F Series (available MF Series: Marine Listed with optional hazardous location listing)
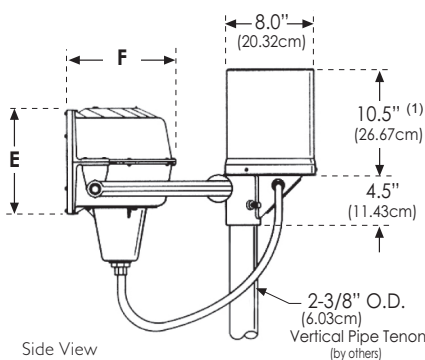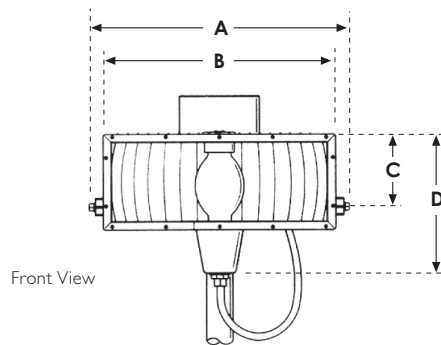
Industrial Floodlight - 250-1500 watt HID

Type:	Job:		Approvals:

Catalog Number:

-      -   -   -

Series/Source - Wattage (Include M prefix to designate Marine Listed series)	Optics (Reflector / Distribution)	Voltage	Options (Factory Installed)	Finish	Accessories (Field Installed)	Date: Page 1 of 6

Overall Dimensions
For Reference Only

Front View

Side View

8.0" (20.32cm)

10.5" (1) (26.67cm)

4.5" (11.43cm)

2-3/8" O.D. (6.03cm) Vertical Pipe Tenon (by others)

1) With certain dimming options, height of ballast container increases to 14.5" (36.83 cm).

Weight: 66 lbs (29.9 kg)

400 Watt (max) and 1000W PS unit - 23" housing

Note: 23" housing is standard for F series 1000W PS units with BT37 lamp for best lamp stability.

26" housing is required on MF series 1000W PS units with HAZ option *(hazardous location listed)*.

A	B	C	D	E	F
25.5" (64.77cm)	23.0" (58.42cm)	7.3" (18.42cm)	13.8" (34.93cm)	9.5" (24.13cm)	10.0" (25.40cm)

1000-1500 Watt - 26" housing

Exception: Standard F series 1000W PS unit with BT37 lamp requires 23" housing for socket stability. See note above.

A	B	C	D	E	F
27.5" (69.85cm)	26.0" (66.04cm)	9.3" (23.50cm)	18.0" (45.72cm)	13.3" (33.66cm)	11.5" (29.21cm)

EPA data shown on page 3.

Specifications

Dust-Tite

Housing
Die-cast aluminum housing shall be of marine-grade alloy with integrally cast, heat dissipating fins and a built-in aiming device. Dust-Tite housing shall be totally sealed from particulate entry. Standard unit constructed to IP65.
MF Series, with Marine Listing, constructed to IP66.

Optical Assembly
High purity, 94% minimum reflectivity anodized aluminum reflectors, assembled without machine forming to assure maximum efficiency.

Lamp Access
A gasketed and removable socket assembly provides lamp access from below. Allows re-lamping without re-aiming. High temperature gasket provides positive, weatherproof seal.

Lens
Lens shall be 7/32" clear tempered glass to withstand thermal and physical shock, held in place by an aluminum (extruded: 400W, die-cast: 1000/1500W) lens frame and sealed to housing flange by one extruded, high temperature gasket and stainless steel screws to provide a sealed optical assembly.

Socket
Pre-wired grip-type mogul base socket. Glass end of the lamp is held in precise photometric alignment and protected from breakage by a Stabilux socket.

