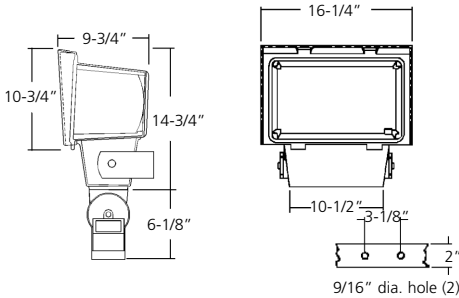


# Star Flood Small (SF)



Suitable for wet locations  
Lamp not included

Effective Projected Area  
EPA = 1.5 SQ. FT.  
WEIGHT = 27-30 lbs



Accessories/Mounting Brackets,  
see Accessory Page

### Star Flood Specification

Star Flood, NEMA heavy duty, wide beam rectangular weatherproof floodlight, shall operate a 70 to 150 watt mogul base high pressure sodium lamp or 175 watt mogul base metal halide lamp. Available with (specify) 120, 208, 240, 277, 480volt or 4MT (120, 208, 240 & 277V) 60Hz ballast. The floodlight shall be completely pre-wired and factory assembled.

### Basic Product Description

Cast aluminum ballast and lamp housing compartment contains thermally isolated wiring. Floodlight is finished in all weather bronze polyester coating (optional colors available). Floodlight shall include a sturdy two hole mounting yoke formed of high strength non-corrosive aluminum, degree aiming quadrant with positive repositioning stop. Wiring compartment access on bottom of ballast housing. Adjustable knuckle (2" pipe - 2 3/8" O.D.) mounting is available. All stainless steel hardware. The tempered clear glass lens is thermal shock and impact resistant.

### Ballast Characteristics

The floodlight shall contain a U.L. recognized High Power Factor ballast (see note below) and start and operate the lamp down to -20°F (-30°C) for metal halide and -40°F (-40°C) for high pressure sodium. Mercury vapor lamps may be used in 175 watt metal halide fixtures. For availability of 220/240V 50Hz ballasts - consult factory.

### Reflector Assembly

Die cast hinged lens frame with silicone gasket provides easy front access to lamp. A precision formed anodized finished reflector provides wide beam distribution.

### Suggested Applications

Area, security and sign lighting.

### Ordering Example

Unit	Wattage	Photometrics	Mounting	Lamp Style	Voltage	Ballast Style
SF	3	7	1	H	208	H
Star Flood	0 - 70 1 - 100 2 - 150 3 - 175 4 - 250	7 - Wide Beam	1-Yoke Mount 4-Knuckle Mount (factory installed)	LS - High Pressure Sodium H - Metal Halide	120 208 240 277 480 4MT- (120, 208, 240, 277V) LB - Less Ballast*	H - High Power Factor

### Accessories

#### V

- V - Visor
- LS - Lamp Support
- SIF - Single Inline Fuse (120, 277v)
- DIF - Double Inline Fuse (208, 240, 480v)
- FB - Filter Breather
- PL - Vandal Resistant Polycarbonate Shield
- SC - Stainless Steel Safety Cable
- RPC - Factory Wired Twist Lock Photocell Receptacle Only
- PE - Twist Lock Photocell
- 3/14/350 - 3 ft. cord. for other length change 3' to length desired
- D - Deflectors (left or right side)
- G - Wire Guard
- UP - for aiming above horizontal

Note:  
For 70-150 watt HPS: HX-HPF Ballast  
For 170 watt MH or Merc. Vapor: CWA Ballast

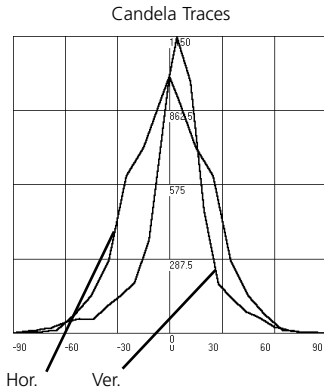
CSA Certification - consult factory.

