

## Floodlight



ALTLED®

# Lodestar Series

## Specification Sheet

### Product Introduction

Used in the past as a guide to navigators, LODESTAR is a bright, easily found star. As outdoor lighting series have to be, ALT's LODESTAR street light and flood light are beautiful, cost-saving, and with an incredible long life-span. ALT's Lodestar floodlight series is in fact one of the brightest LED in the world, going up to an astonishing lumens of 18400. Integrated with a patented aerospace structural design, and providing consistent light intensity and high performance even in extreme climates, ALT's Lodestar floodlight is ideal for large outdoor areas including external wall, gardens, harbours and sport fields. Furthermore, ALT is proud to announce that it has launched a revolutionary product called LED Grow Light. Also under the Lodestar floodlight series, our Grow Light changes the way we grow plants indoor. By providing much less heat, Lodestar Grow Light consumes less power by delivering the perfect effects that included Red, Green and Blue. This will consequently provide a much more efficient and fast growing.

### Certificates



### Features

- ✓ IP68 waterproof standard.
- ✓ Integration of a patented aerospace structural design ensures optimal cooling.
- ✓ Original high-power LED chips.
- ✓ CRI 80 high-brightness.
- ✓ PFC values up to 0.99 offering a stable voltage output.

### Application

- ✓ Tunnel Lighting.
- ✓ Parking Applications.
- ✓ Canopy Lighting
- ✓ Wash Lighting.



## Specifications

Item	Specification	Details
Output	Beam Angle	15°, 20°, 25°,30°, 38°, 45°, 50°, 60°, 80°, 90°, 130°,135°, 120°x50°, 135°x50°, 120°x60°
	Colour Range	TW / NW / WW
	Lumen Maintenance	50,000 hours ( L70 / B50 )
Electrical	Input Voltage	24V DC ( For Solar Power System ) 100 ~ 240V AC
	Power Consumption	192 Watts
	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
Certification and Safety	Certifications	CE, RoHs, Laser, ETL
	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	2600K	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

## Lamp 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°x50° / 135°x50°	
True White	CRI 70	14500 lm
Natural White	CRI 80	13200 lm
Warm White	CRI 80	11000 lm
	CRI 90	10200 lm (2200K)
		8800 lm

Chipsets	OSRAM Square	
Power Consumption	192 W	
Beam Angle	25° / 38° / 45° / 50° / 60° / 80° / 90° / 130° / 135° / 120° x 50° / 135°x50° / 120° x 60°	
True White	CRI 70	18000 lm
Natural White	CRI 70	16500 lm
Warm White	CRI 80	14500 lm
	CRI 92	11500 lm

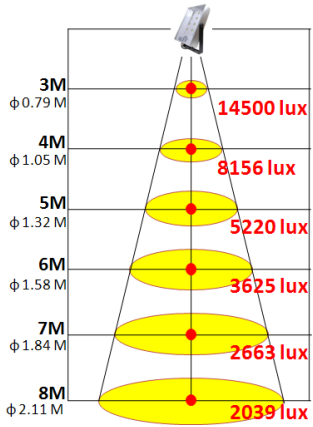
Chipsets	LUXEON Tx	
Power Consumption	192 W	
Beam Angle	20° / 25° / 38° / 60° / 90° / 130° / 135° / 135°x50°/ 120° x 60°	
True White	CRI 70	17600 lm
Natural White	CRI 70	16000 lm
Warm White	CRI 80	14000 lm

Chipsets	CREE XP-L	
Power Consumption	192 W	
Beam Angle	20° / 38° / 60° / 90° / 130° / 120° x 50° / 135°x50° / 120° x 60°	
True White	CRI 65	18400 lm
Natural White	CRI 75	16800 lm
Warm White	CRI 80	15200 lm

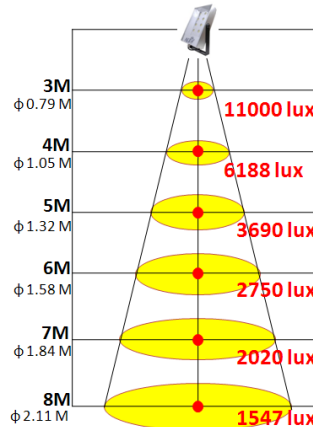
※All Lamp Luminous Flux Data are indicated in max values.