Ballast
SilentGuard high power factor ballast with reliable starting down to -29°C (-20°F) for Metal Halide, -34°C (-30°F) for Pulse Start Metal Halide, and -40°C (-40°F) for High Pressure Sodium. Ballast has Class H, 180°C (356°F) rated insulation. Crest factor does not exceed 1.8. Core and coil are encapsulated in a polyester resin compound (standard SilentGuard feature) with the capacitor located outside the encapsulation for ease of maintenance. Ballast components are enclosed in a drawn aluminum container. The fixture and ballast are arranged as separate but integral components.

Mounting
Standard cast aluminum ballast base provides integral mastfitter, suitable for mounting to a 2-3/8" O.D. vertical tenon. Alternate mounting accessories available.

Finish
Standard finish shall be textured gray UltraClad polyester powder coating, 2.5 mil nominal thickness, electrostatically applied and oven cured. All components shall be thoroughly cleaned by a 5 stage pre-treatment process including iron phosphate bath and non-chromic acid etching stages, ensuring optimum performance characteristics. Other colors may be specified.

Listings
Standard unit is ETL/cETL listed to the UL 1598 standard, suitable for Wet Locations.
Available ETL/cETL listed to the UL 1598A standard - Marine Listing option (MF Series).
Available ETL/cETL listed to the UL 844 standard - Hazardous Location Listing available in the US (HAZ option for MF Series only, not available in Canada).
The quality systems of this facility have been registered by UL to the ISO 9001 Series Standards.
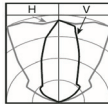
Warranty
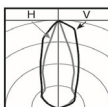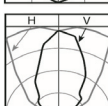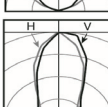7 Year Limited Warranty

Hg   Some luminaires use fluorescent or high intensity discharge (HID) lamps that contain small amounts of mercury. Such lamps are labeled 'Contain Mercury' and/or with the symbol 'Hg'. Lamps that contain mercury must be disposed of in accordance with local requirements. Information regarding lamp recycle and disposal can be found at www.lamprecycle.org.

PHILIPS

GARDCO

Series/Source-Wattage

☐ **M**   Marine Type UL 1598A Floodlight [1]

Metal Halide [2]

☐ **FM-1000**

☐ **FM-1500**

Pulse Start Metal Halide [3]

☐ **FP-250**

☐ **FP-350**

☐ **FP-400**

☐ **FP-1000**   Standard unit with BT37 lamp uses 23" housing. HAZ unit requires 26" housing.

High Pressure Sodium

☐ **FS-400**

☐ **FS-1000** [4]

Optics (Reflector/Distribution) [5]

☐ **A**   Specular Reflector Wide

☐ **B**   Specular Reflector Medium

☐ **C**   Diffused Reflector Very Wide

☐ **D**   Diffused Reflector Wide

Voltage

☐ **120**

☐ **208**

☐ **240**

☐ **277**

☐ **347**

☐ **480**

☐ **QV** [6]

Options (Factory Installed)

☐ **BL** [7]   Bi-Level

☐ **LQ**   Hot/Cold Quartz Restrike

☐ **LQ40**   Hot/Cold Quartz Restrike for Cold Weather starts to -40°C (-40°F)

☐ **F-F1** [8]   Single Fuse (120/277V)

☐ **F-F2** [8]   Double Fuse (208/240/480V)

☐ **LB** [9]   Less Ballast (remote mount ballast)

☐ **CO** [10]   Cutoff optics

☐ **HAZ** [11]   Hazardous Location listed

☐ **50HZ**   50 Hz Ballast operation (consult factory)

☐ **TG**   Teflon bonded to glass lens

☐ **PB(X)**   Pre-wired ballast **(X)** = SO cord length in feet: **3**, **6** or **10**

☐ **EPXY-CTD-WHT**   White Epoxy coated

☐ **EPXY-CTD-GR**   Gray Epoxy coated

Finish

☐ **TGR**   Textured Gray

☐ **TBK**   Textured Black

☐ **TDB**   Textured Dark Bronze

☐ **TSA**   Textured Satin Aluminum

☐ **TWHT**   Textured White

☐ **TGN**   Textured Green

☐ **M(F)**   Marine Grade finish;

Two-part epoxy primer and a polyurethane top coat especially suited for marine environments and coastal applications.

