PERFORMANCE FLEXIBILITY

Built strong for tough, low mount environments

ACCESSORIES [ORDER SEPARATELY]

TOP VISOR [SF/V-XX]
Easy to install top visor accessory provides additional cutoff and glare control.

VANDAL SHIELD [SF/VS]
Easy to install polycarbonate vandal shield lens provides durable protection against projected objects.

WIRE GUARD [SF/WG]
Easy to install wire guard features a heavy-gauge welded construction with corrosion resistant polyester powder coat finish. Protects glass from projected objects.

TAMPER-RESISTANT SCREW [SF/TR]
Easy to install stainless steel tamper resistant screw secures toolless latch and discourages entry into the unit from vandals.

FLOODLIGHTING

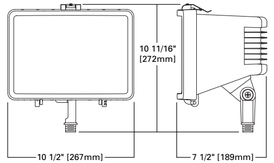
SF FALCON

LOW WATTAGE FLOODLIGHT

35-175W MH/HPS
26-70W PL

LUMARK®

THE FALCON



APPLICATION
The Falcon floodlight can be wall, pole, or ground mounted making it ideal for all commercial, industrial, and residential low wattage floodlighting applications.

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.

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

REFLECTOR
Formed aluminum hammered reflector optimizes 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.

SHIPPING DATA
Approximate Net Weight:
17 lbs. (8 kgs.)

ORDERING INFORMATION

SAMPLE NUMBER: MHSF-T-100-240V-FF-TR-PE-GN-LL

LAMP TYPE
MH=Metal Halide
HP=High Pressure Sodium
PL=Compact Fluorescent

FIXTURE TYPE
SF=Falcon

MOUNTING
K=Knuckle
T=Trunnion

LAMP WATTAGE
HID [1]
35=35W [2,3]
50=50W
70=70W
100=100W
150=150W [2]
175=175W [4]
Compact Fluorescent
26/32/42=26, 32, or 42W
26=26W
32=32W
42=42W
52=(2) 26W
57=57W
60=60W
64=(2) 32W
70=70W

POWER FACTOR
__=Normal
H=High Power Factor

VOLTAGE [5]
120V
208V [6]
240V [6]
277V
347V
480V
DT=Dual-Tap (120/277V)
MT=Multi-Tap (120/ 208/240/277V)
TT=Triple-Tap (120/277/347V) [7]
E=Electronic Ballast (50/60Hz) [8]

OPTIONS + ACCESSORIES [9]
(See Below)

OPTIONS + ACCESSORIES

OPTIONS (add as suffix) [9]
F=Single Fuse (120, 277 or 347V. Specify Voltage) [10]
FF=Double Fuse(208, 240 or 480V. Specify Voltage) [10]
TR=Tamper-Resistant Entry Hardware
PE=Factory-Installed Internal Photocontrol (Specify Voltage)
BZ=Bronze
WH=White
BK=Black
GN=Green
AP=Grey
LL=Lamp Included (Must Specify Wattage with Fluorescent)

ACCESSORIES (order separately)
PE/MT=Field-Installed Photocontrol
TRSD-6/32=Tamper-Resistant Screwdriver
SF/TR=Tamper-Resistant Screw
NKS-XX=2/3" O.D. Slipfitter for Knuckle Mount (Must Specify Color)
SF/V-XX=Top Visor (Specify Color. BZ Standard)
SF/VS=Vandal Shield
SF/WG=Wire Guard

RBC-XX=Round Outlet Box Cover (Specify Color)
FAS-XX=2" Slipfitter for Trunnion Fixture (Specify Color. BZ Standard)
RAB-XX=Right Angle Pipe Bracket for Slipfitters (Specify Color. BZ Standard)
SAB-XX=Steel Angle Bracket for Trunnion (Specify Color. BZ Standard)
SPK=Landscape Post (Standard Color Dary Grey)

STOCK SAMPLE NUMBER (Lamp Included): MHSF10K-MT

LAMP TYPE
HP=High Pressure Sodium
MH=Metal Halide

SERIES
SF=Falcon

LAMP WATTAGE [11]
35=35W [2,3]
50=50W
70=70W
10=100W
15=150W [2]
17=175W [4]

MOUNTING
K=Knuckle
T=Trunnion

WIRING OPTIONS
__=Standard
MT=Multi-Tap
TT=Triple-Tap [7]

LAMP TYPE	WATTAGE
Metal Halide	70, 100 & 175W
High Pressure Sodium	35, 70, 100 & 150W
Compact Fluorescent	26, 32, 42, 52, 57, 60, 64 & 70W

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.

NOTES: **1** Medium-base only. **2** HPS only. **3** 120V only. **4** MH with HPF CWA ballast only. **5** Products also available in non-US voltages and 50Hz for international markets. Consult factory for availability and ordering information. **6** Not available in Canada. **7** Canada only. **8** Compact fluorescent only. **9** Must be specified in order as shown and separated by a dash. **10** 100W MH maximum. **11** Consult Lumark Stock Guide for available wattages.

