

COOPER LIGHTING - LUMARK®

DESCRIPTION

The Lumark Falcon is a stylish and rugged luminaire that combines value and performance with a soft, architecturally appealing form. This soft rounded corner, die-cast construction is excellent for applications that have a high visibility and where a uniform beam distribution is desired. The Falcon floodlight can be wall or pole mounted, making it ideal for all commercial, industrial and residential low wattage floodlighting applications.

SPECIFICATION FEATURES

Construction

DOOR + LATCH: Tempered glass lens is impact and thermal shock resistant. Easily released die-cast aluminum doorframe with stainless steel toolless latch allows easy access for re-lamping. Enclosure latch can be secured with a single point stainless steel screw, provided, or with optional vandal resistant head. **HOUSING:** Die-cast aluminum housing is finished in weather and abrasion resistant dark bronze polyester powder paint. Optional colors are available. **GASKET:** Full-circumference

silicone gasket seals out external contaminants.

Electrical

SOCKET: Pulse rated, 4KV, medium-base porcelain lamp socket standard for HID. Electronic compact 4-pin fluorescent sockets standard for CF lamp options.

Optical

REFLECTOR: Formed aluminum hammered reflector optimized beam efficiency and control.

Mounting

Adjustable ANSI 1G rated stem mounting arm fits 1/2" NPS outlet box cover. (RBC round outlet box cover not included, order separately). Optional heavy-gauge steel adjustable trunnion mounting provides additional durability when required.



**SF
FALCON**

35 - 150W

Pulse Start Metal Halide

Metal Halide

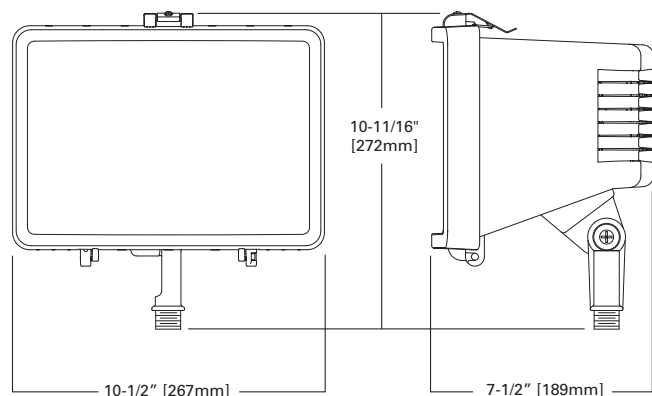
High Pressure Sodium

26 - 70W

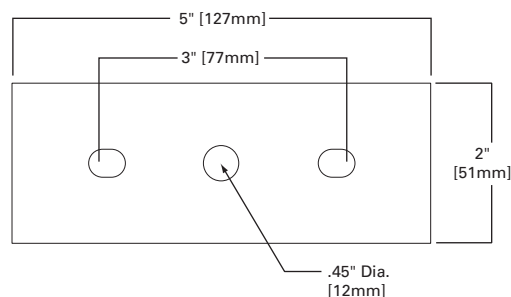
Compact Fluorescent

LOW WATTAGE FLOODLIGHT

DIMENSIONS



TRUNNION-MOUNT DRILLING DIMENSIONS



LAMP TYPE	WATTAGE
Pulse Start Metal Halide (MP)	150W
Metal Halide (MH)	50, 70, 100, 175W
High Pressure Sodium (HP)	35, 50, 70, 100, 150W
Compact Fluorescent (CF)	(1) 26, (1) 32, (1) 42, (2) 26, (1) 57, (1) 60 (2) 32, (1) 70W

TECHNICAL DATA

U.L. Wet Location Listed
25°C Maximum Ambient Temperature
External Supply Wiring 60°C Minimum

ENERGY DATA

Reactor Ballast Input Watts

35W HPS NPF (46 Watts)
50W HPS NPF (58 Watts)
70W HPS NPF (82 Watts)
100W HPS NPF (115 Watts)
150W HPS NPF (175 Watts)