(F) = Specify color.

Example: MWHT = Marine Grade White finish

Consult factory for color availability.

Accessories (Ordered Separately)

☐ **F-F1-KIT-(F)**   Single Fuse Kit (120/277/347V)

☐ **F-F2-KIT-(F)**   Double Fuse Kit (208/240/480V)

☐ **MF-1-(F)** [9]   Mastfitter

☐ **TH-1-(F)** [9]   Lowering Adapter (Tenon Hanger)

☐ **HV-1-(F)** [9]   Trunion Base

☐ **WB-1-(F)**   Wall Bracket

☐ **WB-5-(F)**   Wiring Box (used with WB-1 & surface mounted conduit feed)

☐ **PX-1-(F)**   Cross-Arm Bracket

☐ **AL-4-F**   Auxiliary Polymer Lens (23" housing)

☐ **AL-10-F**   Auxiliary Polymer Lens (26" housing)

☐ **ALF-4-F-L/LENS-(F)**   Auxiliary Lens Frame (23" housing)

☐ **ALF-10-F-L/LENS-(F)**   Auxiliary Lens Frame (26" housing)

☐ **ALF-10-F-L/GLASS-LV8-(F)**   26" Lens Frame with louver;

☐ **LENS-ALF-F-4-GLASS-(color)**   Colored Lens (23" housing); **(color)** = lens color

☐ **LENS-ALF-F-10-GLASS-(color)**   Colored Lens (26" housing); **(color)** = lens color

☐ **PM-1**   Wood Pole Mounting Kit (with one U-arm)

☐ **PM-2**   Wood Pole Mounting Kit (with two U-arms)

☐ **PM-3**   Wood Pole Mounting Kit (with three U-arms)

☐ **PM-4**   Wood Pole Mounting Kit (with four U-arms)

☐ **SMB-400** [9]   Shock Mounting Bracket (23" housing)

☐ **SMB-1000** [9]   Shock Mounting Bracket (26" housing)

☐ **FB-1**   Flat Base Mount

☐ **PCM-1**   Photocell Receptacle Mounting Bracket

☐ **SK-40-(F)**   Cutoff Shield (23" housing)

☐ **SK-100-(F)**   Cutoff Shield (26" housing)

(F) = specify finish

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1) "M" prefix along with series designates UL 1598A Marine Listed option which includes additional Marine Grade gasketing. Unit is specially constructed with low copper content alloy (less than 0.4%) for corrosion control in harsh coastal and industrial environments or wherever marine type units are required. Meets U.S. Coast Guard specifications for marine type applications.

2) Wattages listed assume the use of clear lamps. Coated lamps also available for 1000W metal halide.

3) For acceptable performance, note position orientation specific nature of Pulse Start Lamps. Operation of Pulse Start lamps in other than recommended burning positions may result in significantly reduced performance. Consult factory to determine if a suitable Pulse Start Lamp is available for the intended application.

4) In 1000W HPS units, the standard SO cord from ballast to optic head is replaced with flex conduit. Less ballast options and accessories are not available.

5) A and B reflectors are of Specular Miro 4 aluminum; C and D reflectors are of Hammertone Miro 9 aluminum. Curves reflect coated lamp performance.

6) Allows field selection of 120/208/240/277V. (No 480V). Certain options may require voltage selection as well.

7) Suitable for HPS in any aiming position.

8) Fusing not available on MF series (marine listed) units.

9) Remote mount ballasts options and accessories are not available with 1000W HPS or on MF series (marine listed) units.

10) Available with B and D reflectors only.

