

# LED Light Tech™

## LED Flood Light

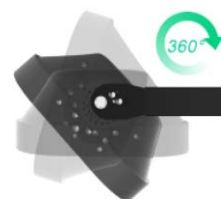
Using only the highest quality components, the LED flood light is designed for industrial applications where reliability and performance is critical and maintenance is costly. Every component of the LED flood light has been carefully engineered to provide the most reliable performance and bring across many benefits of utilizing solid state lighting technology in industrial applications.

### SPECIFICATIONS:

- LED Chip Brand CREE XT-E
- LED Chip Type 1~5W Single Chip
- LED Chip Quantity 48 pcs
- Color Temperature 4500~5500K(2500~5500K Optional)
- Fixture Efficiency  $\geq 90\%$
- Light Efficiency(IES) 94 lm/W
- Luminous Flux(IES) 9,644 lm
- CRI  $\geq 70$
- Beam Angle 85/135 DEG (45 DEG Optional)
- Input Voltage AC 100~277 VAC/480VAC
- Power Frequency 47~63Hz
- Total Power Consumption 100W $\pm$ 5W
- LED Power Consumption 94W $\pm$ 5W
- Power Efficiency  $\geq 93\%$
- Power Factor  $\geq 0.95$
- HID Replacement 250W
- Lumen Maintenance L70>150,000 hours
- Fixture Material Aluminum Alloy
- IP Rating IP65
- Working Temp. -30~+55°C



50W LED Light Engine



360 Degree Rotation



Hinged Housing Design

### FEATURES & BENEFITS

- Flexible, modular design
- Multiple choice of optical lenses
- Advanced, vortex air flow thermal management
- Easy, low cost maintenance and repair



50W	100W	150W
150W	250W	400W

LED Light Engine	50W×1	50W×2	50W×3
Comparable To HID	150W	250W	400W
Input Voltage	AC 100~277V	AC 100~277V	AC 100~277V
Power Frequency	47~63Hz	47~63Hz	47~63Hz
Total Power Consumption	55W±5W	100W±5W	150W±5W
LED Power Consumption	52W±5W	94W±5W	141W±5W
LED Chip	Cree XT-E, 24pcs	Cree XT-E, 48pcs	Cree XT-E, 72pcs
Power Factor	≥0.95	≥0.95	≥0.95
Total Harmonic Distortion	≤15%	≤15%	≤15%
Luminaire Efficiency(IES)	91 lm/W	94 lm/W	96 lm/W
Luminous Flux(IES)	4,811 lm	9,644 lm	14,432 lm
CRI	≥70	≥70	≥70
Colour Temperature	4500~5500K (2500~5500K Optional)	4500~5500K (2500~5500K Optional)	4500~5500K (2500~5500K Optional)
Beam Angle	85/135°(30°,45° Optional)	85/135°(30°,45° Optional)	85/135°(30°,45° Optional)
IP Rating	IP65	IP65	IP65
Operating Temperature	-30 to 55°C(-22 to 131°F)	-30 to 55°C(-22 to 131°F)	-30 to 55°C(-22 to 131°F)
Humidity	15% to 90%RH	15% to 90%RH	15% to 90%RH
Lumen Maintenance	L70>150,000Hrs	L70>150,000Hrs	L70>150,000Hrs
Light Fixture Material	Aluminum Alloy	Aluminum Alloy	Aluminum Alloy
Dimensions(L×W×H)	200×200×175mm	400×400×180mm	400×400×180mm



**Illumination-85/135 Degree Beaming Angle**

Height	Rectangular Light Spot	LUX
3m	5×14m	93LUX
4m	7×19m	61LUX
5m	9×24m	42LUX
6m	11×29m	30LUX
7m	13×34m	23LUX

**Illumination-85/135 Degree Beaming Angle**





Height	Rectangular Light Spot	LUX
5m	9×24m	82LUX
6m	11×29m	60LUX
7m	13×34m	45LUX
8m	15×39m	35LUX
9m	16×43m	28LUX

**Illumination-85/135 Degree Beaming Angle**

Height	Rectangular Light Spot	LUX
6m	11×29m	88LUX
7m	13×34m	65LUX
8m	15×39m	50LUX
9m	16×43m	40LUX
10m	18×48m	32LUX