# Illuminance at Distance

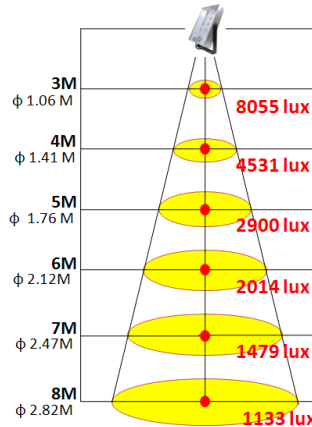
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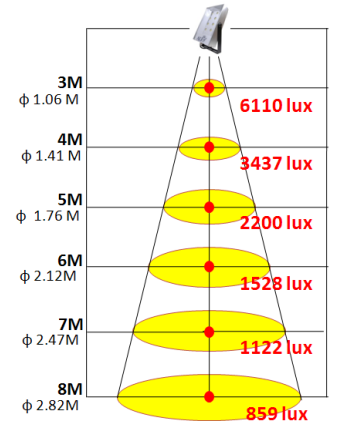
CREE XTE 192W 15D WW



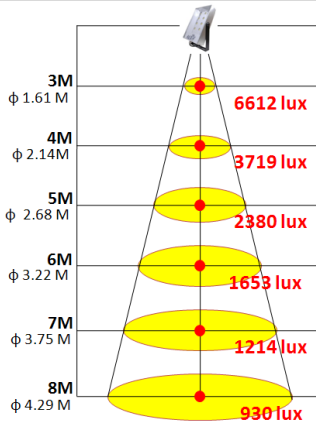
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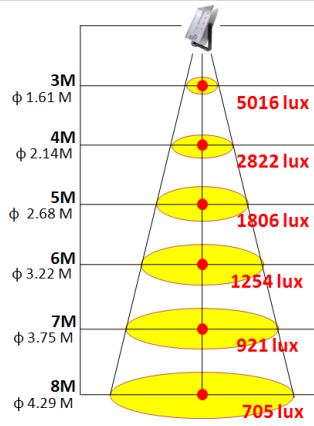
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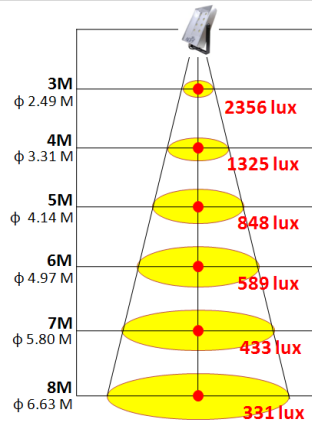
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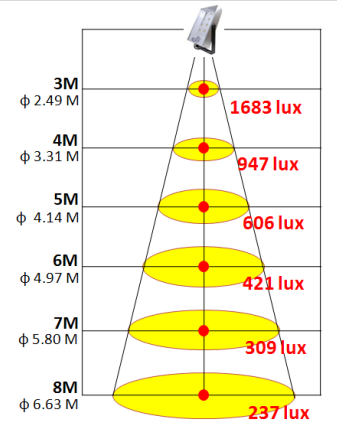
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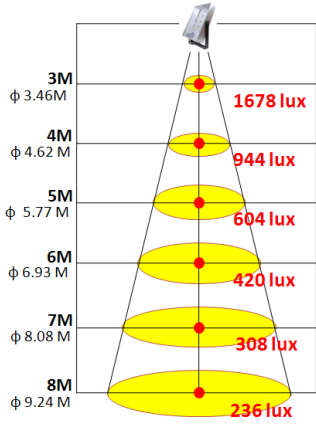
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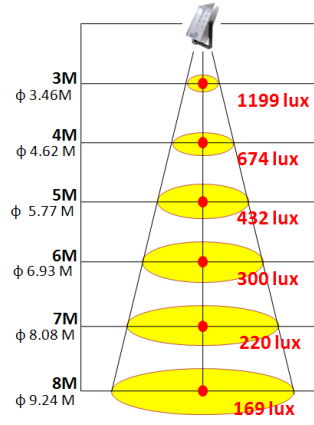
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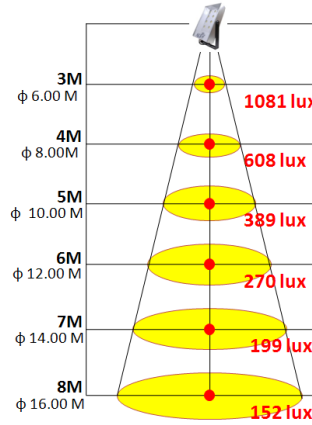
CREE XTE 192W 60D TW



