

Product # \_\_\_\_\_ Type \_\_\_\_\_ Date \_\_\_\_\_

Project Name \_\_\_\_\_

Project Location \_\_\_\_\_ Prepared By \_\_\_\_\_

# Smart™ Flood 450

## Smart™ Light Specifications

The 450 watt Smart™ Flood is designed to replace HID light sources of up to 1500 watts. This is accomplished with sealed high brightness light modules with precision control TIR type optics. Adjustable mounting yoke included standard. Three available mounting options.

### Construction

Housing is die-formed made from low-copper 5052 aluminum, heavy duty, structurally rigid and vibration resistant. Heatsink fins are 0.040" thick made from low copper aluminum 5052 alloy with maximum contact with the housing for maximum heat dissipating surface area for the efficient cooler operation.

### Optics/Lens

The 450 watt Smart™ Large contains 9 - 50 watt IP67 sealed light modules and are easily replaceable. Modules are available in 30 degree, 45 degree (standard) and 85x135 degree (optional) beam patterns.

### Electrical

High power Cree XT-E LED source, with performance of greater than 90 lumens per watt. Standard Color Temperature 5000K, CRI of 70 or greater. Other optional color temp and CRI available on request. LED Drivers: UL/CSA recognized component to meet UL8750 & EN61347 (USR/CNR - E328335). Suitable for input power at 100-277VAC, Minimum power factor >0.95 with an operating temperature range of -22-140 degrees F / 30-60 degrees C. Dimmable and motion sensor control compatible.

### Finish

Gloss Black finish is standard. Other optional finishes available on request.

### Warranty and Certifications

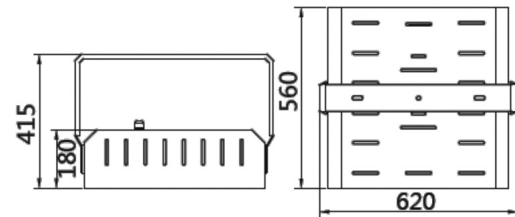
5 years for LED Light Engine and Driver, 7 years for housing. 50,000 hours @ 25°C L70 LED Illumination per LM-80. cULus Wet Locations in compliance with UL 1598 and CSA C22.2 NO. 250.0 standards. IP65, IP67 upgrade option. Suitable for indoor/outdoor wet or damp location use. DLC listed and Lighting Facts.



### Dimensions

22 x 22 x 7.1 inches

EPA: 5.2



Weight: 60.3lbs / 22.5kg



## Ordering Guide

MODEL	TOTAL LED POWER	CCT COLOR TEMP	LIGHT BEAM SPREAD	INPUT VAC	LIGHTING CONTROL	GLARE CONTROL	MOUNTING
SMF	450 450 = 450W	50 27 - 2700K* 30 - 3000K* 40 - 4000K* 50 - Standard *+/-350K	5 4 = NEMA 4HX4V 5 = NEMA 5HX5V 6 = NEMA 5HX7V	U U = Universal 100V to 277V 48 = 480V	D ND = Non Dimming D = Dimming	**Consult factory for available options	SM SF = Slip Fitter Mount SM = Surface Mount

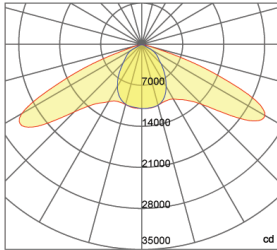
Note: Due to continued efforts to improve our products, specifications are subject to change without notice.