COOPER Lighting

Visit our web site at www.cooperlighting.com
Customer First Center 1121 Highway 74 South Peachtree City, GA 30269 770.486.4800 FAX 770.486.4801 **ADHD42543**

LUMARK®

FALCON FLOODLIGHT

Low Wattage Floodlight

COOPER Lighting

FALCON FLOODLIGHT

Low Wattage Floodlight

HIGH OUTPUT + SMALL PACKAGE

Powerful illumination in a small package defines the Falcon floodlight series. Ideal for illuminating signs, walkways or highlighting architecture, the Falcon bridges high efficiencies and rugged construction making it ideal for any general purpose floodlighting application.

OPTICAL FLEXIBILITY

Offered in HID and Compact Fluorescent lamp sources, the Falcon is available in wattages up to 175W MH, 150W HPS H.I.D. and 26-42W, twin 26-32W Compact Fluorescent and now 60W PLH Compact Fluorescent. Leveraging the instant restrike advantages of fluorescent with the high output, cold weather capabilities of HID sources, PLH lamp technology offers -20°C cold weather starting and a 20,000 hour lamp life.

BUILT TOUGH

Built strong for tough, low mount environments, the Falcon knuckle and fixture assembly is vibration rated to 1G in three (3) unique planes and is offered with optional vandal shields and wire guards for additional protection against man made and environmental hazards. For additional strength in mounting, a rugged trunnion mounting option is available.

THE FALCON™

[Trunnion-Mount]

[Knuckle-Mount]

LAMP TECHNOLOGY
PLH lamp technology offers -20°F cold weather starting and a 20,000 hour lamp life.

Specification Features

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.

SOCKET

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

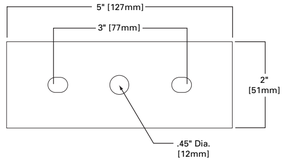
REFLECTOR

Formed aluminum hammered reflector optimizes beam efficiency and control.

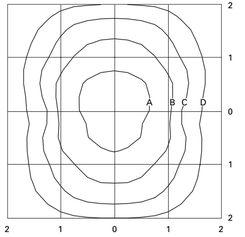
MOUNTING

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.

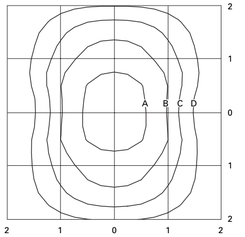
TRUNNION-MOUNT DRILLING DIMENSIONS



PHOTOMETRICS



MHSF17K
175-Watt MH
14,000-Lumen Clear Lamp



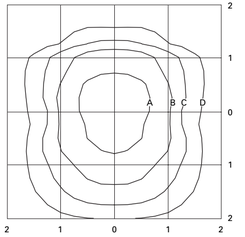
HPSF15K
150-Watt HPS
16,000-Lumen Clear Lamp

FOOTCANDLE TABLE [MH+HPS]

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

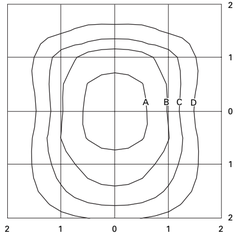
Mounting Height	Footcandle Values for Isofootcandle Lines			
	A	B	C	D
10'	20.00	8.00	4.00	2.00
15'	9.00	3.60	1.80	0.90
20'	5.00	2.00	1.00	0.50

VERTICAL AIMING=0°



MHSF17K-V
175-Watt MH
14,000-Lumen Clear Lamp

With Optional Top Visor "SF/V-XX" Installed.



HPSF15K-V
150-Watt HPS
16,000-Lumen Clear Lamp

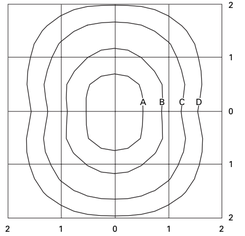
With Optional Top Visor "SF/V-XX" Installed.

FOOTCANDLE TABLE [MH+HPS]

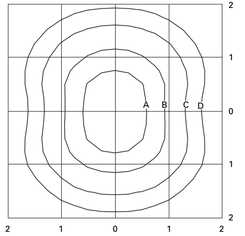
Select mounting height and read across for footcandle values of each isofootcandle line. Distance in units of mounting height.

Mounting Height	Footcandle Values for Isofootcandle Lines			
	A	B	C	D
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°



PLSF42K
42-Watt PLH (42W Triple Tube)
3,200-Lumen Clear Lamp



PLSF60K
60-Watt PLH (60W Triple Tube)
4,000-Lumen Clear Lamp

FOOTCANDLE TABLE [PL]

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
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°