



Joytech Products Co., Ltd.

High Temperature Resistant Floodlight



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, LODESTAR street light and flood light are beautiful, cost-saving, and with an incredible long life-span. Lodestar floodlight series is in fact one of the brightest LED in the world, going up to an astonishing lumens of 2400. Integrated with a patented aerospace structural design, and providing consistent light intensity and high performance even in extreme climates, Lodestar floodlight is ideal

for large outdoor areas including external wall, gardens, harbours and sport fields. Moreover, LODESTAR Floodlight series launches a special version – High Temperature Resistant Floodlight, which can well perform in high-heat environment, such as engine rooms, steel mills, paper mills, and chemical plants. With patented dissipation technology, High Temperature Resistant Floodlight appears much longer lived than traditional lamps and LED lamps from competitors.

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

- ✓ Engine Room.
- ✓ Steel Mill.
- ✓ Paper Mill.
- ✓ Chemical Plants.

Specifications

Item	Specification	Details
Output	Beam Angle	10°, 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	15,000 hours
Electrical	Input Voltage	100 ~ 240V AC
	Power Consumption	25, 42 Watts
Physical	Weight	3.5 kg (25 Watts) 5 kg (42 Watts)
	Lens	Optics PMMA
	Operating Temperature	-4° F to 194° F (-20°C to 90°C)
	Humidity	0 – 95%, non-condensing
Certification and Safety	Certifications	CE, FCC, RoHS, Laser Testing, IP68
	Environment	Suitable for damp location
	Warranty	1 year
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	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

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)	-

Lamp Luminous Flux

100 ~ 240V AC

Chipsets	CREE XB-D	
Power Consumption	25 W	42 W
Beam Angle	10° / 20° / 30° / 45° / 60° / 90° / 130° / 135° / 120°x50° / 135°x50° / 120° x 60°	
True White	CRI 70	1650 lm / 3000 lm
Natural White	CRI 80	1500 lm / 2700 lm
Warm White	CRI 80	1250 lm / 2300 lm

Chipsets	CREE XT-E	
Power Consumption	25 W	42 W
Beam Angle	15° / 20° / 30° / 45° / 50° / 60° / 80° / 90° / 130° / 120° x 60° / 120°x50° / 135°x50°	
True White	CRI 70	1900 lm / 3500 lm
Natural White	CRI 80	1750 lm / 3200 lm
Warm White	CRI 80	1450 lm / 2700 lm
		2200 K
		1350 lm / 2500 lm
	CRI 90	1160 lm / 2100 lm

Chipsets	OSRAM Square	
Power Consumption	25 W	42 W
Beam Angle	15° / 25° / 38° / 45° / 50° / 60° / 80° / 90° / 130° / 135° / 120° x 50° / 135°x50° / 120°x60°	
True White	CRI 70	2400 lm / 4800 lm
Natural White	CRI 70	2200 lm / 4400 lm
Warm White	CRI 80	1950 lm / 3900 lm
	CRI 92	1600 lm / 3200 lm

Chipsets	CREE XP-L	
Power Consumption	25 W	42 W
Beam Angle	20° / 25° / 38° / 60° / 90° / 130° / 135° / 135°x50° / 120°x60°	
True White	CRI 65	2400 lm / 4400 lm
Natural White	CRI 75	2150 lm / 3900 lm
Warm White	CRI 80	1950 lm / 3600 lm

