

Product # _____ Type _____ Date _____

Project Name _____

Project Location _____ Prepared By _____

Smart™ Flood 50

Smart™ Light Specifications

The 50 watt Smart™ Flood is designed to replace HID light sources of up to 175 watts. This is accomplished with sealed high brightness light modules with precision control TIR type optics.

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. 3 available mounting options.

Optics/Lens

The 50 watt Smart™ Flood contains 1 - 50 watt IP67 sealed light module 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

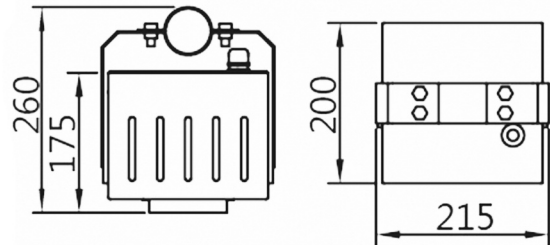
5 years for LED Light Engine and Driver, 7 years for housing. 50,000 hours @ 25°C L70 LED Illumination per LM-80. cULus Wet Locations in compliance with UL 1598 and CSA C22.2 NO. 250.0 standards. IP65, IP67 upgrade option. Suitable for indoor/outdoor wet or damp location use. DLC listed and Lighting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



Dimensions

7.9 x 7.9 x 6.9 inches

EPA: 0.75



Weight: 7.9lbs (3.6kg)



Ordering Guide

MODEL	TOTAL LED POWER	CCT COLOR TEMP	LIGHT BEAM SPREAD	INPUT VAC	LIGHTING CONTROL	GLARE CONTROL
SMF	50 50 = 50W	50 27 - 2700K* 30 - 3000K* 40 - 4000K* 50 - 5000K 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

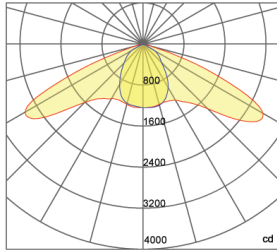
Note: Due to continued efforts to improve our products, specifications are subject to change without notice.



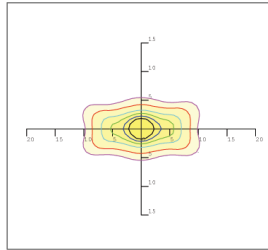
Smart™ Flood 50

Photometrics

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



— 0.0~180.0
— 90.0~270.0

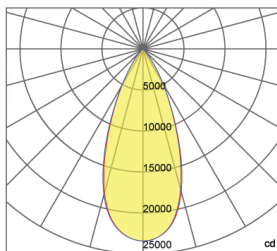


Mounting Hight 4m, 0 Tilt,
50LUX-5LUX

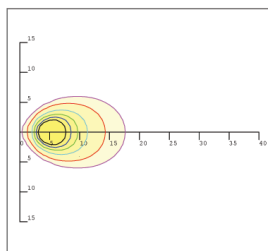
Height	Rectangular Light Spot	LUX
3m	5x14m	93LUX
4m	7x19m	61LUX
5m	9x24m	42LUX
6m	11x29m	30LUX
7m	13x34m	23LUX

Beam Angle (50% max)	85x135 DEG
Field Angle (10%)	130x150 DEG
Luminous Flux (IES)	4,401 lm
Light Efficacy (IES)	88 lm/W
NEMA Type	7H x 7V
BUG Rating	B2-U1-G2
UGR	17/30
IES Classification	Type II
Cutoff Classification	Semi-Cutoff

45 Degree Lens NEMA Type 5



— 0.0~180.0
— 90.0~270.0

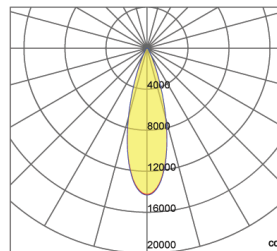


Mounting Hight 5m, 60 Tilt,
50LUX-5LUX

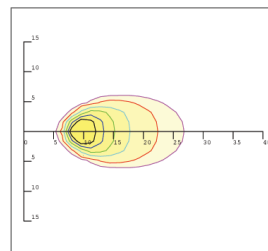
Height	Beam Diameter	LUX
10m	φ 8m	77LUX
15m	φ 12m	35LUX
20m	φ 17m	19LUX
25m	φ 21m	12LUX
30m	φ 25m	9LUX

Beam Angle (50% max)	45 DEG
Field Angle (10%)	73 DEG
Luminous Flux (IES)	4,811 lm
Light Efficacy (IES)	91 lm/W
NEMA Type	5H x 5V
BUG Rating	B5-U1-G1
UGR	13
Cutoff Classification	Cutoff

30 Degree Lens NEMA Type 3



— 0.0~180.0
— 90.0~270.0



Mounting Hight 8m, 60 Tilt,
50LUX-5LUX

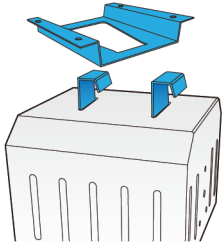
Height	Beam Diameter	LUX
10m	φ 5m	187LUX
15m	φ 8m	83LUX
20m	φ 11m	47LUX
25m	φ 13m	30LUX
30m	φ 16m	21LUX

Beam Angle (50% max)	35 DEG
Field Angle (10%)	48 DEG
Luminous Flux (IES)	4,571 lm
Light Efficacy (IES)	91 lm/W
NEMA Type	3H x 3V
BUG Rating	B5-U1-G0
UGR	12
Cutoff Classification	Cutoff

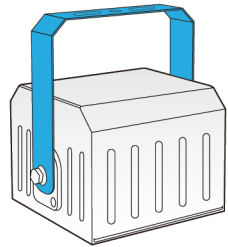
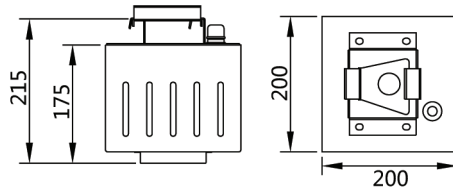


Smart™ Flood 50

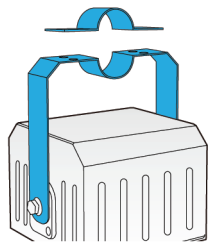
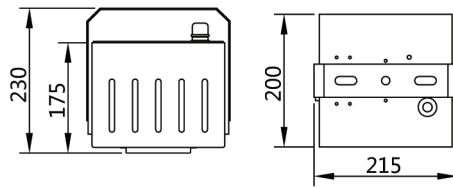
Mounting Options



Surface Mount



Adjustable Yoke



Mounting Bracket /w Clamping Ring

