

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



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° / 38° / 45° / 50° / 60° / 80° / 90° Type I, Short 120° x 50° Type I, Medium 135° x 50° Type II, Short 130° Type II, Short 120° x 60° Type III, Short 120° x 60° Type V, Medium 135°	
		Colour Range	TW / NW / WW
		Lumen Maintenance	50,000 hours (L70 / B50)
		Input Voltage	24V DC (For Solar Power System) 100 ~ 240V AC
Electrical	Power Consumption	192 Watts	
	Power Factor	≥ 0.9	
	Weight	11.3kg (192 Watts)	
Physical	Lens	Optics PMMA	
	Operating Temperature	-4° F to 121° F (-20°C to 50°C) -85° F to 121° F (-65°C to 50°C)	
	Humidity	0 – 95%, non-condensing	
	Certifications	CE, RoHs, Laser, ETL	
Certification and Safety	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

LUXEON LED Chips

Correlated Colour Temperature	Min.	Typ.	Max.
True White	4500K	5650K	10000K
Natural White	3500K	4100K	4500K
Warm White	2540K	3100K	3500K

Chipset Luminous Flux

24V DC / 100 ~ 240V AC

Chipsets	CREE XT-E	
Power Consumption	192 W	
Beam Angle	15° / 20° / 30° / 45° / 50° / 60° / 80° / 90° / 130° / 120° x 60° / 120° x 50° / 135° x 50°	
True White	CRI 70	21000 lm
Natural White	CRI 80	18500 lm
Warm White	CRI 80	15000 lm
	CRI 90	13200 lm (2200K)
		12000 lm

Chipsets	OSRAM Square	
Power Consumption	192 W	
Beam Angle	25° / 38° / 45° / 50° / 60° / 80° / 90° / 130° / 135° / 120° x 50° / 135° x 50° / 120° x 60°	
True White	CRI 70	23500 lm
Natural White	CRI 70	21000 lm
Warm White	CRI 80	17000 lm
	CRI 92	14000 lm

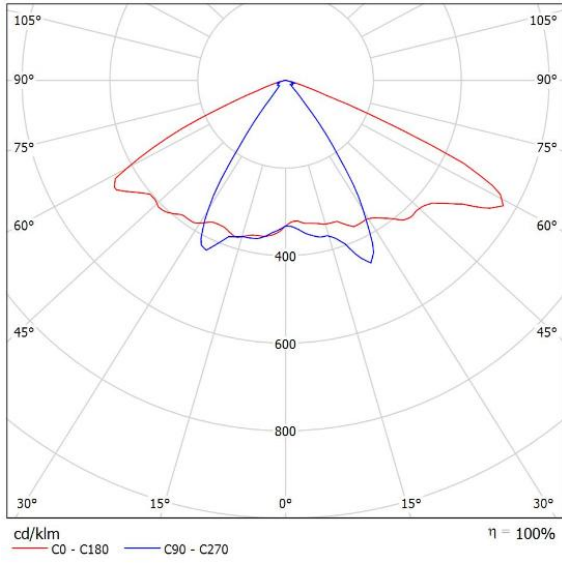
Chipsets	CREE XP-L	
Power Consumption	192 W	
Beam Angle	20° / 38° / 60° / 90° / 130° / 120° x 50° / 135° x 50°	
True White	CRI 65	26000 lm
Natural White	CRI 75	23800 lm
Warm White	CRI 80	21500 lm

Chipsets	LUXEON Tx	
Power Consumption	192 W	
Beam Angle	20° / 25° / 38° / 60° / 90° / 130° / 135° / 135° x 50° / 120° x 60°	
True White	CRI 70	23200 lm
Natural White	CRI 70	20400 lm
Warm White	CRI 80	16800 lm