11) HAZ listing available in the US on MF units only, 400W and 1000W only. HAZ listing not available in Canada

Type:	Job:		Page 3 of 6

Beam Spread Data

Reflector Type		Source	Wattage	Max Candle Power	H x V NEMA	Horizontal X Vertical 10% Field Angle	50% Beam Angle
A	Specular Wide	MH coated	1000W	43,000	7 x 7	147° x 140°	90° x 49°
B	Specular Medium	MH clear	1000W	249,000	3 x 4	38° x 62°	14° x 34°
			1500W	351,000	3 x 4	38° x 62°	14° x 34°
		MH coated	1000W	79,000	6 x 7	127° x 133°	36° x 44°
		PS clear	250W	52,000	3 x 4	38° x 62°	14° x 34°
			400W	90,000	3 x 4	38° x 62°	14° x 34°
			1000W	260,000	3 x 4	38° x 62°	14° x 34°
		HPS clear	400W	117,000	3 x 4	39° x 53°	15° x 26°
			1000W	236,000	5 x 5	88° x 87°	13° x 41°
C	Diffused Very Wide	MH clear	1000W	58,000	7 x 6	137° x 129°	83° x 37°
			1500W	82,000	7 x 6	137° x 129°	83° x 37°
		MH coated	1000W	37,000	7 x 7	150° x 144°	93° x 55°
		PS clear	250W	52,000	7 x 6	137° x 129°	83° x 37°
			400W	90,000	7 x 6	137° x 129°	83° x 37°
			1000W	260,000	7 x 6	137° x 129°	83° x 37°
		HPS clear	400W	26,000	7 x 6	137° x 125°	105° x 35°
			1000W	50,000	7 x 7	138° x 135°	85° x 58°
D	Diffused Wide	MH clear	1000W	133,000	5 x 5	93° x 76°	28° x 36°
			1500W	187,000	5 x 5	93° x 76°	28° x 36°
		MH coated	1000W	37,000	7 x 7	150° x 144°	93° x 55°
		PS clear	250W	52,000	5 x 5	93° x 76°	28° x 36°
			400W	90,000	5 x 5	93° x 76°	28° x 36°
			1000W	260,000	5 x 5	93° x 76°	28° x 36°
		HPS clear	400W	26,000	7 x 6	137° x 125°	105° x 35°
			1000W	50,000	7 x 7	138° x 135°	85° x 58°

Distribution Guide & Ballast Data [1,4,5]

Source Type[1]	Catalog Number	Reflector Type	Lamp Envelope	.ies File Name	ANSI Code	Line Current 120 / 208 / 240 / 277 / 480	Line Watts
MH Clear Lamps	FM-1000	B	BT56	fm100bss.ies	M47 / H36	9.2 / 5.6 / 4.7 / 4.1 / 2.4	1080
	FM-1000	C	BT56	fm100css.ies	M47 / H36	9.2 / 5.6 / 4.7 / 4.1 / 2.4	1080
	FM-1000	D	BT56	fm100dss.ies	M47 / H36	9.2 / 5.6 / 4.7 / 4.1 / 2.4	1080
	FM-1500	B	BT56	fm150bss.ies	M48	14.0 / 8.0 / 7.1 / 6.1 / 3.5	1625
	FM-1500	C	BT56	fm150css.ies	M48	14.0 / 8.0 / 7.1 / 6.1 / 3.5	1625
	FM-1500	D	BT56	fm150dss.ies	M48	14.0 / 8.0 / 7.1 / 6.1 / 3.5	1625
MH Coated Lamps	FM-1000	A	BT56	fmc10ass.ies	M47 / H36	9.2 / 5.6 / 4.7 / 4.1 / 2.4	1080
	FM-1000	B	BT56	fmc10bss.ies	M47 / H36	9.2 / 5.6 / 4.7 / 4.1 / 2.4	1080
	FM-1000	C	BT56	fmc10css.ies	M47 / H36	9.2 / 5.6 / 4.7 / 4.1 / 2.4	1080
	FM-1000	D	BT56	fmc10dss.ies	M47 / H36	9.2 / 5.6 / 4.7 / 4.1 / 2.4	1080
PS Clear Lamps	FP-400	B	BT37	fp40bss.ies	M135 / M155	4.0 / 2.2 / 1.9 / 1.8 / 1.0	456
	FP-400	C	BT37	fp40css.ies	M135 / M155	4.0 / 2.2 / 1.9 / 1.8 / 1.0	456
	FP-400	D	BT37	fp40dss.ies	M135 / M155	4.0 / 2.2 / 1.9 / 1.8 / 1.0	456
	FP-1000	B	BT37	fp100bss.ies	M141	9.0 / 5.2 / 4.5 / 3.9 / 2.4	1080
	FP-1000	C	BT37	fp100css.ies	M141	9.0 / 5.2 / 4.5 / 3.9 / 2.4	1080
	FP-1000	D	BT37	fp100dss.ies	M141	9.0 / 5.2 / 4.5 / 3.9 / 2.4	1080
HPS Clear Lamps	FS-400	B	ED18	fs40bss.ies	S51	4.1 / 2.5 / 2.1 / 1.9 / 1.1	467
	FS-400	C	ED18	fs40css.ies	S51	4.1 / 2.5 / 2.1 / 1.9 / 1.1	467
	FS-400	D	ED18	fs40dss.ies	S51	4.1 / 2.5 / 2.1 / 1.9 / 1.1	467
	FS-1000	B	E25	fs100bss.ies	S52	9.5 / 5.5 / 4.8 / 4.2 / 2.5	1100
	FS-1000	C	E25	fs100css.ies	S52	9.5 / 5.5 / 4.8 / 4.2 / 2.5	1100
	FS-1000	D	E25	fs100dss.ies	S52	9.5 / 5.5 / 4.8 / 4.2 / 2.5	1100