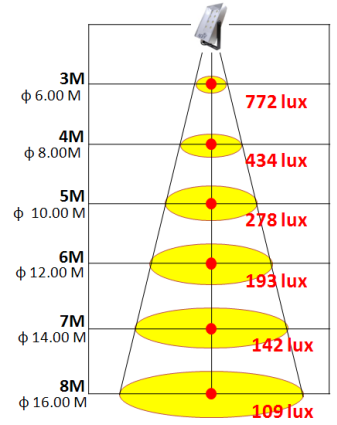
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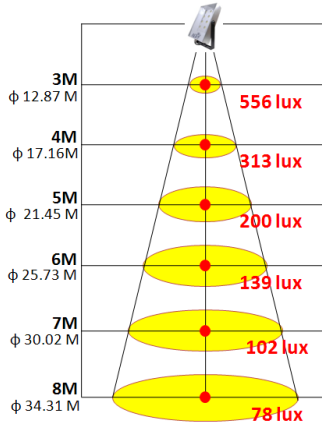
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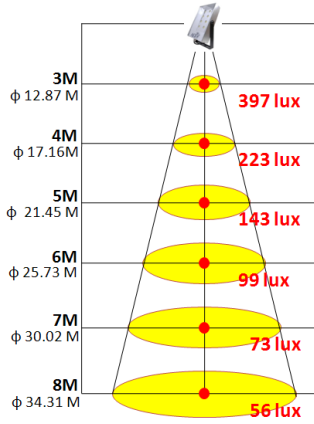
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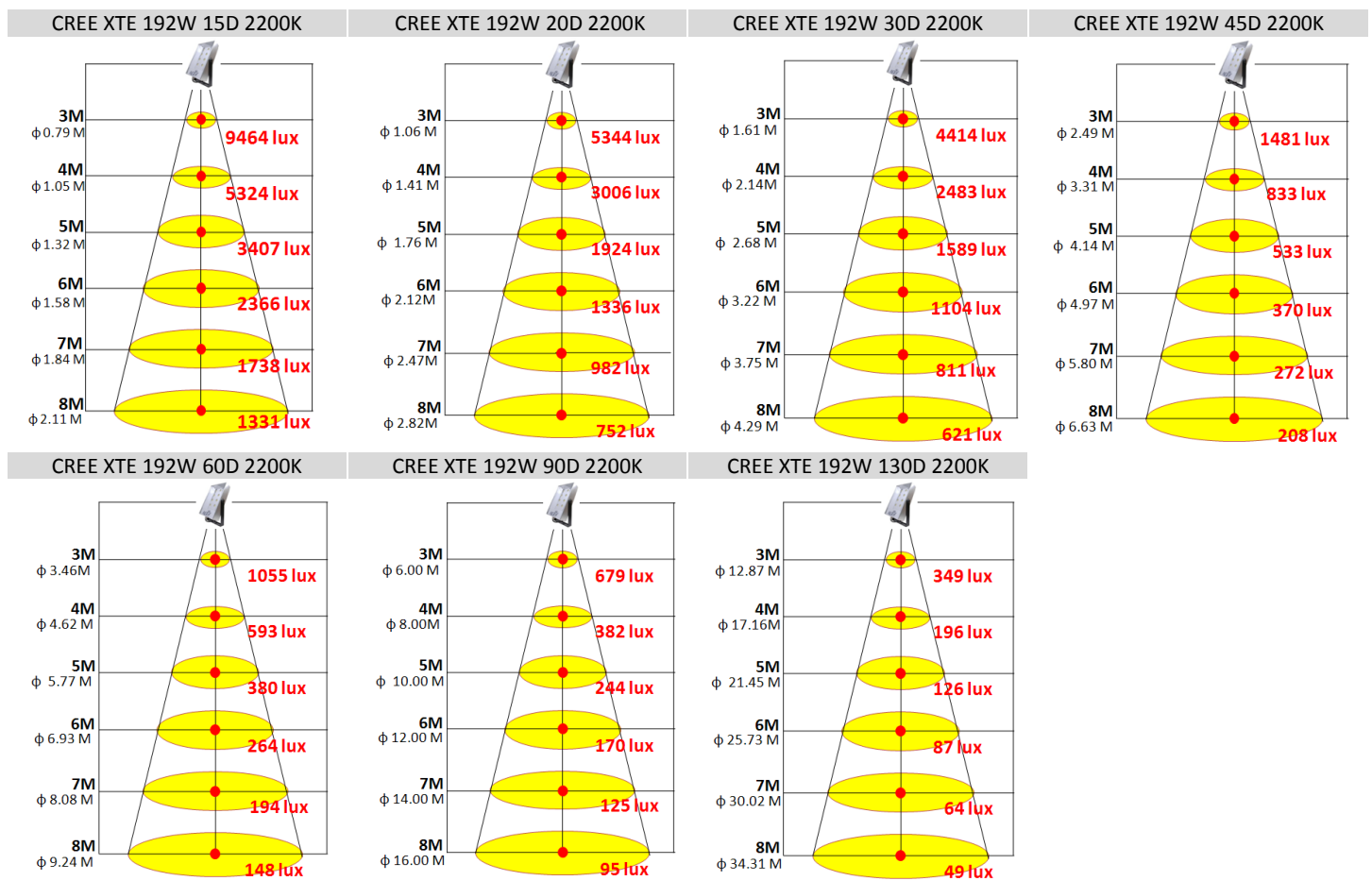
CREE XTE 192W 130D TW



CREE XTE 192W 130D WW



## Illuminance at Distance



## Accessories

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

# Mechanical Dimensions

## F04t200