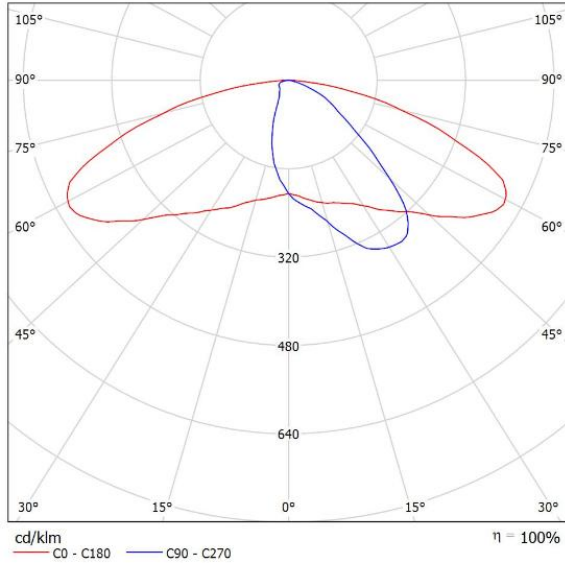
※All Chipset Luminous Flux Data are indicated in max values.

Polar Diagram

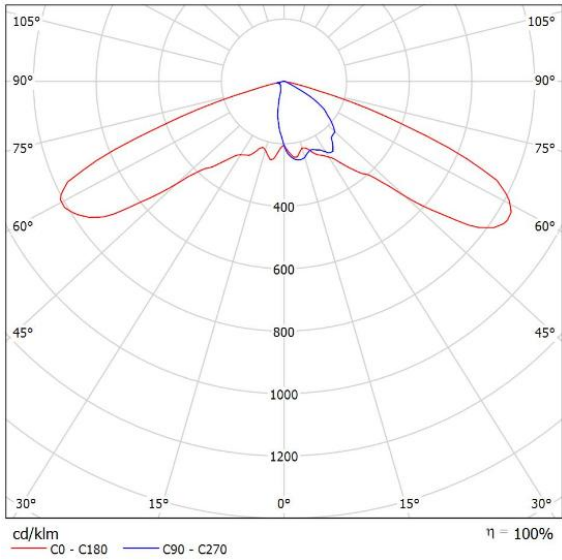
120x50°(Type I)



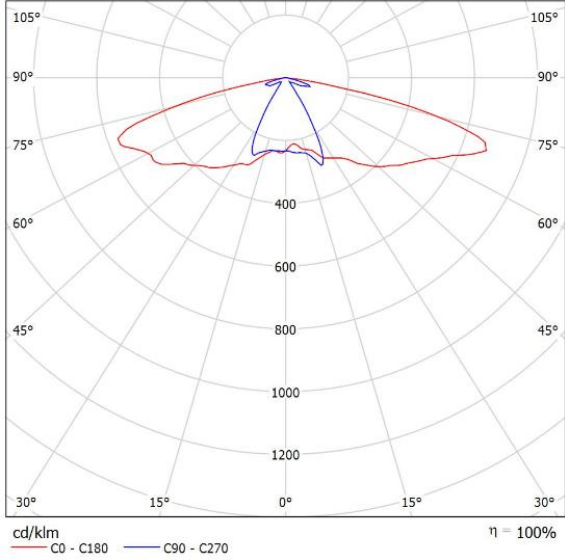
120x60°(Type II)



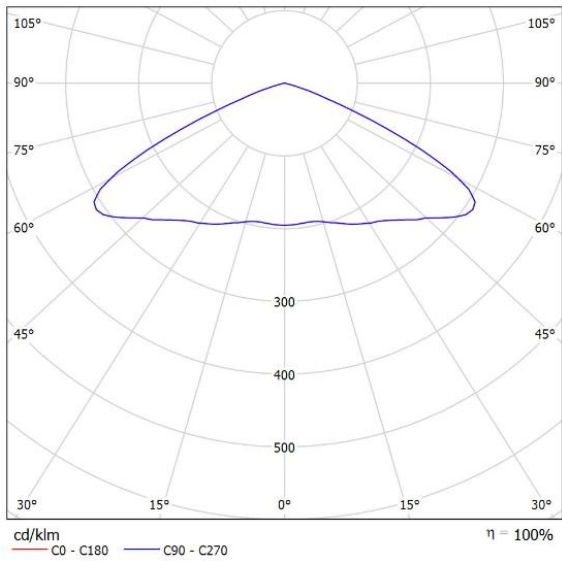
120x60°(Type III)



