

## Floodlight



ALTLED®

# Lodestar Series

## Specification Sheet

### Product Introduction

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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 50000. 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

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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.
- ✓ PFC values up to 0.99 offering a stable voltage output.

### Application

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



## Specifications

Item	Specification	Details
Output	Beam Angle	15° / 20° / 25° / 30° / 45° / 60° / 90° / 130° / 135° / 120°x 50° / 135°x 50°
	Colour Range	TW / NW / WW
	Lumen Maintenance	50,000 hours ( L70 / B50 )
Electrical	Input Voltage (Lamp)	60V DC
	Power Consumption	485 Watts (External driver)
	Input Voltage (Power supply)	100-277V AC
Physical	Weight	11.3kg ( Lamp ) 6.7kg ( Power )
	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
	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

## Lamp Luminous Flux

### 100 ~ 277V AC

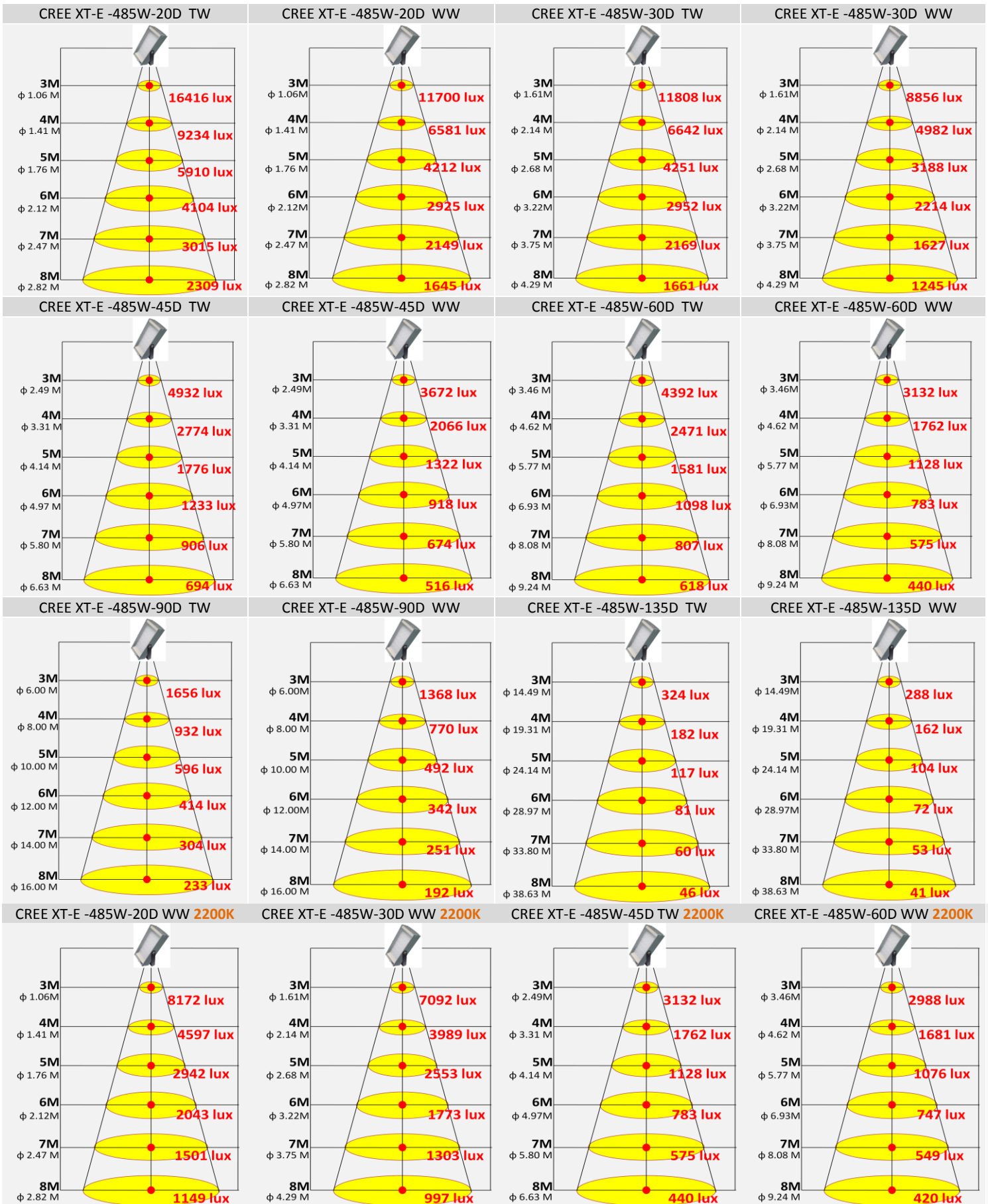
Chipsets	CREE XT-E
Power Consumption	485 W
Beam Angle	20° / 25° / 30° / 45° / 60° / 90° / 130° / 120°x50° / 135°x50°
True White	CRI 70 39500 lm
Natural White	CRI 80 36000 lm
Warm White	CRI 80 30000 lm CRI 90 24000 lm

