

Champ® FMV1000 nR High Wattage Floodlights

The Champ FMV1000 Series high wattage floodlight is the best in its class with heavy-duty vapor-tight housing designed exclusively for harsh industrial areas requiring broad area lighting.

The FMV1000 Series floodlight boasts restricted breathing and easy-to-wire terminal blocks as standard. It is available in the following HID lamp sources and wattages:

- 600, 750, 1000W High Pressure Sodium
- 1000, 1500W Metal Halide

The Champ FMV1000 Series is NEMA Type 4X and IP66 watertight, and its heavy-duty aluminum housing and stainless steel hardware provide a robust design suitable for the most corrosive/marine environments.



Industry Best for Ease of Installation:

1. Removable ballast tray
2. Prewired to terminal blocks
3. Substantial room for wiring

Restricted breathing comes standard with this NEMA Type 4X and IP66 rated floodlight.

Key Features & Benefits:

- **AEx nR, Ex nR restricted breathing rating is standard**—a hazardous location luminaire without additional accessories or options; restricted breathing offers cooler T-numbers for increased hazardous locations suitability
- **NEMA 7x6 butterfly beam floodlight pattern**—wide, uniform and far reaching to provide excellent efficiency and more light where you need it
- **NEMA Type 4X and IP66 construction is designed for use indoor and outdoors in marine and wet locations**—with stainless steel external hardware suitable for saltwater and corrosive applications
- **Easy wiring**—standard terminal block with marked terminals saves time and eliminates wiring errors
- **Vapor tight sealing cable connector**—standard
- **Standard machining**—will accept 3/4 inch NCGB or 3/4 inch Myers® hub (Myers hub is an option). Optional metric machining will accept M20 or M25 (must be specified on order)
- **Low and High ambient capability to -40°C**—perfect for colder climates, 50°C workhorse in hot climates
- **Heavy-duty, extruded copper-free aluminum enclosure with epoxy coating and stainless steel hardware**—provides a robust design with industrial grade construction and corrosion resistance
- **Precision formed aluminum reflector**—superior beam control, distribution and efficiency
- **High light output with a low cost of operation**—cost-effectiveness in a high-wattage floodlight

Standard Materials:

- Housing—extruded aluminum
- External hardware—stainless steel
- Yoke—316 stainless steel
- Lens—heat- and impact-resistant tempered glass
- Gasketing—neoprene

Standard Finishes:

- Aluminum—Corro-Free™ epoxy powder coat
- Stainless steel—natural

Certifications & Compliances:

NEC/CEC (NEC ballast gear and socket)

- Class I, Division 2—Groups A, B, C, D
- Class I, Zone 2—AEx nR II, Group IIC
- Marine locations
- IP56
- Wet locations
- NEMA Type 4X

IEC (IEC ballast gear and socket)—pending

- IEC Ex Class I, Zone 2
- Ex nA nR IIC

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Ratings (Electrical/Size):

SOURCES/WATTAGES (MOGUL BASE LAMPS)

- HPS—600, 750 and 1000W
- MH—1000W
- MH—1500W non-hazardous location rated

VOLTAGES

Standard Voltage Ballasts

- Multi-tap (120, 208, 240 and 277V 60Hz)
- 480V 60Hz
- Tri-tap (120, 277, 347V 60Hz)

Optional Voltage Ballasts

- 220V or 240V 50Hz (for export)
- 220V 60Hz (for export)

Isolated Ballasts

- 208, 240 or 480V (for Canada)

HUB SIZE

- 3/4" NPT—standard
- M20 or M25—optional
- Dual entry—NPT or metric

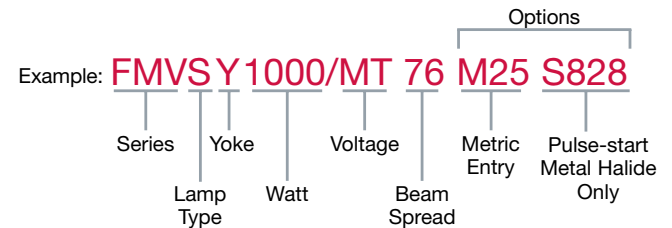
Ordering Information for Floodlight with NEC Ballast:

LAMP TYPE	WATTS	BASE CATALOG NUMBER*
High Pressure Sodium	600 750 1000	FMVSY600__ 76 FMVSY750__ 76 FMVSY1000__ 76
Metal Halide	1000 1500	FMVMY1000__ 76 FMVMY1500__ 76

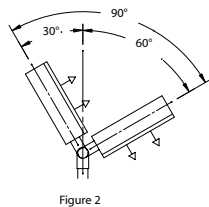
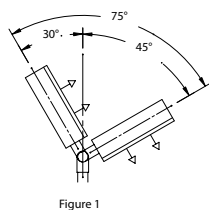
VOLTAGE SUFFIXES

Voltage (60Hz)	Dual-Tap	Tri-Tap	Multi-Tap	480
Suffix	/DT	/TT	/MT	/480

*To complete Catalog Number, add Voltage and Options suffix(es).