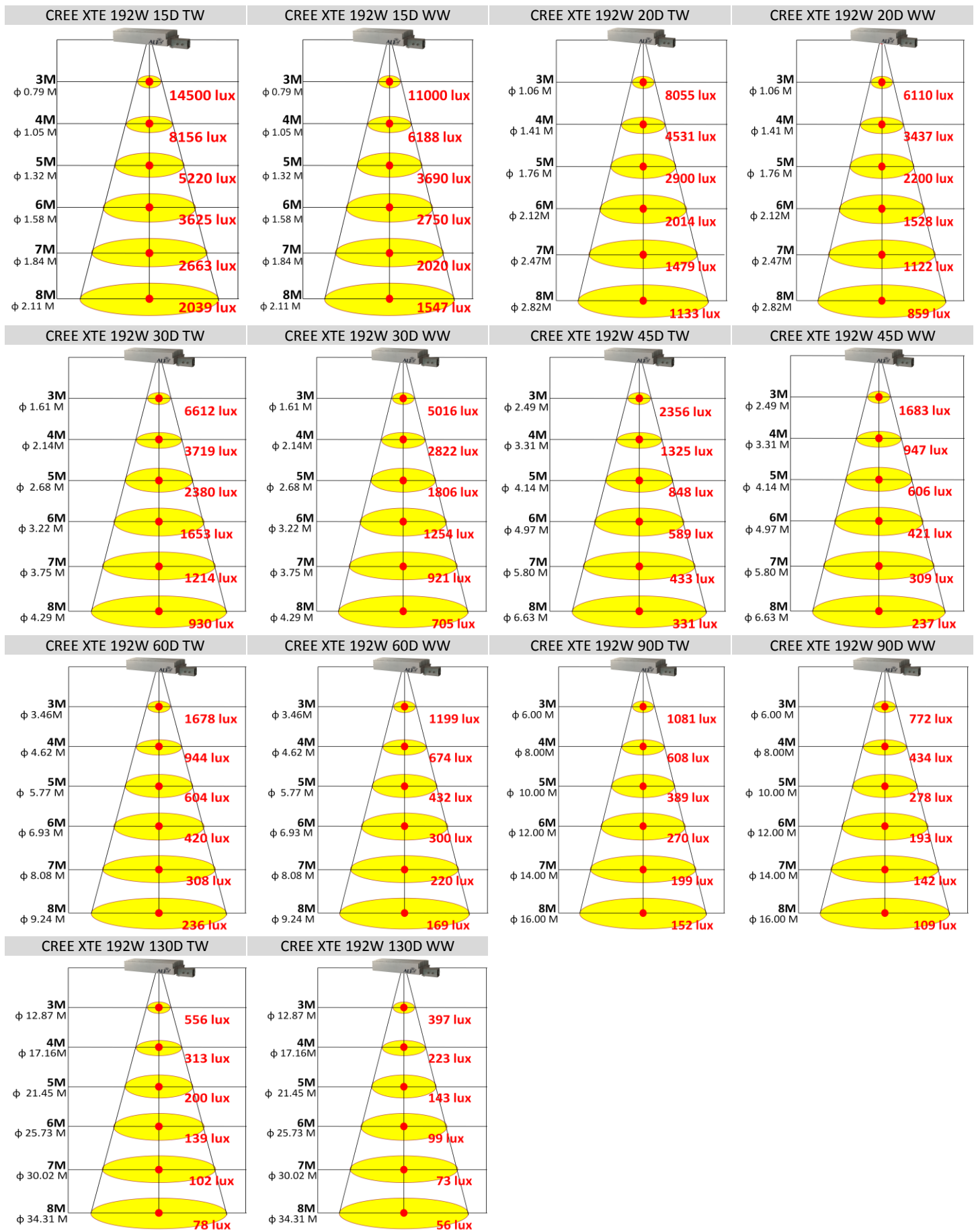
135x50°(Type I)