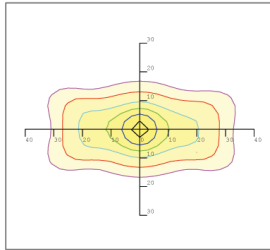
# Smart™ Flood 450

## Photometrics

### 85/135 Degree Lens (clear frosted) NEMA Type 6



— 0.0~180.0  
— 90.0~270.0



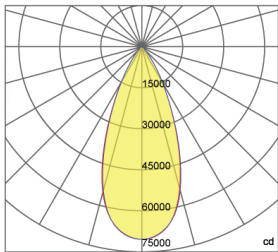
Mounting Hight 14m, 0 Tilt,  
50LUX-5LUX

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

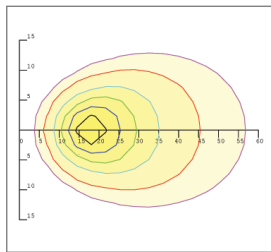
Height	Rectangular Light Spot	LUX
10m	18x48m	102LUX
11m	20x53m	83LUX
12m	22x58m	71LUX
13m	24x63m	61LUX
14m	26x68m	53LUX

Beam Angle (50% max)	85x135 DEG
Field Angle (10%)	130x150 DEG
Luminous Flux (IES)	40,813 lm
Light Efficacy (IES)	90 lm/W
NEMA Type	7H x 7V
BUG Rating	B5-U2-G5
UGR	19/32
IES Classification	Type II
Cutoff Classification	Semi-Cutoff

### 45 Degree Lens NEMA Type 5



— 0.0~180.0  
— 90.0~270.0



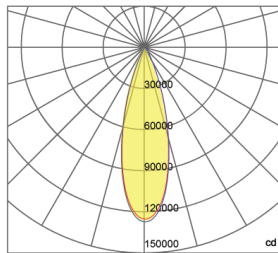
Mounting Hight 18m, 60 Tilt,  
50LUX-5LUX

#### Illumination-45 Degree Beaming Angle

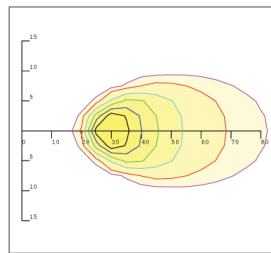
Height	Beam Diameter	LUX
20m	φ 17m	170LUX
25m	φ 21m	109LUX
30m	φ 25m	75LUX
35m	φ 29m	55LUX
40m	φ 33m	42LUX

Beam Angle (50% max)	45 DEG
Field Angle (10%)	73 DEG
Luminous Flux (IES)	43,296 lm
Light Efficacy (IES)	94 lm/W
NEMA Type	5H x 5V
BUG Rating	B5-U1-G1
UGR	15
Cutoff Classification	Cutoff

### 30 Degree Lens NEMA Type 3



— 0.0~180.0  
— 90.0~270.0



Mounting Hight 25m, 60 Tilt,  
50LUX-5LUX

#### Illumination-30 Degree Beaming Angle

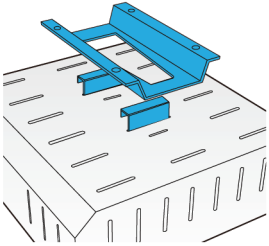
Height	Beam Diameter	LUX
20m	φ 11m	424LUX
30m	φ 16m	189LUX
40m	φ 21m	107LUX
50m	φ 27m	68LUX
60m	φ 32m	47LUX

Beam Angle (50% max)	35 DEG
Field Angle (10%)	48 DEG
Luminous Flux (IES)	41,641 lm
Light Efficacy (IES)	91 lm/W
NEMA Type	3H x 3V
BUG Rating	B5-U1-G1
UGR	15
Cutoff Classification	Cutoff

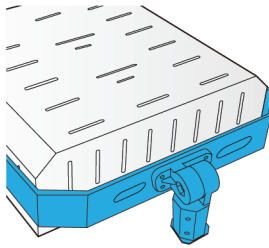
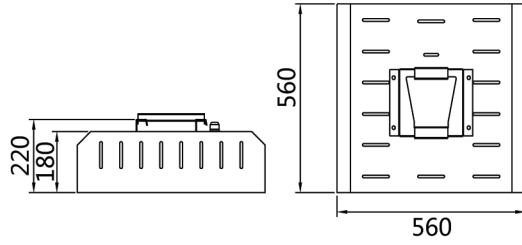


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## Mounting Options



### Surface Mount



### Slip Fitter Mount