\*Consult factory



# Star Flood Small (SF)

## Photometrics



Isocandela Curve/Lumen Distribution

Horizontal Angles-Degrees		Vertical Angles-Degrees							
0	10	20	30	40	50	60	70	80	90
0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.5
0.3	0.3	0.2	0.2	0.1	0.1	0.0	0.0	0.0	1.2
0.6	0.6	0.4	0.3	0.2	0.1	0.1	0.0	0.0	2.3
1.3	1.1	0.8	0.5	0.3	0.1	0.1	0.0	0.0	4.2
2.0	1.7	1.3	1.1	0.9	0.3	0.1	0.0	0.0	7.4
3.3	3.0	2.7	2.4	1.4	0.4	0.0	0.0	0.0	13.1
4.6	4.2	3.7	3.2	2.0	0.7	0.1	0.0	0.0	17.7
10.3	9.6	8.7	7.5	5.1	0.8	0.1	0.0	0.0	29.9
20.8	19.6	17.3	14.2	9.3	0.9	0.1	0.0	0.0	55.4
24.2	18.3	13.1	8.4	4.4	2.4	1.0	0.1	0.0	65.5
938	625	313	219	156	115				
17.3	43.0	10.2	5.3	2.4	1.0	0.1	0.0	0.0	49.3
8.6	21.5	10.2	5.3	2.4	1.0	0.1	0.0	0.0	26.8
4.0	4.3	3.7	3.0	2.3	0.8	0.1	0.0	0.0	18.6
3.4	3.3	3.0	2.4	1.8	0.7	0.1	0.0	0.0	14.7
2.4	2.3	2.1	1.7	1.2	0.4	0.0	0.0	0.0	10.1
1.3	1.1	1.0	0.8	0.6	0.3	0.1	0.0	0.0	5.2
1.3	1.1	1.0	0.8	0.3	0.1	0.1	0.0	0.0	4.5
1.0	0.8	0.6	0.4	0.4	0.1	0.1	0.0	0.0	3.3
1.0	0.8	0.6	0.4	0.4	0.1	0.1	0.0	0.0	1.9
0.5	0.4	0.4	0.3	0.2	0.1	0.0	0.0	0.0	1.1
108.4	86.7	67.7	38.6	23.1	9.0	1.4	0.0	0.0	

Lumens-Summation of Horizontal Zones

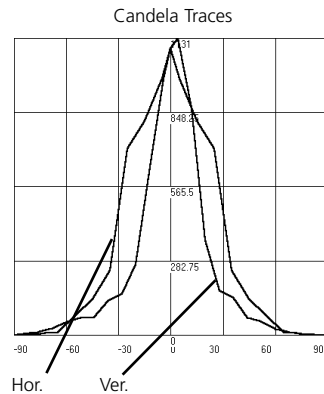
Lumens-Summation of Vertical Zones

Fixture: SF-271LS  
Lamp: 150 Watt Clear High Pressure Sodium

IES Type 5H X 5V  
Max Candela 1146  
Hor Field Angle (10%) 97.6 deg  
Ver Field Angle (10%) 72.2 deg  
Field Lumens 559  
Field Efficiency 55.9%

Candela & Lumen values are based on 1,000 lamp lumens. For other lamp lumen ratings, multiply candela and lumen values by the number: Lumens divided by 1,000.

Per 1,000 Lamp Lumens



Isocandela Curve/Lumen Distribution

Horizontal Angles-Degrees		Vertical Angles-Degrees							
0	10	20	30	40	50	60	70	80	90
0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.5
0.3	0.2	0.2	0.2	0.1	0.1	0.0	0.0	0.0	1.1
0.6	0.5	0.5	0.5	0.2	0.1	0.1	0.0	0.0	2.3
1.2	1.0	0.7	0.5	0.2	0.1	0.1	0.0	0.0	3.8
1.7	1.4	1.1	0.8	0.4	0.2	0.1	0.0	0.0	5.7
3.4	3.2	2.8	2.6	1.2	0.4	0.1	0.0	0.0	13.7
4.2	4.6	3.3	2.7	2.0	0.6	0.1	0.0	0.0	16.9
8.7	7.0	5.1	3.2	2.1	0.8	0.1	0.0	0.0	27.0
20.0	12.7	9.2	5.0	2.3	1.0	0.1	0.0	0.0	49.0
24.2	21.0	13.4	4.7	2.3	1.0	0.1	0.0	0.0	70.0
976	732	489	244	171	113				
21.4	45.6	12.4	6.0	2.4	1.0	0.1	0.0	0.0	57.0
14.4	30.0	6.7	3.2	2.2	1.0	0.1	0.0	0.0	37.0
8.3	16.6	4.5	2.1	2.0	1.0	0.1	0.0	0.0	22.6
3.8	3.6	3.1	2.5	1.8	0.7	0.1	0.0	0.0	15.6
3.1	3.0	2.6	2.3	1.3	0.4	0.1	0.0	0.0	12.6
1.6	1.5	1.3	1.0	0.5	0.2	0.1	0.0	0.0	6.2
1.6	1.4	1.1	0.7	0.3	0.2	0.1	0.0	0.0	5.4
1.1	1.0	0.8	0.5	0.3	0.2	0.1	0.0	0.0	4.0
0.6	0.5	0.4	0.3	0.2	0.1	0.1	0.0	0.0	2.2
0.3	0.3	0.2	0.2	0.2	0.1	0.0	0.0	0.0	1.3
118.4	92.3	72.5	38.9	22.1	9.2	1.7	0.0	0.0	

Lumens-Summation of Horizontal Zones

Lumens-Summation of Vertical Zones

Fixture: SF-371H  
Lamp: 175 Watt Clear Metal Halide

IES Type 5H X 5V  
Max Candela 1131  
Hor Field Angle (10%) 97.8 deg  
Ver Field Angle (10%) 77.1 deg  
Field Lumens 616  
Field Efficiency 61.6%

Candela & Lumen values are based on 1,000 lamp lumens. For other lamp lumen ratings, multiply candela and lumen values by the number: Lumens divided by 1,000.

Per 1,000 Lamp Lumens

