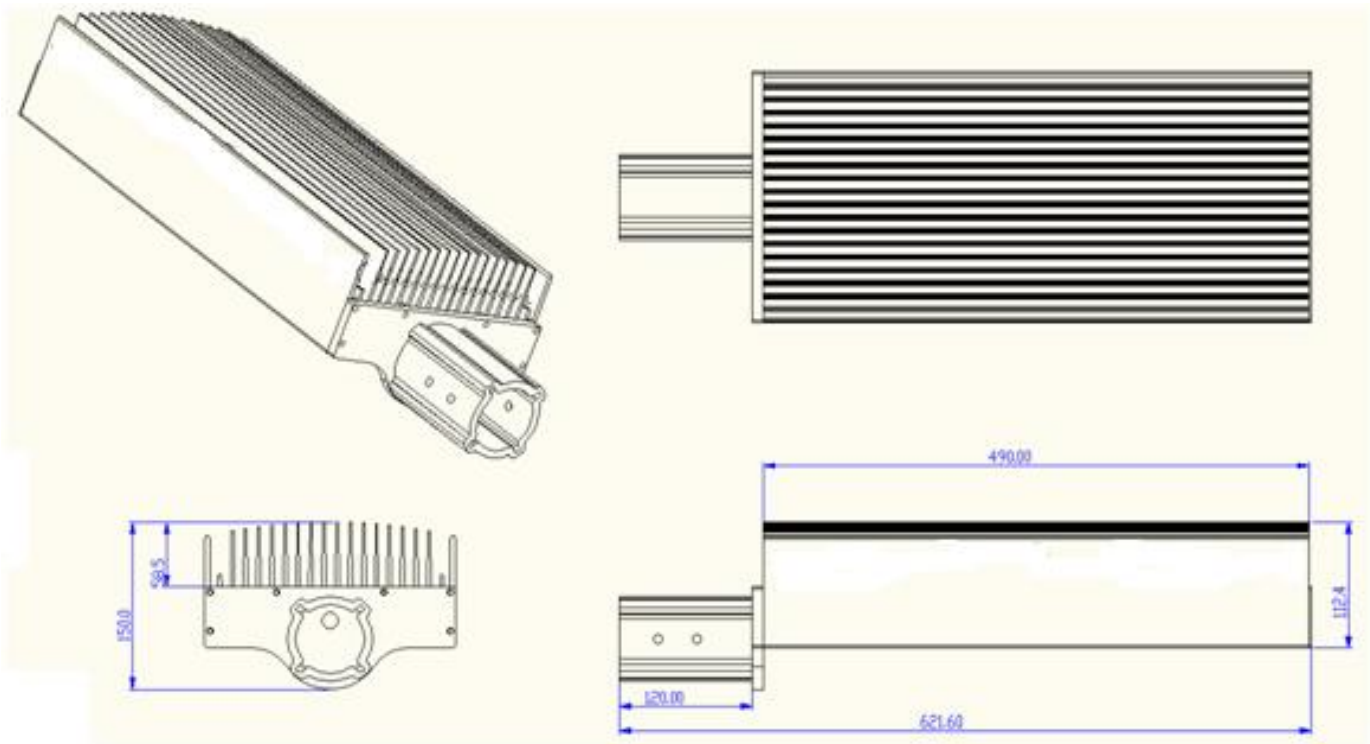
CREE XPL -485W-130D WW



## Accessories

Category	Model Name	Photo
SPD	Surge Protective Device (SPD)	
Adapter	Waterproof Cable Adapter	

## Mechanical Dimensions



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