High Reactance Ballast Input Watts

50W HPS HPF (66 Watts)
50W MP HPF (72 Watts)
70W HPS HPF (95 Watts)
70W MP HPF (90 Watts)
100W HPS HPF (130 Watts)
100W MP HPF (129 Watts)
150W HPS HPF (190 Watts)
150W MP HPF (185 Watts)

CWA Ballast Input Watts

175W MH HPF (210 Watts)

Electronic Ballast Input Watts

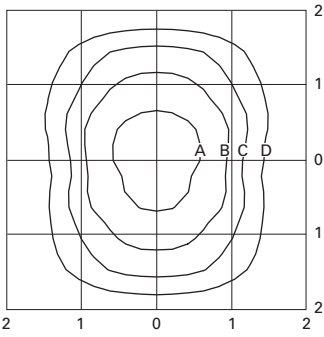
26W CF HPF (29 Watts)
32W CF HPF (36 Watts)
42W CF HPF (46 Watts)
52W CF HPF (54 Watts)
57W CF HPF (59 Watts)
60W CF HPF (70 Watts)
64W CF HPF (68 Watts)
70W CF HPF (75 Watts)

SHIPPING DATA

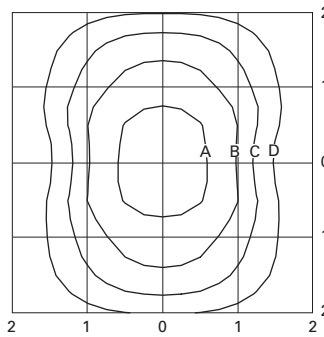
Approximate Net Weight:
18 lbs. (8 kgs.)



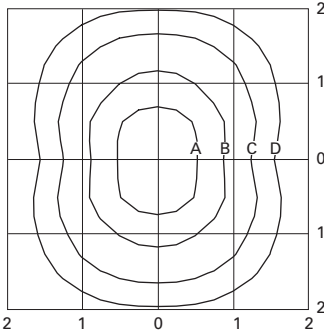
PHOTOMETRICS



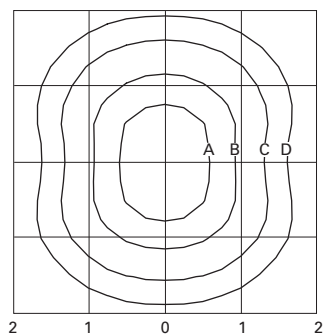
MPSF-X-150
150—Watt MP
14,000—Lumen Clear Lamp



HPSF-X-150
150—Watt HP
16,000—Lumen Clear Lamp



CFSF-X-42
42—Watt CF (42W Triple Tube)
3,200—Lumen Lamp



CFSF-X-60
60—Watt CF (60W Triple Tube)
4,000—Lumen Lamp

Footcandle Table

Select mounting height and read across for footcandle values of each isofootcandle line. Distance in units of mounting height.

Mounting Height	Footcandle Values for Isofootcandle Lines			
	A	B	C	D
MPSF-X-150 / HPSF-X-150				
10'	20.00	8.00	4.00	2.00
15'	9.00	3.60	1.80	0.90
20'	5.00	2.00	1.00	0.50

Vertical Aiming=0°

Footcandle Table

Select mounting height and read across for footcandle values of each isofootcandle line. Distance in units of mounting height.

Mounting Height	Footcandle Values for Isofootcandle Lines			
	A	B	C	D
CFSF-X-42 / CFSF-X-60				
10'	4.00	2.00	0.80	0.40
15'	1.80	0.90	0.36	0.18
20'	1.00	0.50	0.20	0.10

Vertical Aiming=0°

ORDERING INFORMATION

Sample Number: MPSF-T-70H-120V



Lamp Type

MP=Pulse Start Metal Halide
MH=Metal Halide¹
HP=High Pressure Sodium
CF= Compact Fluorescent

Series

SF: Falcon

Mounting

T=Trunnion
K=Knuckle

Lamp Wattage ¹

MP
50=50W
70=70W
100=100W
150= 150W²
MH
175: 175W¹
HP
35: 35W^{3, 4}
50: 50W
70: 70W
100: 100W
150: 150W
CF
26: (1) 26W
32: (1) 32W
42: (1) 42W
52: (2) 26W
57: (1) 57W
60=(1) 60W
64=(2) 32W
70=(1) 70W