Temperature Performance Data:



CATALOG SERIES	LAMP TYPE	WATTAGE	40°C AMBIENT			50°C AMBIENT			FIXTURE AIMING RANGE FIGURE	
			TEMPERATURE CODE			TEMPERATURE CODE				
			CLASS I, ZONE 2	CLASS I, DIV. 2	SUPPLY WIRE °C	CLASS I, ZONE 2	CLASS I, DIV. 2	SUPPLY WIRE °C		
FMVS	High Pressure Sodium	600 750 1000	T3 T3 T3	T1 T1 T1	90 90 90	TS T3 T3	T1 T1 T1	105 105 105	90° 90° 90°	2 2 2
	Metal Halide	1000	T3	T1	90	T3	T1	105	90°	2
	Pulse-Start Metal Halide	750 750 1000 1000	T3 T3 T3 T3	T1 T1 T1 T1	90 90 90 90	T3 - T3 -	T1 - T1 -	105 - 105 -	75° 90° 75° 90°	1 2 1 2

Accessories (Order Separately):

Slipfitter Adapter: To be mounted to yoke mount fixture. Fits onto 2" pipe/conduit	SFA6
Wall Bracket: Use with slipfitter adapter SFA6 for easy wall mounting and increased adjustability	SWB6
Photocell in DS cover for use with FS/FD box:	
120V, 50/60Hz	D2S20
208-240V, 50/60Hz	D2S22
277V, 50/60Hz	D2S27

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Options:

DESCRIPTION	SUFFIX TO ADD TO CATALOG NO.
20mm metric thread for conduit opening	M20
25mm metric thread for conduit opening	M25
3/4" NPT hub conduit opening	NPT75
Pulse-start metal halide only	S828
Retention chain	S831
Enclosure machined for 2 conduit/cable entries	S886
Factory assembled, lamp installed in lampholder	FA

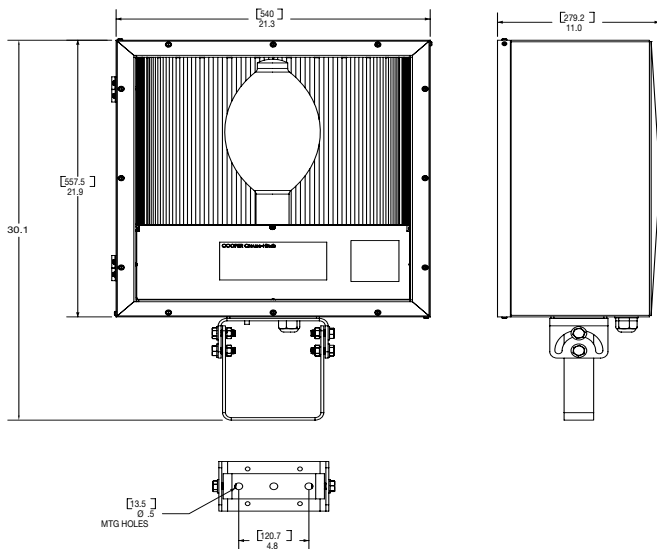
Effective Projected Area (EPA):

- For windloading
- For proper pole selection

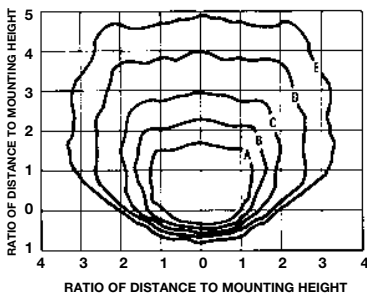
AIMING ANGLE	EPA
0°	3.5 FT ²
30°	3.6 FT ²
60°	2.9 FT ²

Weight and Dimensions:

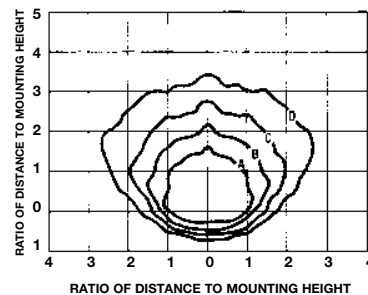
NET FIXTURE WEIGHTS (LBS.):	
FIXTURE SERIES	
FMVSY600	78
FMVSY750	76
FMVSY1000	83
FMVMY1000	76
FMVMY1500	84



Photometric Data:



Isofootcandle chart FMV **1000W High Pressure Sodium (HPS)**
 Catalog Number: FMVSY1000-76
 Lamp: 1000W Clear HPS
 Lumen rating: 140,000
 Fixture located at 0°, 0° aiming angle at 45°
 (Note: See Figure on page 9.)



Isofootcandle chart FMV **1000W Metal Halide (MH)**
 Catalog Number: FMVMY1000-76
 Lamp: 1000W Clear MH
 Lumen rating: 110,000
 For 1500W MH, multiply footcandles by 1.4
 Fixture located at 0°, 0° aiming angle at 45°
 (Note: See Figure on page 9.)

Lamp Selection (Mogul Base):

FIXTURE	WATTS TYPE	BULB	G.E.	OSRAM	PHILIPS
FMVSY600	600 HPS	T15	LU600/T	—	C600S106
FMVSY750	750 HPS	ED37	LU750	—	—
FMVSY1000	1000 HPS	E25	LU1000	—	C1000S52/ED37
FMVMY1000	1000 MH	BT56	MVR1000/U	—	MH1000/U
FMVSY1500	1500 MH	BT56	MVR1500/U/SPORTS	—	MH1500/BD