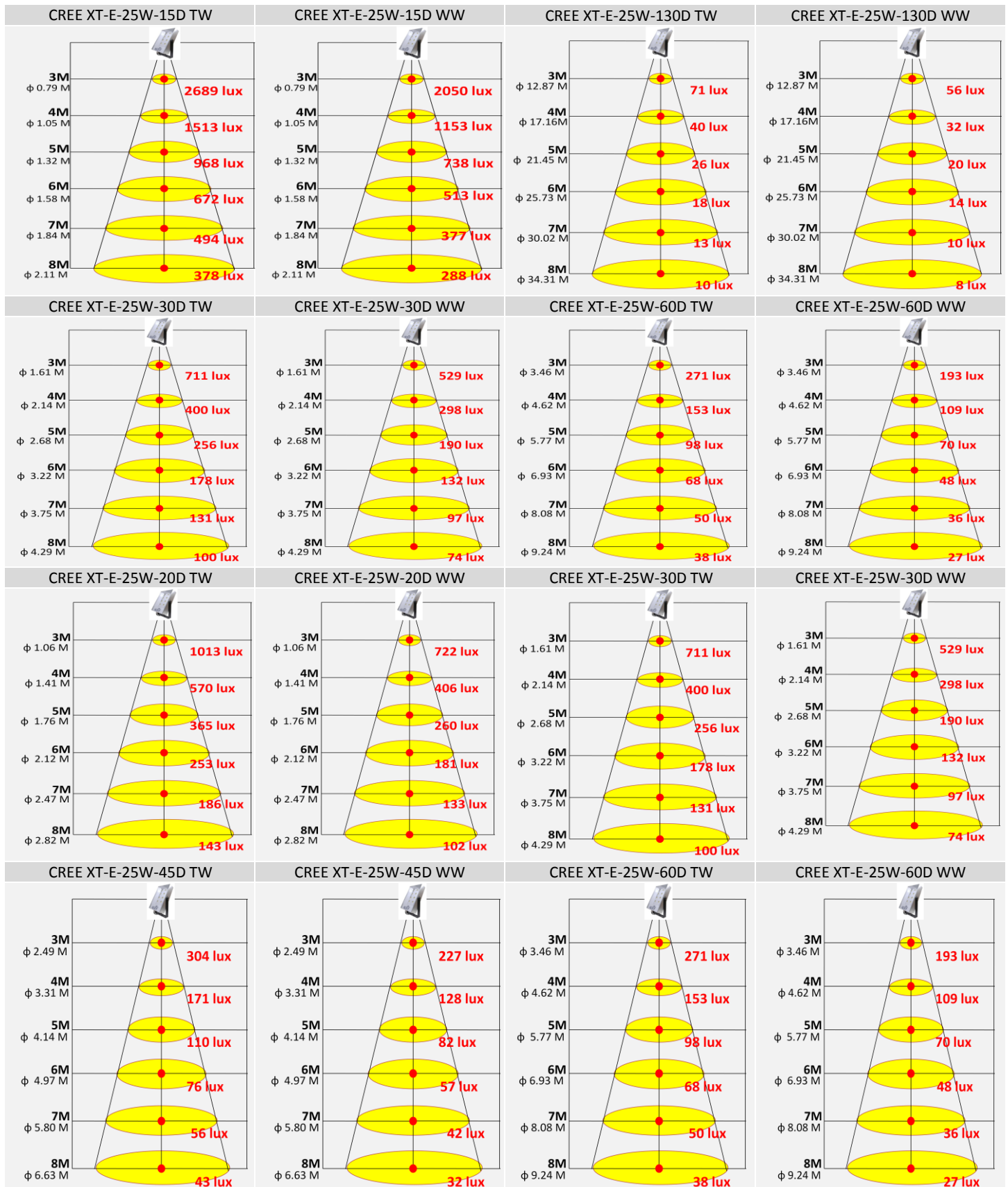
※All Lamp Luminous Flux Data are indicated in max values.