1) The F Series can accommodate a variety of other wattages and lamps. Consult factory.

2) MH = Metal Halide, PS = Pulse Start Metal Halide, HPS = High Pressure Sodium.

3) All ballasts are CWA (Constant Wattage Autotransformer).

4) LER values and efficiencies are not published. See NEMA Standard LE-5B.

5) Intended aiming and possible lamp orientation restrictions should be considered when selecting floodlight.
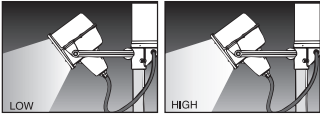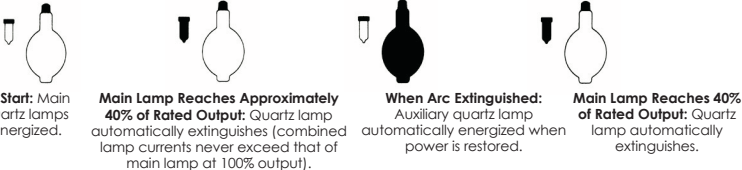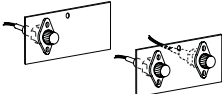
EPA	Effective Projected Area in Ft²
23'' housing	1.85
26'' housing	2.93

F Series (available MF Series: Marine Listed with optional hazardous location listing)
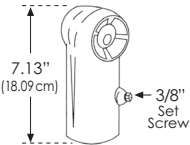
Industrial Floodlight - 250-1500 watt HID

Option Details (Factory Installed)
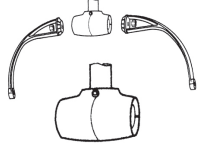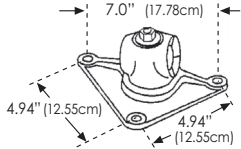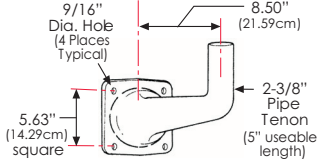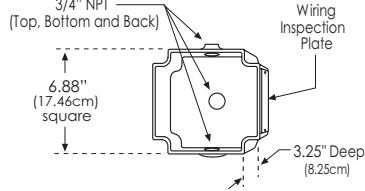
BL — Bi-Level