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 49000 lm
Natural White	CRI 70 45000 lm
Warm White	CRI 80 40000 lm CRI 92 32000 lm

Chipsets	CREE XP-L
Power Consumption	485 W
Beam Angle	30° / 130° / 120° x 50° / 135°x50°
True White	CRI 65 50000 lm
Natural White	CRI 75 45500 lm
Warm White	CRI 80 41200 lm

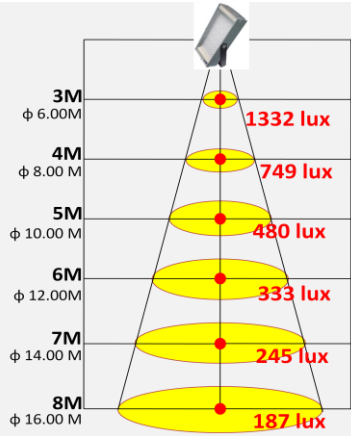
※All Lamp Luminous Flux Data are indicated in max values.

# Illuminance at Distance

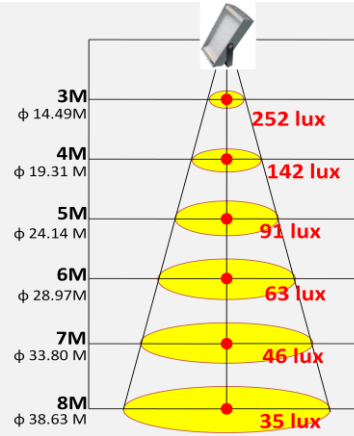


# Illuminance at Distance

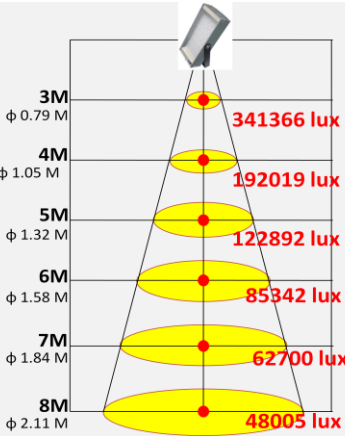
CREE XT-E -485W-90D WW 2200K



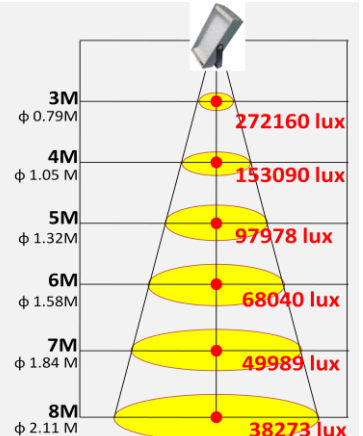
CREE XT-E -485W-135D WW 2200K



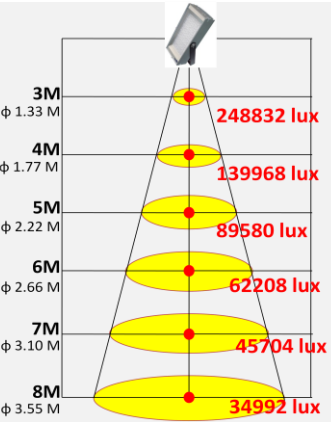