Adapter

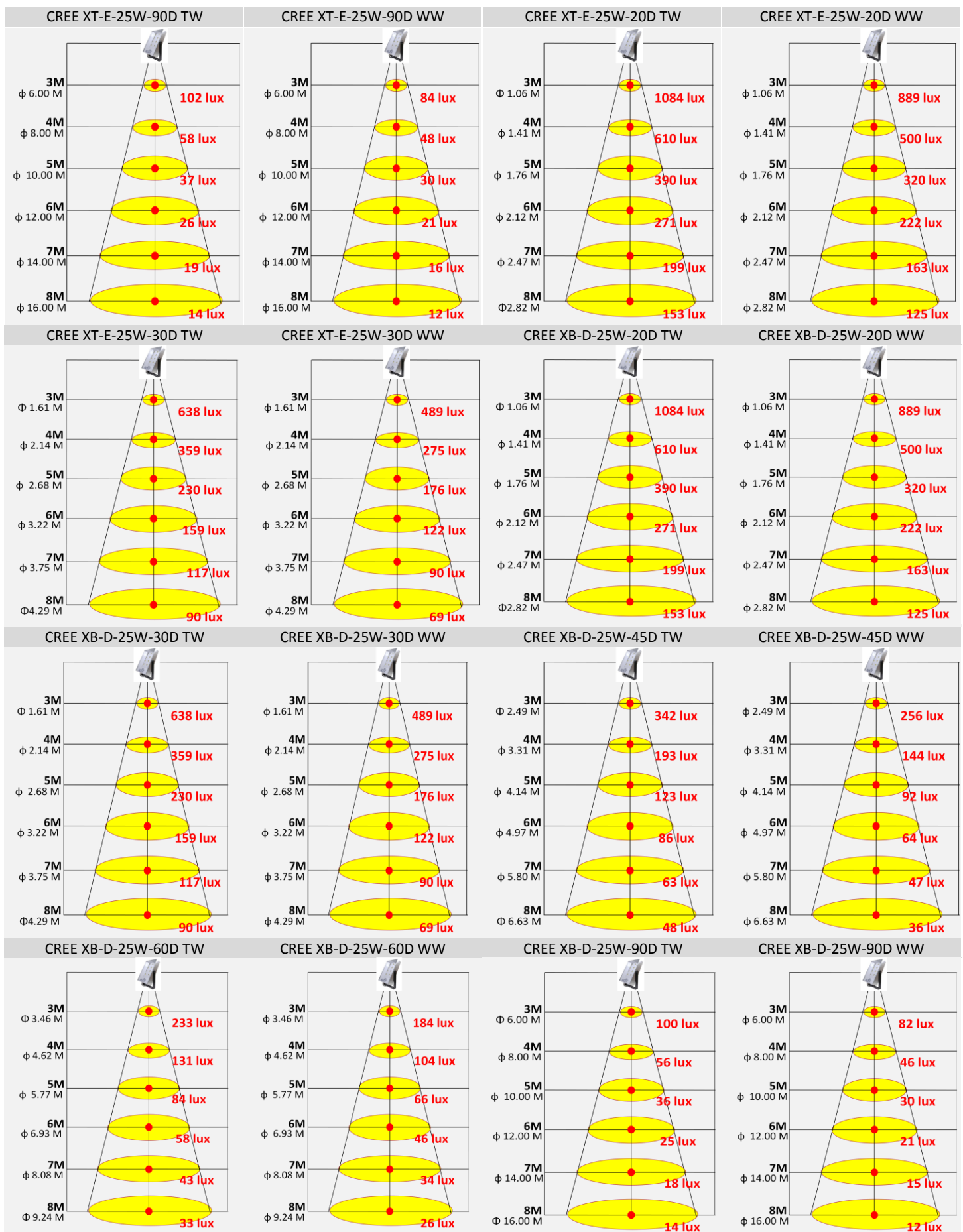
Waterproof Cable Adapter



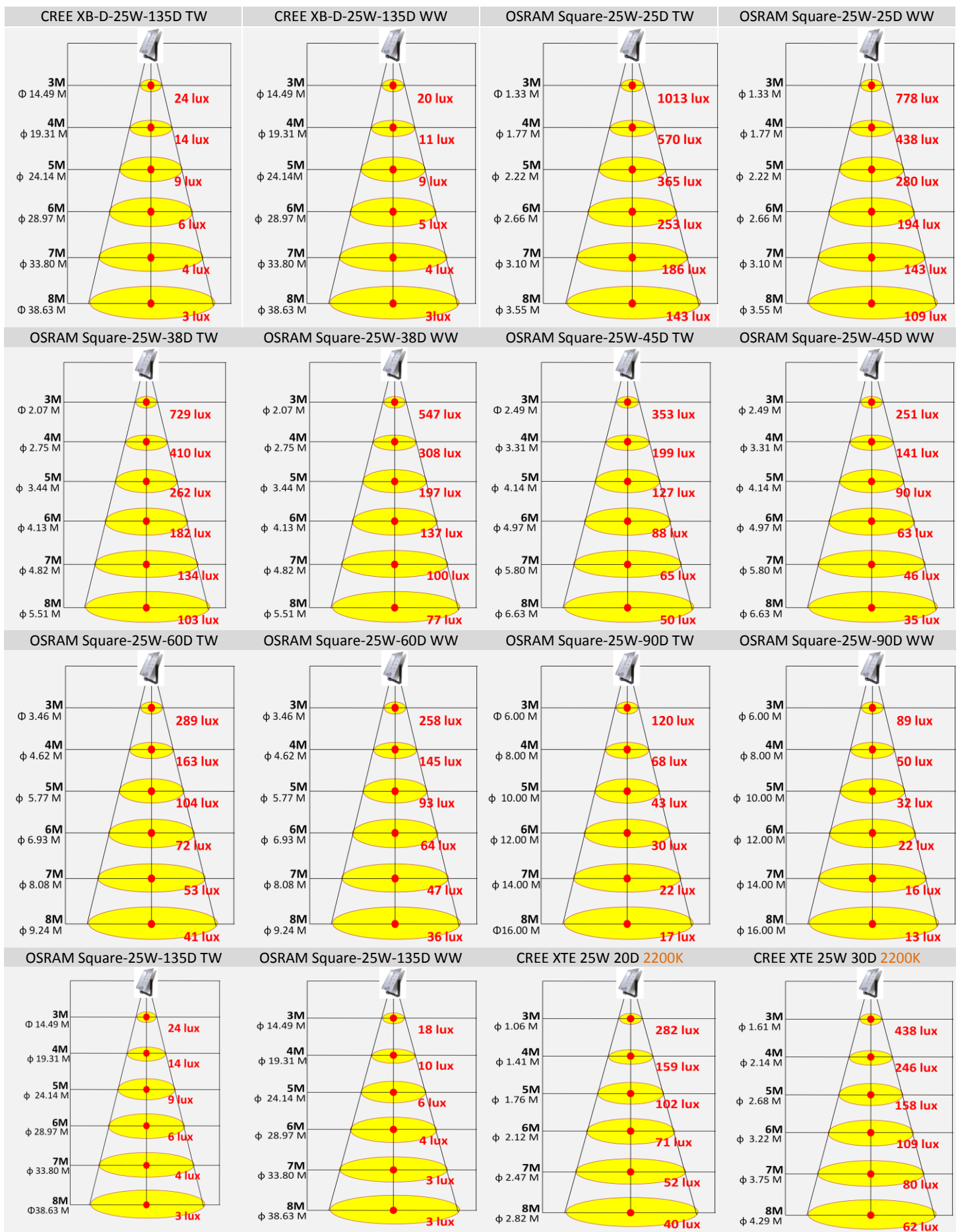