Ballast

H=High Power Factor²
_=Normal Power Factor

Voltage ⁵

120V: 120V⁶
208V: 208V⁷
240V: 240V⁷
277V: 277V
347V: 347V⁸
480V: 480V
DT: Dual-Tap
MT: Multi-Tap, wired 277V
TT: Triple-Tap, wired⁸ 347V
E: Electronic (120-277V)⁹

Options

LL=Lamp Included (Must Specify Wattage with Fluorescent)
TR=Tamper Resistant Screws
PE: Internal Photocontrol (Specify Voltage)
PC: Button Type Photocontrol
F: Single Fuse (120, 277 or¹⁰ 347V. Specify Voltage)
FF: Double Fuse (208, 240 or¹⁰ 480V. Specify Voltage)

Accessories ¹¹

TYS-XX=Trunnion or Yoke Slipfitter for 2 3/8", 3", or 3 1/2" O.D. Tenon
FAS-XX=2" Slipfitter for Trunnion Fixture
RAB-XX=Right Angle Pipe Bracket for Slipfitter
SAB-XX= Steel Angle Bracket for Trunnion
PE/MT: Field Installed Photocontrol
RBC-XX: Round Outlet Box Cover
SFVS= Vandal Shield
TRSD-6/32: Tamper-Resistant Screwdriver
SF/TR: Tamper-Resistant Screw
SFV-XX= Visor
SPK: Landscape Post (Standard Color Dark Grey)

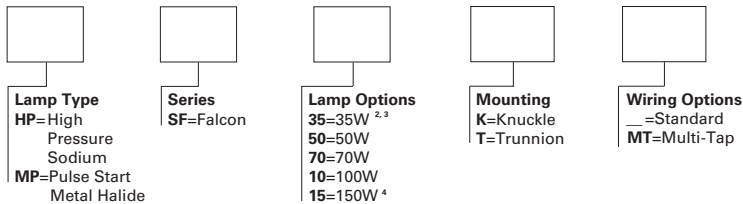
- Notes:**
- All HID lamps are medium base. 175W MH is available for non U.S. markets only.
 - 150W Pulse Start Metal Halide available in High Power Factor Ballast only. High Power Factor Ballast is required on all MP and MH and CF products.
 - High Pressure Sodium only.
 - 120V Only.
 - Products also available in non-US voltages and 50HZ for international markets.
 - Reactor ballasts used for HP lamps when specified.
 - Not available in Canada.
 - Canada only.
 - Compact Fluorescent lamps only. In cold temperatures, compact fluorescent lamps produce lower illumination levels.
 - 100W Metal Halide maximum.
 - Order separately, replace XX with color designation.

VOLTAGE CHART

DT=Dual-Tap	120/277 (wired 277V)
MT=Multi-Tap	120/208/240/277 (wired 277V)
TT=Triple-Tap	120/277/347 (wired 347V)
E=Electronic Ballast (CF only)	120-277V (wired 277V) (50/60 HZ)

STOCK SAMPLE NUMBER (LAMP INCLUDED): HIGH PRESSURE SODIUM AND PULSE START METAL HALIDE

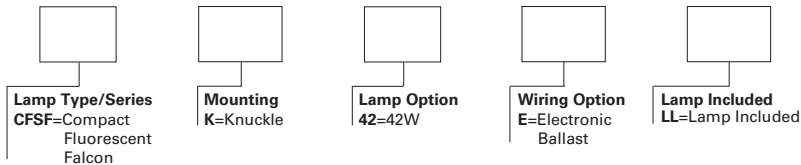
SAMPLE NUMBER: MPSF10K-MT



Note:
Refer to In-Stock Guide for availability.

STOCK SAMPLE NUMBER (LAMP INCLUDED): COMPACT FLUORESCENT

SAMPLE NUMBER: CFSF-K-42-E-LL



NOTES [stock]: Options not available with stock products. Order Accessories as separate items for field installation. Refer to standard ordering information to add options and accessories. Refer to In-Stock Guide for availability.