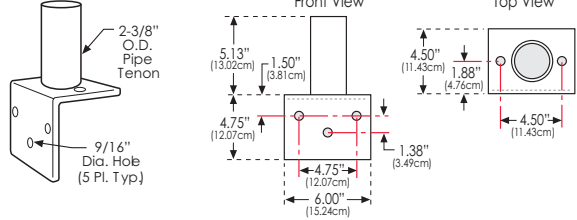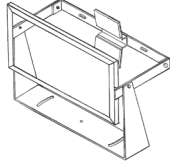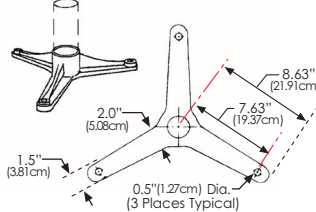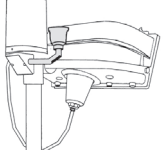*Note:* *Suitable for HPS in any aiming position. Consult factory when specifying dimming with Metal Halide.*

Bi-Level provides high / low level of lamp output with up to 50% power consumption. Zero cross-over network avoids strobing and lamp dropout.

LOW   HIGH

LQ — Hot/Cold Quartz Restrike

Note: *Standard 150 watt (120V) double contact bayonet base socket.*

Combined Quartz wattage may not exceed HID lamp wattage.

LQ40 — Hot/Cold Quartz Restrike for Cold Weather Starts to -40°C (-40°F)

LQ - Provides LiteMatic operation for fixtures with 120V or multi-tap ballasts.
LiteMatic Operation

Normal Start: Main and Quartz lamps both energized.

Main Lamp Reaches Approximately 40% of Rated Output: Quartz lamp automatically extinguishes (combined lamp currents never exceed that of main lamp at 100% output).

When Arc Extinguished: Auxiliary quartz lamp automatically energized when power is restored.

Main Lamp Reaches 40% of Rated Output: Quartz lamp automatically extinguishes.

F-F1 — Single Fuse *(120V/277V)*
F-F2 — Double Fuse *(208V/240V/480V)*

Note: *Fusing not available on MF series (marine listed) units. If ordering QV ballast, voltage must be specified.*

Fuses are KTK/KLK 30 amp unless otherwise specified.

LB — Less Ballast *(remote mount ballast)*

Note: *Remote mount ballast options and accessories are not available with 1000W HPS or on MF series (marine listed) units.*

Optic unit with mounting arms shipped without standard integral mastfitter and ballast assembly.
Requires mounting accessory MF-1, TH-1, HV-1, SMB-400 or SMB-1000 (shipped separately).

CO — Cutoff Optics

Note: *Available with B and D reflectors only.*

For applications where glare control is needed.
Requires use of proper cutoff shield accessory: SK-40-(F) or SK-100-(F) (shipped separately).

HAZ — Hazardous Location Listed

Limited to 400W and 1000W units only.

Available on **MF** (marine listed) units only. (See Listing on page 1.)

Class I, Division 2, Groups A, B, C and D.

	Class I Division 2, Groups A, B, C, D		
Catalog No.	Measured Max. Internal Operating Temperature	Measured Max. External Operating Temperature	T Rating
MFM-1000	339°C	163°C	T1
MFP-400	316°C	131°C	T1
MFP-1000 *	339°C	163°C	T1
Thermal limits require 26" housing for MF Series 1000W PS unit with UL 844 listed HAZ option rating.			
MFS-400	374°C	110°C	T1
MFS-1000	373°C	123°C	T1

Data supplied by Texas Research Institute, Inc., corrected to 23°C.
Note: The classification of an area as to class, division and groups and the use of UL 844 listed luminaires in such areas is solely the judgement of the owner, insurance carrier and the authority having jurisdiction.

50HZ — 50 Hz Ballast Operation *(consult factory)*

Specified for applications (outside the U.S.) where 50 Hertz operation is standard.

TG — Teflon Bonded to Glass Lens

5 MIL Teflon® bonded to standard glass lens.

PB(X) — Pre-wired ballast, specify length of SO cord in ft: (**X** = **3**, **6** or **10**)

Allows wiring connections to be made in remote mounted junction box. Useful with various mounting accessories such as WB1 wall bracket.

EPXY-CTD-WHT — White Epoxy Coated
EPXY-CTD-GR — Gray Epoxy Coated

Durable coating offers protection against mildly acidic or alkaline conditions.