Illuminance at Distance



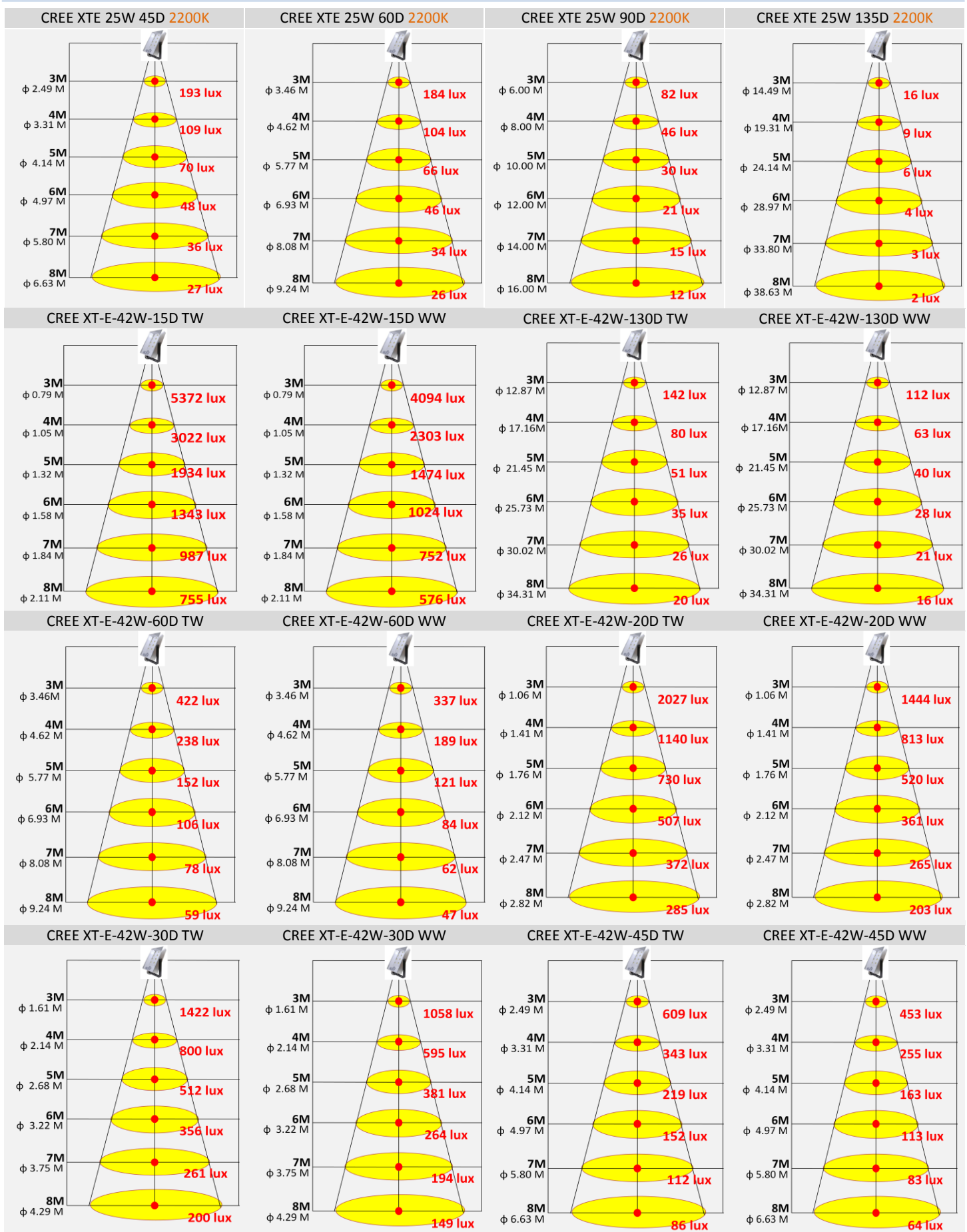
Illuminance at Distance