<b>200W</b>	<b>300W</b>	<b>450W</b>
<b>750W</b>	<b>1000W</b>	<b>1500W</b>

LED Light Engine	50W×4	50W×6	50W×9
Comparable To HID	750W	1000W	1500W
Input Voltage	AC 100~277V	AC 100~277V	AC 100~277V
Power Frequency	47~63Hz	47~63Hz	47~63Hz
Total Power Consumption	200W±5W	300W±5W	450W±5W
LED Power Consumption	188W±5W	283W±5W	424W±5W
LED Chip	Cree XT-E, 96pcs	Cree XT-E, 144pcs	Cree XT-E, 216pcs
Power Factor	≥0.95	≥0.95	≥0.95
Total Harmonic Distortion	≤15%	≤15%	≤15%
Luminaire Efficiency(IES)	95 lm/W	95 lm/W	94 lm/W
Luminous Flux(IES)	19,243 lm	28,864 lm	43,296 lm
CRI	≥70	≥70	≥70
Colour Temperature	4500~5500K (2500~5500K Optional)	4500~5500K (2500~5500K Optional)	4500~5500K (2500~5500K Optional)
Beam Angle	85/135°(30°,45° Optional)	45°(30°,120°,85/135° Optional)	45°(30°,120°,85/135° Optional)
IP Rating	IP65	IP65	IP65
Operating Temperature	-30 to 55°C(-22 to 131°F)	-30 to 55°C(-22 to 131°F)	-30 to 55°C(-22 to 131°F)
Humidity	15% to 90%RH	15% to 90%RH	15% to 90%RH
Lumen Maintenance	L70>150,000Hrs	L70>150,000Hrs	L70>150,000Hrs
Light Fixture Material	Aluminum Alloy	Aluminum Alloy	Aluminum Alloy
Dimensions(L×W×H)	400×400×180mm	560×375×180mm	560×560×180mm
	<b>Illumination-85/135 Degree Beaming Angle</b>		
	Height	Rectangular Light Spot	LUX
	7m	13×34m	84LUX
	8m	15×39m	65LUX
	9m	16×43m	52LUX
	10m	18×48m	42LUX
	<b>Illumination-45 Degree Beaming Angle</b>		
	Height	Beam Diameter	LUX
	20m	φ17m	117LUX
	25m	φ21m	78LUX
	30m	φ25m	52LUX
	35m	φ29m	38LUX
	<b>Illumination-45 Degree Beaming Angle</b>		
	Height	Beam Diameter	LUX
	20m	φ17m	170LUX
	25m	φ21m	109LUX
	30m	φ25m	75LUX
	35m	φ29m	55LUX
	<b>Illumination-45 Degree Beaming Angle</b>		
	Height	Beam Diameter	LUX
	20m	φ17m	170LUX
	25m	φ21m	109LUX
	30m	φ25m	75LUX
	35m	φ29m	55LUX

## Economy

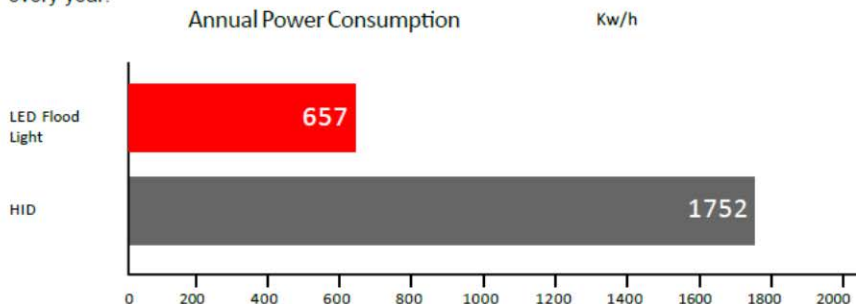
**The best choice in reducing the effects of surging power costs across over world**

Saves up to 73% of power compared to Traditional Metal Halide light.

Power Consumption	Luminous Flux	Suspension Height	Comparable Traditional Metal Halide Light	Energy Saving
50W	4,811 lm	3 to 7m	150W HID	67%
100W	9,644 lm	5 to 9m	250W HID	60%
150W	14,432 lm	6 to 10m	400W HID	63%
200W	19,243 lm	7 to 11m	750W HID	73%
300W	28,864 lm	20 to 40m	1000W HID	70%
450W	43,296 lm	20 to 40m	1500W HID	70%

## Efficiency

Annual power consumption calculation is based on 12 lighting hours per day, 365 days per year. As a direct replacement of 400W Traditional Metal Halide Light, a 150W Smart Flood Light saves 1095 Kw/h every year.



## Environment

### Carbon Emissions

Reduces carbon footprint by up to 73%, compared to Traditional Metal Halide light.

### Industry Applications

Good safe. No glass to shatter. Easily cleaned.

### Health & Safety

Instant on. No delayed start-up after power outage.  
Uniform light colour and intensity across the work space.  
No mercury or other hazardous components.  
Recyclable.



**PRODUCT ORDER CODE:**

Product Order Code Example: LLT-19-FL-100-1-1-X-1-3

\*If needed in 480VAC please add -480 to the end of the product code

LLT	19	FL						
			Wattage	CCT	Beam Angle	Dimmability	IP Rating	Mount
			50	1 = 2500-3500K	1 = 45	1 = Non Dimmable	1 = IP65	1 = Hanging Bracket
			100	2 = 3500-4500K	2 = 85/135	2 = Dimmable	2 = IP67	2 = Surface Mount
			150	3= 4500-5500K	3= 30			3 = Mounting Bracket with hanging ring
			200					4 = Slip Fitter Mounter
			300					
			450					