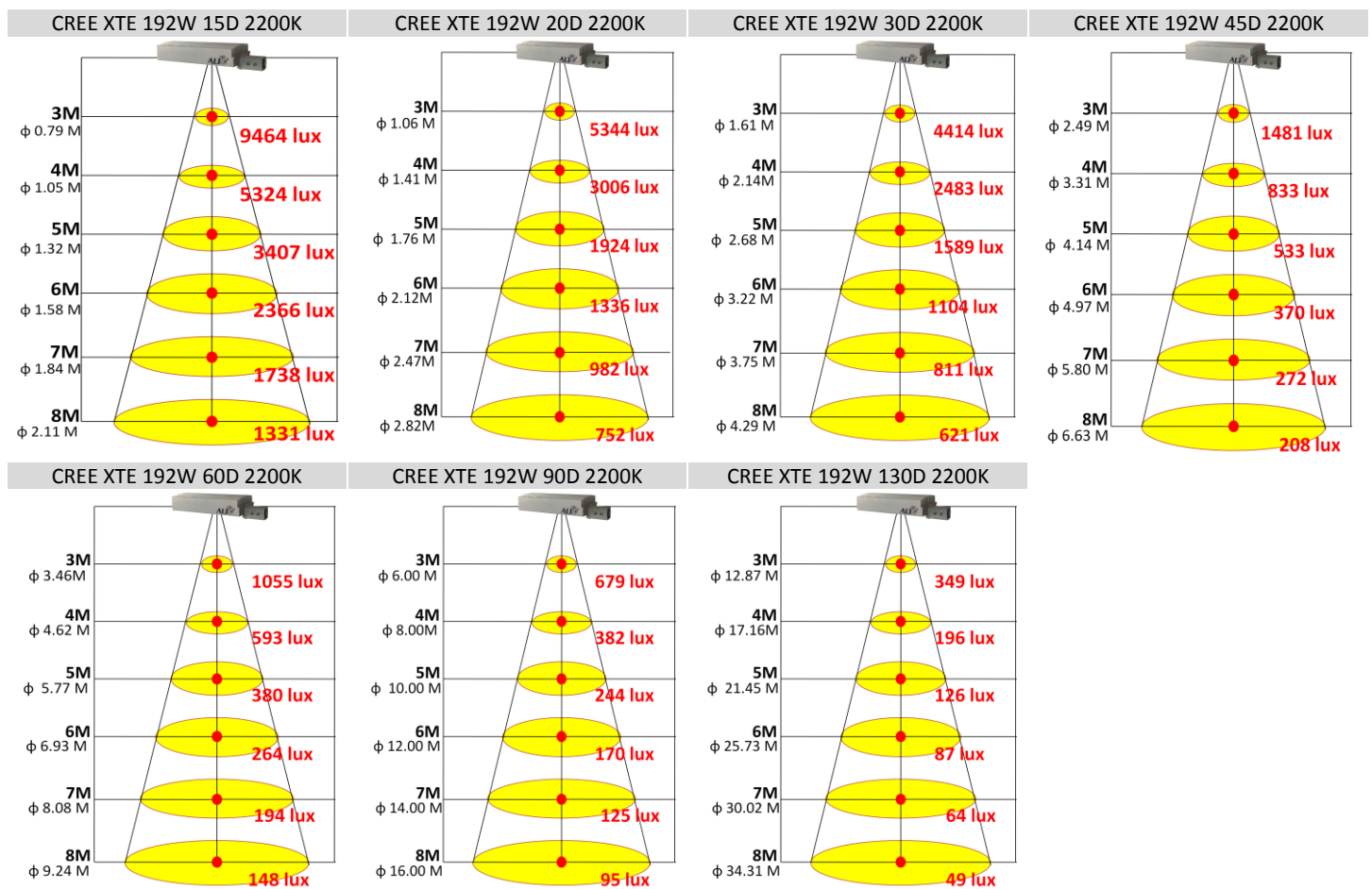
135°(Type V)



Illuminance at Distance



Illuminance at Distance



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