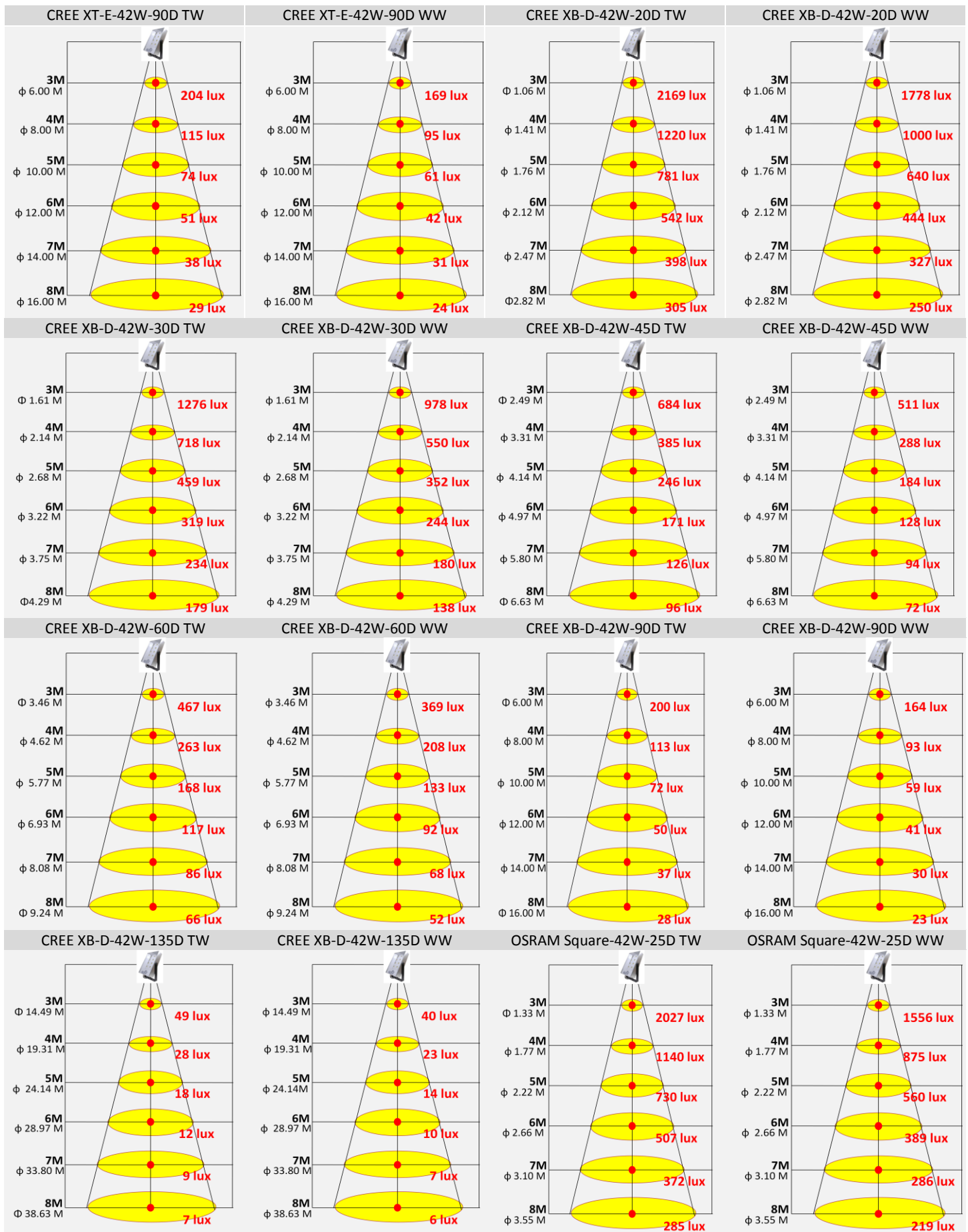
Illuminance at Distance



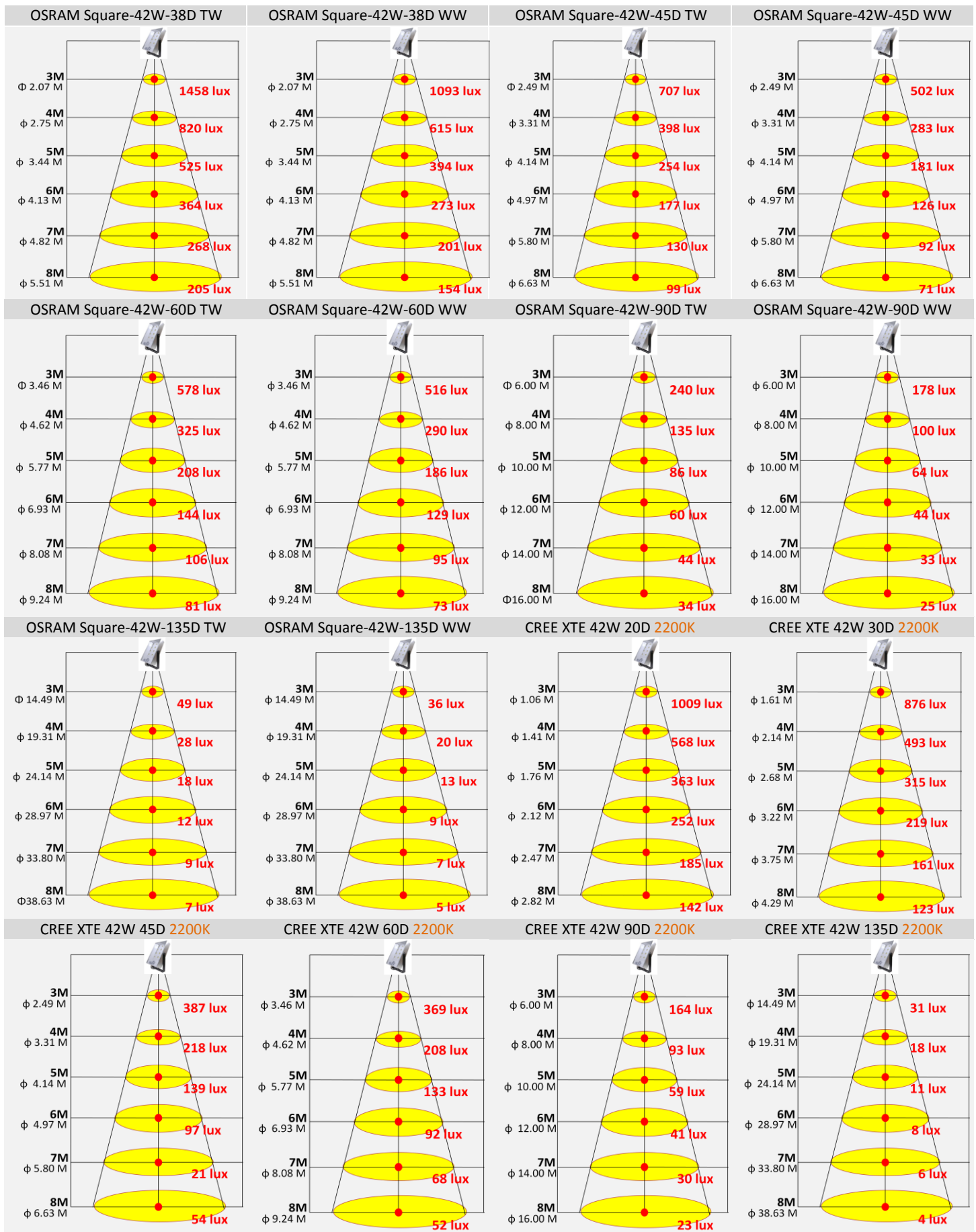
Illuminance at Distance



