

Product # _____ Type _____ Date _____

Project Name _____

Project Location _____ Prepared By _____

Smart™ Flood 300

Smart™ Light Specifications

The 300 watt Smart™ Flood is designed to replace HID light sources of up to 1000 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 300 watt Smart™ LED Flood utilizes 6 x 50 watt IP67 sealed light modules which are field 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 95 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

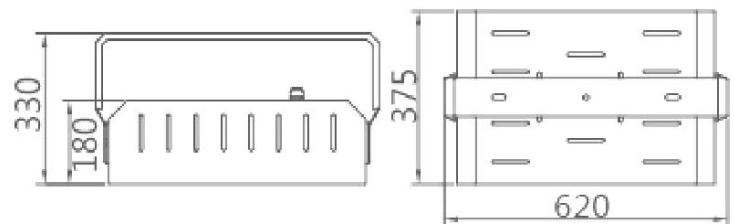
5 years for LED Light Engine and Driver, 7 years for housing. 50,000 hours @ 25°C L70 LED Illumination per LM-80. cULus Wet Locations in compliance with UL 1598 and CSA C22.2 NO. 250.0 standards. IP65, IP67 upgrade option. Suitable for indoor/outdoor wet or damp location use. DLC listed and Lighting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



Dimensions

22 x 14.8 x 7.1 inches

EPA: 4.0



Weight: 38.8lbs / 17.6kg



Ordering Guide

MODEL	TOTAL LED POWER	CCT COLOR TEMP	LIGHT BEAM SPREAD	INPUT VAC	LIGHTING CONTROL	GLARE CONTROL	MOUNTING
SMF	300	50	5	U	D	**Consult	SM
	300 = 300W	27 – 2700K* 30 – 3000K* 40 – 4000K* 50 – Standard	4 = NEMA 4HX4V 5 = NEMA 5HX5V 6 = NEMA 5HX7V	U = Universal 100V to 277V 48 = 480V	ND = Non Dimming D = Dimming	factory for available options	SF = Slip Fitter Mount SM = Surface Mount

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

*+/-350K

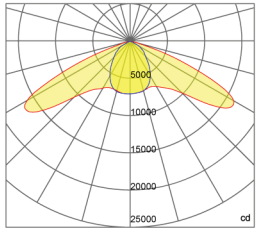


835 Industrial Drive, Elmhurst, IL 60126 708.681.4330 www.nslights.com

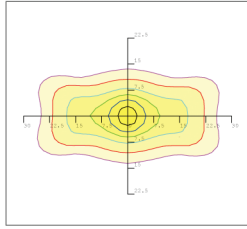
Smart™ Flood 300

Photometrics

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



— 0.0~180.0
— 90.0~270.0

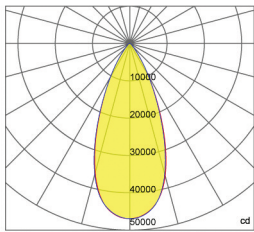


Mounting Hight 11m, 0 Tilt,
50LUX-5LUX

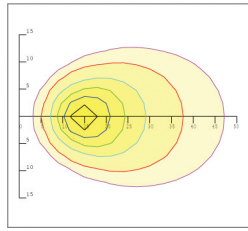
Illumination-85/135 Degree Beaming Angle		
Height	Rectangular Light Spot	LUX
8m	15×39m	102LUX
9m	16×43m	81LUX
10m	18×48m	66LUX
11m	20×53m	55LUX
12m	22×58m	46LUX

Beam Angle (50% max)	85x135 DEG
Field Angle (10%)	130x150 DEG
Luminous Flux (IES)	27,213 lm
Light Efficacy (IES)	90 lm/W
NEMA Type	7H x 7V
BUG Rating	B4-U2-G4
UGR	18/32
IES Classification	Type II
Cutoff Classification	Semi-Cutoff

45 Degree Lens NEMA Type 5



— 0.0~180.0
— 90.0~270.0

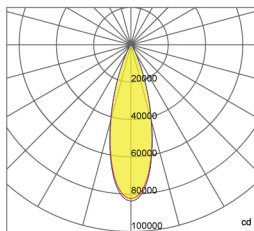


Mounting Hight 15m, 60 Tilt,
50LUX-5LUX

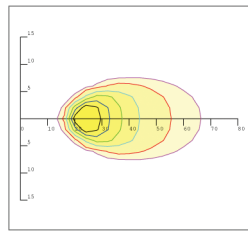
Illumination-45 Degree Beaming Angle		
Height	Beam Diameter	LUX
20m	φ 17m	117LUX
25m	φ 21m	78LUX
30m	φ 25m	52LUX
35m	φ 29m	38LUX
40m	φ 33m	29LUX

Beam Angle (50% max)	45 DEG
Field Angle (10%)	73 DEG
Luminous Flux (IES)	28,864 lm
Light Efficacy (IES)	95 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 20m, 60 Tilt,
50LUX-5LUX

Illumination-30 Degree Beaming Angle		
Height	Beam Diameter	LUX
20m	φ 11m	283LUX
30m	φ 16m	126LUX
40m	φ 21m	71LUX
50m	φ 27m	45LUX
60m	φ 32m	31LUX

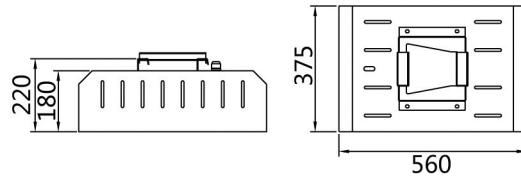
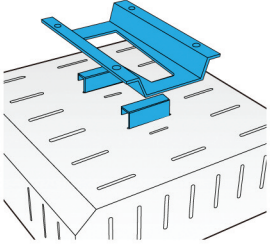
Beam Angle (50% max)	35 DEG
Field Angle (10%)	48 DEG
Luminous Flux (IES)	27,926 lm
Light Efficacy (IES)	92 lm/W
NEMA Type	3H x 3V
BUG Rating	B5-U1-G0
UGR	15
Cutoff Classification	Cutoff



Smart™ Flood 300

Mounting Options

Surface Mount



Slip Fitter Mount