Accessory Details (Field Installed - Shipped Separately)

F-F1-KIT -(F) — Single Fuse Kit *(120V/277V)*
F-F2-KIT -(F) — Double Fuse Kit *(208V/240V/480V)*

Consists of 1 or 2 fuse holders and 1 or 2 KTK 30 amp fuses. Field installed on wiring access plate. **Fusing not available with MF series (marine listed) units.** **(F)** = *specify finish*

MF-1-(F) — Mastfitter

Note:
Remote mount ballast options and accessories are not available with 1000W HPS or on MF series (marine listed) units.

Cast aluminum mastfitter for 2-3/8" O.D. pipe tenon. For use with remote mounted ballast on all F Series models.

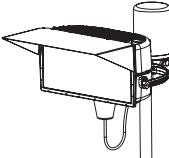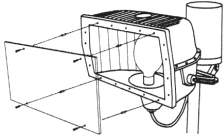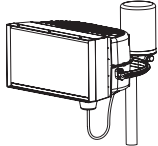*(Requires a vertical tenon height of 4-5/8" minimum)*

(F) = *specify finish*

7.13" (18.09 cm)   3/8" Set Screw

F Series (available MF Series: Marine Listed with optional hazardous location listing)

Industrial Floodlight - 250-1500 watt HID

Type:	Job:		Page 5 of 6

TH-1-(F) — Lowering Adapter *(Tenon Hanger)*

Note: *Remote mount ballast options and accessories are not available with 1000W HPS or on MF series (marine listed) units.*
***(F)** = specify finish*

Cast aluminum hanger tapped for 1-1/4" NPT conduit or pipe. Equips floodlights with remote mounted ballasts for use on standard lowering devices.
Mounting arms provided with fixture.
(Requires a vertical tenon length of 4-5/8" minimum)

HV-1-(F) — Trunion Base

Note: *Remote mount ballast options and accessories are not available with 1000W HPS or on MF series (marine listed) units.*
***(F)** = specify finish*

Cast aluminum trunion base bracket calibrated for horizontal adjustment.
For use with remote mounted ballast.

7.0" (17.78cm); 4.94" (12.55cm); 4.94" (12.55cm)

WB-1-(F) — Wall Bracket

***(F)** = specify finish*

Cast aluminum wall bracket for vertical surfaces only. Designed to permit mounting of floodlights on flat vertical surfaces.
Use in conjunction with WB-5 for surface mounted wiring.

9/16" Dia. Hole (4 Places Typical); 8.50" (21.59cm); 2-3/8" Pipe Tenon (5" useable length); 5.63" (14.29cm) square

WB-5-(F) — Wiring Box for WB-1 and surface mounted conduit feed

***(F)** = specify finish*

Used in conjunction with WB1 for surface mounted wiring. Tapped top, back and bottom for 3/4" conduit or pipe.
Gasket provided for sealing surface wiring box to WB-1 (wall mounting bracket).

3/4" NPT (Top, Bottom and Back); Wiring Inspection Plate; 6.88" (17.46cm) square; 3.25" Deep (8.25cm)

PX-1-(F) — Cross-arm Bracket

For installing floodlights on wooden or steel cross-arms.

***(F)** = specify finish*

Cast aluminum angle bracket with 2" pipe stub.

"L" base.

2-3/8" O.D. Pipe Tenon; 9/16" Dia. Hole (5 Pl. Typ.); Front View; 5.13" (13.02cm); 1.50" (3.81cm); 4.75" (12.07cm); 4.75" (12.07cm); 1.38" (3.49cm); 6.00" (15.24cm); Top View; 4.50" (11.43cm); 1.88" (4.76cm); 4.50" (11.43cm)

SMB-400 — Shock Mounting Bracket *(23" housing)*

SMB-1000 — Shock Mounting Bracket *(26" housing)*

Shock Mounting Bracket for use in applications where severe vibration may be present. Secures floodlight with a remote mounted ballast less mounting arms or mastfitter. Constructed of hot-dip galvanized steel with neoprene pads to absorb shock. Corrosion resistant assembly hardware is furnished.
Note: Not available with 1000W HPS or on MF series (marine listed) units.