Illuminance at Distance

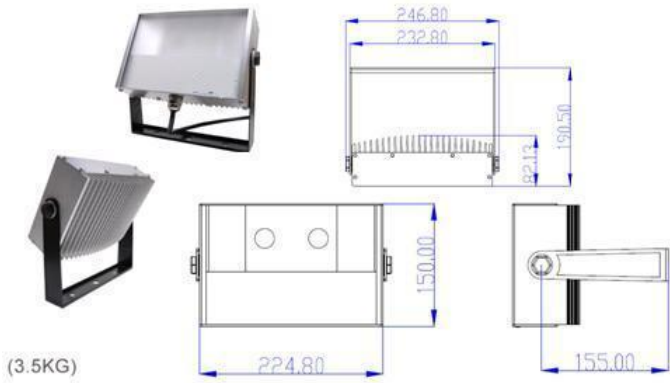


Illuminance at Distance

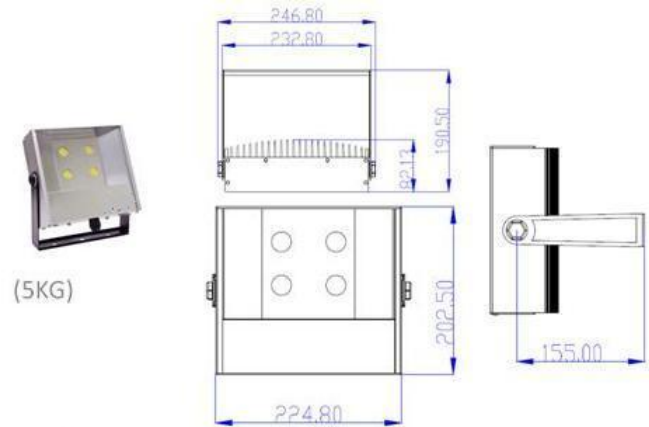


Mechanical Dimensions

F02t25



F02t42



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