OSRAM Square -285W-15D TW



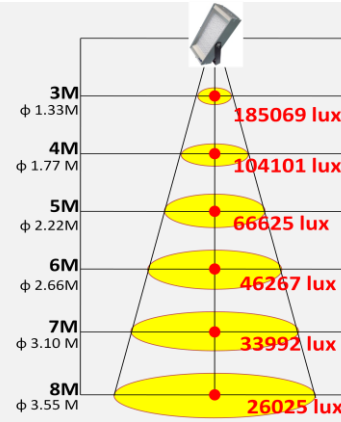
OSRAM Square -285W-15D WW



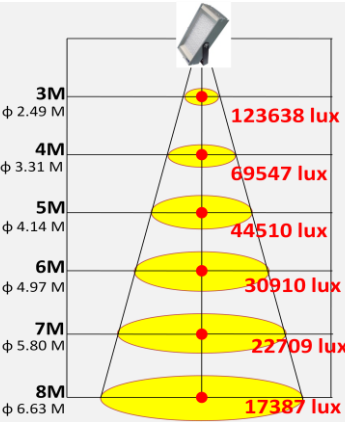
OSRAM Square -485W-25D TW



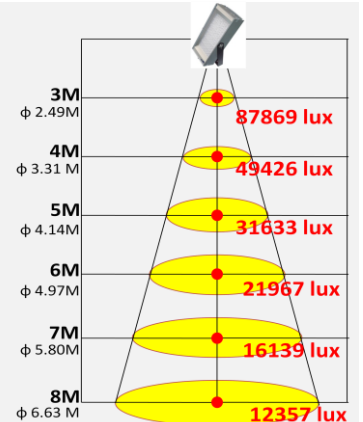
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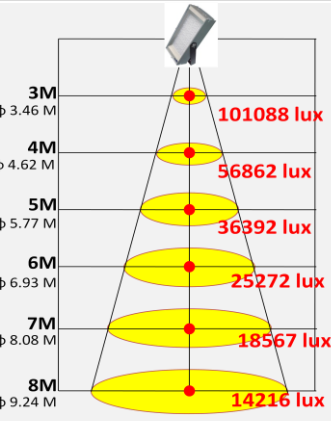
OSRAM Square -485W-45D TW



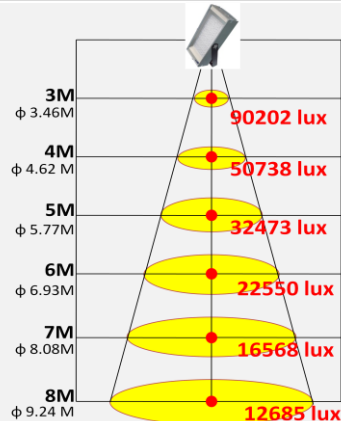
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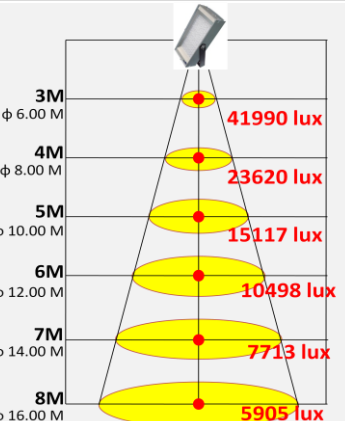
OSRAM Square -485W-60D TW



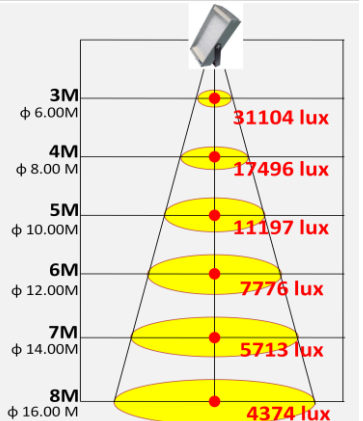
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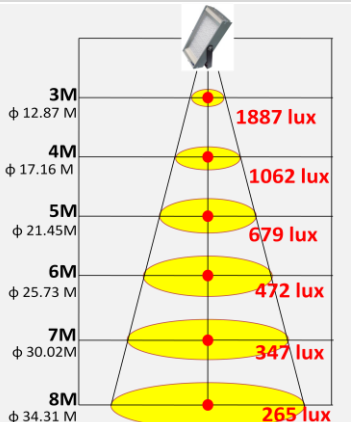
OSRAM Square -485W-90D TW