FB-1 — Flat Base Mount

Cast aluminum mounting bracket for installing floodlights on flat horizontal surfaces.

For use with 2-3/8" OD pipe tenon (by others).
Limit tenon height to 8.0" (20.32cm).

8.63" (21.91cm); 7.63" (19.37cm); 2.0" (5.08cm); 1.5" (3.81cm); 0.5"(1.27cm) Dia. (3 Places Typical)

PCM-1 — Photocell Receptacle Mounting Bracket

Bracket with standard twist-lock receptacle for models with integral ballasts.
Threads into 1/2" NPT hole in ballast base or mastfitter.
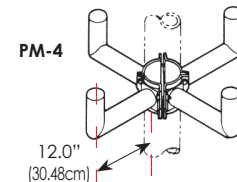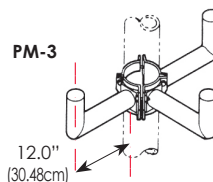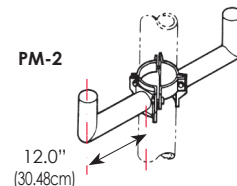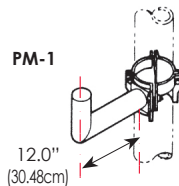*(Photocell not included.)*

G200-116/0614

F Series (available MF Series: Marine Listed with optional hazardous location listing)

Industrial Floodlight - 250-1500 watt HID

SK-40-(F) Cutoff Shield for 23" housing
SK-100-(F) Cutoff Shield for 26" housing

Cutoff shield provides precise vertical cutoff without distortion of lateral pattern.

(F) = Specify finish.

AL-4-F Auxiliary Polymer Lens for 23" housing
AL-10-F Auxiliary Polymer Lens for 26" housing

1/4" thick impact-resistant polymer lens provides additional protection of the glass lens.

Furnished with mounting hardware and standoffs.

AL-4-F-L/LENS-(F) Auxiliary Lens Frame for 23" housing
AL-10-F-L/LENS-(F) Auxiliary Lens Frame for 26" housing

Designed for use with colored lenses. Formed aluminum frame isolates the auxiliary lens from heat source for longer life. Gasketed to minimize particulate and moisture entry. May be used as a snoot when installed without a lens. Mounting hardware included.
(F) = Specify finish.

ALF-10-F-L/GLASS-LV8-(F) Auxiliary Lens Frame with 8-lite internal louver

For additional narrow beam glare control, specify the auxiliary lens frame with the 8-lite internal louver. Available for 26" housing only. (F) = Specify finish.

LENS-ALF-F-4-GLASS-(color) Colored Auxiliary Lens for 23" housing
LENS-ALF-F-10-GLASS-(color) Colored Auxiliary Lens for 26" housing

Colored auxiliary lens (fully tempered glass). Requires the use of the auxiliary lens frame.

(color) = Lens color. (Consult factory to specify color of glass lens.)
Note: Colored lens reduces efficiency.

PM-1 Wood Pole Mounting Kit with one U-arm
Shipping wt.: 6 lbs (2.7 kg)

PM-2 Wood Pole Mounting Kit with two U-arms
Shipping wt.: 9 lbs (4.05 kg)

PM-3 Wood Pole Mounting Kit with three U-arms
Shipping wt.: 12 lbs (5.4 kg)

PM-4 Wood Pole Mounting Kit with four U-arms
Shipping wt.: 15 lbs (6.8 kg)

For mounting luminaires with mastfitters to 6.0" to 12.0" O.D. wood poles.

PM-1 12.0" (30.48cm)
PM-2 12.0" (30.48cm)
PM-3 12.0" (30.48cm)
PM-4 12.0" (30.48cm)

Notes

ISO 9001 Certified   EISA   ETL Listed cUS

PHILIPS