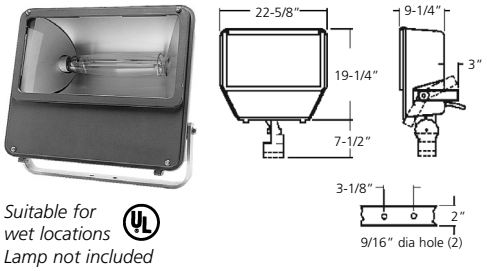
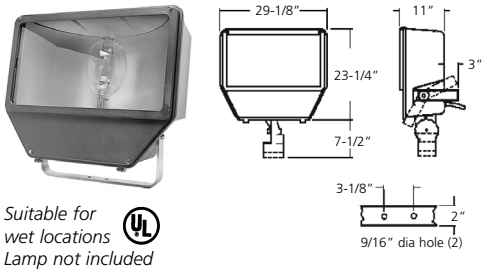
Marine Star Flood (SFAM)



Suitable for wet locations
Lamp not included

Type C
1000 watt High Pressure Sodium

Effective Projected Area
EPA = 3.02 SQ. FT. WEIGHT = 50-70 lbs Max.



Suitable for wet locations
Lamp not included

Type D
1000 watt Metal Halide (Mercury Vapor)

Effective Projected Area
EPA = 4.4 SQ. FT. WEIGHT = 80 lbs Max.

Marine Star Flood Specification
Marine Star Flood is U.L. 595 Marine Listed and Coast Guard approved, suitable for salt water environment for marine locations. Available in 1000 watt mogul base high pressure sodium lamp (SFAM, Type C), or 1000 watt mogul base metal halide lamp (SFAM, Type D). Available with (specify) 120, 208, 240, 277, 480 volt or 4MT(120, 208, 240, 277V) 60Hz ballast. The floodlight shall be completely pre-wired and factory assembled.

Basic Product Description
Copper free cast aluminum lamp and ballast housing. Hinged copper free cast aluminum lens frame with stainless steel slotted hex head captive screws. Front opening for easy relamping. Floodlight is finished in all weather bronze polyester powder coat finish. Floodlight shall include a sturdy two hole mounting yoke formed of high strength non-corrosive copper free aluminum SFAM wiring compartment access through lens door. Adjustable knuckle 2" to 2-1/2" pipe - 2-3/8" to 2-7/8" O.D. on SFAM) mounting is available. All stainless steel hardware. The tempered clear glass lens is thermal shock and impact resistant. Porcelain lamp grip socket with nickel plated spring loaded center contact eliminates lamp loosening. Optional shock absorbing socket available.

Ballast Characteristics
The SFAM floodlight shall contain a U.L. recognized High Power Factor, constant wattage auto-transformer type ballast 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 400 watt metal halide SFAM Type B fixtures and 1000 watt metal halide SFAM Type D fixtures.

For availability of 220/240V 50Hz ballasts - consult factory.

Reflector Assembly
Copper free cast aluminum hinged lens frame with silicone gasket provides easy front access to lamp. A precision formed anodized finished reflector provides a wide beam distribution.

Ordering Example

Unit SFM/SFAM	Wattage 4	Photometrics 7	Mounting 1	Lamp Style H	Voltage 120	Ballast Style H
Marine Star Flood	8 - 1000	5 or 7 - Wide Beam	1- Yoke Mount 4 - Knuckle Mount	H - Metal Halide LS - High Pressure Sodium	120 208 240 277 347 480 4MT (120, 208, 240, 277V)	H - High Power Factor

Accessories
V

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 -	Photocell Receptacle
PE -	Twist Lock Photocell
SMS -	Shock Mounted Socket
UP -	For aiming above horizontal

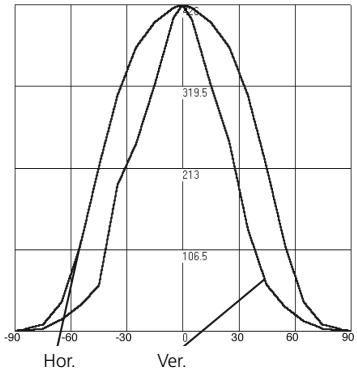
CSA Certification - consult factory.

North Star Lighting
2150 Parkes Drive P.O. Box 6038 Broadview, Illinois 60155-6038 708-681-4330 Fax 708-681-4006 www.nslights.com

Marine Star Flood (SFAM)

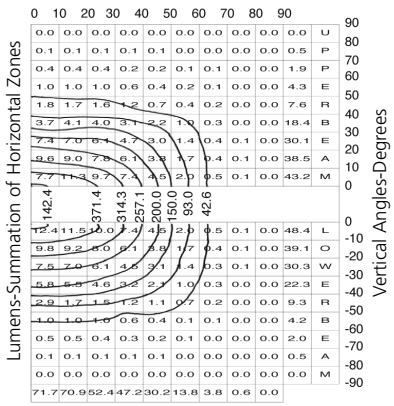
Photometrics

Candela Traces



Isocandela Curve/Lumen Distribution

Horizontal Angles-Degrees



Lumens-Summation of Vertical Zones

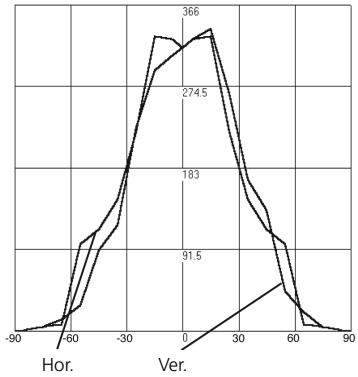
Fixture: SFAM-851LS
Lamp: 1000 Watt Clear
High Pressure Sodium

IES Type	6H X 6V
Max Candela	426
Hor Field Angle (10%)	128.9 deg
Ver Field Angle (10%)	103.1 deg
Field Lumens	568
Field Efficiency	56.8%
Total Lumens	606.6
Total Efficiency	60.7%

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.

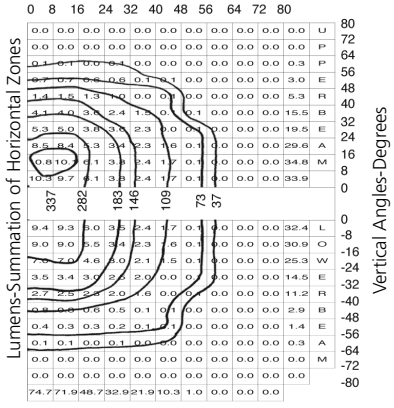
Per 1,000 Lamp Lumens

Candela Traces



Isocandela Curve/Lumen Distribution

Horizontal Angles-Degrees



Lumens-Summation of Vertical Zones

Fixture: SFAM-851H
Lamp: 1000 Watt Clear Metal Halide

IES Type	6H X 6V
Max Candela	366
Hor Field Angle (10%)	123.2 deg
Ver Field Angle (10%)	113.7 deg
Field Lumens	501
Field Efficiency	50.1%
Total Lumens	519
Total Efficiency	51.9%

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