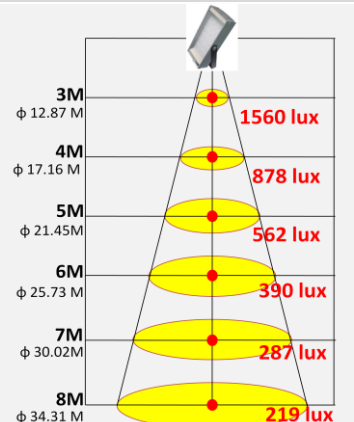
OSRAM Square -485W-90D WW



CREE XPL -485W-130D TW



CREE XPL -485W-130D WW

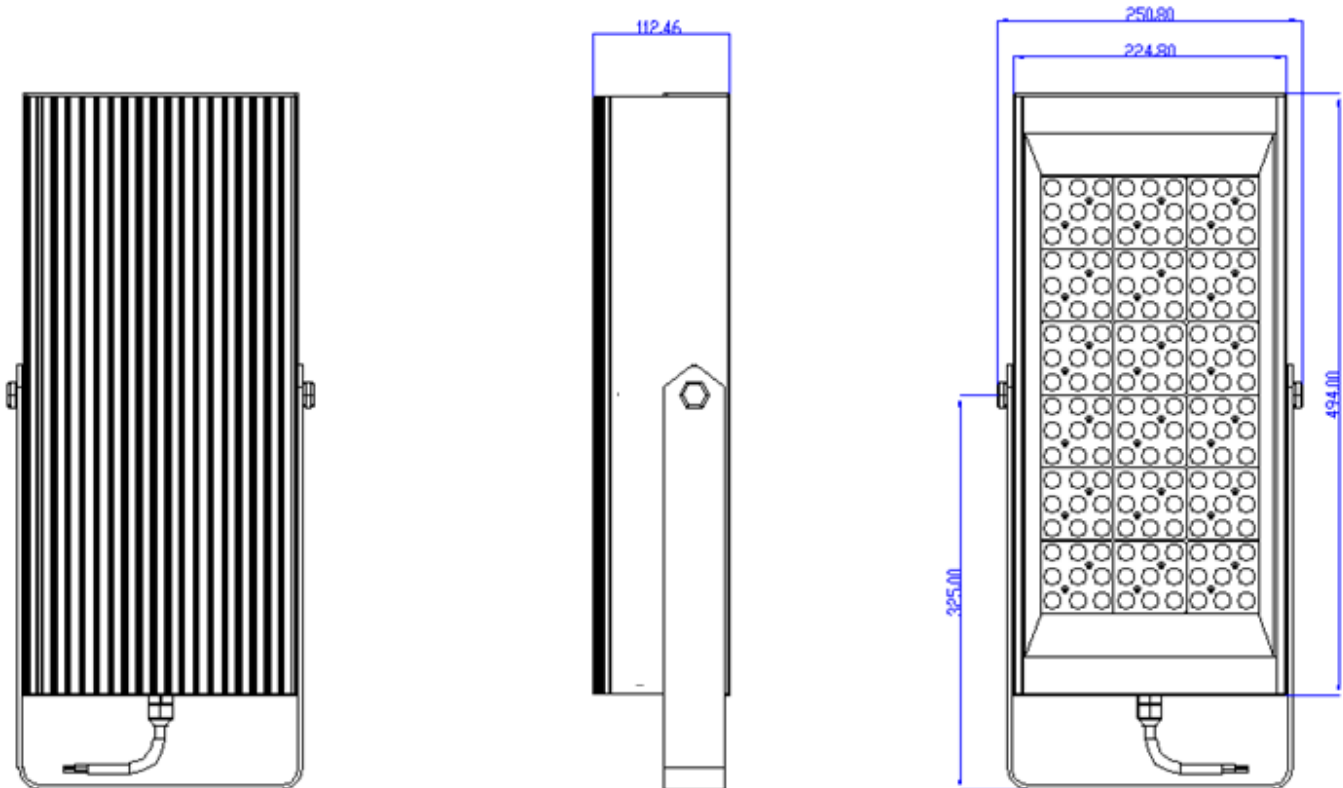


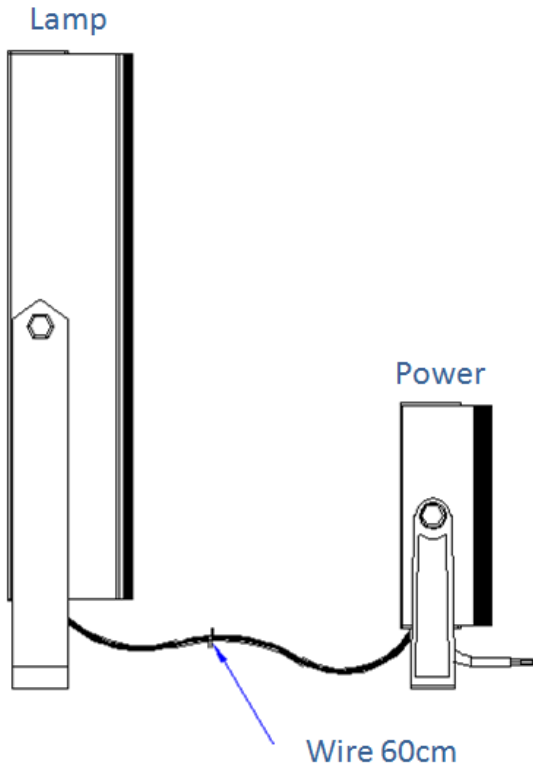
## Accessories

Category	Model Name	Photo
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

F04t500 (Unit : mm)





F04 T500 Power(Unit : mm)

