



Class I, Div. 2 Groups A,B,C,D®
Class I, Zone 2, Groups IIC,IIB,IIA (nRⓈ)

Suitable for wet locations

NEMA 4X, IP66

ABS Type Approval



Type approval for shipboard useⓈ

FEATURES-SPECIFICATIONS

Applications

KF series floodlights can be used in industrial installations where flammable gases or vapors may exist due to abnormal conditions resulting in the creation of a Class I, Div. 2 hazardous location as defined by the NEC. Also can be used where general corrosive atmospheric conditions exist such as ocean piers, marinas and costal areas.

Designed for heavy duty applications where long life and maintenance-free service are essential.

Features

- Rugged weathertight housing of copper-free aluminum with corrosion resistant bronze finish
- Wide beam distribution
- Thermal shock, impact-resistant lens
- Continuous silicone gasketing
- All external hardware is corrosion resistant including HubbellGard® ceramic coated screws
- Trunnion mounting-heavy gauge, hot dip galvanized steel mounting with stainless steel hardware
- Photometric data & accessories—see page L191
- 3/4" NPT entry on back lower left

CATALOG LOGIC

| | | | | | |
|----|---|----|---|-----|-------------|
| KF | P | 40 | 0 | -76 | NR F1 P1 AS |
| 1 | 2 | 3 | 4 | 5 | 6 |

1 **KF - Series Constant** (aluminum flood)

Lamp Type

- S = High Pressure Sodium
- H = Metal Halide
- P = Pulse Start Metal Halide

3 Wattage

- 07 = 70 Watt (HPS)
- 10 = 100 Watt (HPS)
- 15 = 150 Watt (MHP, HPS)
- 17 = 175 Watt (MH, MHP)Ⓢ
- 20 = 200 Watt (MHP)
- 25 = 250 Watt (MH, MHP, HPS)Ⓢ
- 32 = 320 Watt (MHP)
- 35 = 350 Watt (MHP)
- 40 = 400 Watt (MH, MHP, HPS)Ⓢ
- 100 = 1000 Watt (MH, HPS)ⓈⓈⓈ

4 Voltage*Ⓢ

- 0 = Quad - 120, 208, 240, 277V - 60Hz
- 5 = 480V
- 6 = Tri - 120, 277, 347V (for Canada only)
- 7 = 220V 60Hz
- 8 = 220/240V 50 Hz

5 - **76 Series Constant** (7 x 6 optic pattern)

6 Options

- NR - Ex nR Restricted Breathing (Ex nR II)
- IR - Instant Restrike 150W HPS**
- BP - 150 - 400 HPS**
- Fuse option 400W max. (not for Marine or CSA)

| | |
|----------------|---------------------|
| F1 single 120V | F5 double 480V |
| F2 double 208V | F6 single 347V |
| F3 double 240V | F7 double 220V |
| F4 single 277V | F8 single 230V 50Hz |
- Photocell option (400W max.)

| | | |
|---------|-------------|---------|
| P1 120V | P1 208-277V | P1 347V |
|---------|-------------|---------|
- Terminal Blocks

| | | |
|------|----------------|------------------|
| TBx | x=1-8 | x = voltage code |
| TBLx | Lx=1-8 looping | x = voltage code |
- Lamps

| |
|------------------------------------|
| AS = Assembled Standard Lamp |
| AD = Assembled Dual-Arc-Tube Lamp; |
| 150, 250, 400HPS only |

Ⓢ Not suitable for submersion or wave impact.

Ⓢ MH175,250,400 are EXPORT ONLY (EISA LAW).

Ⓢ Consult factory for other available voltage/ lamp combinations.

Ⓢ 1000 Watt fixture aiming angle limited to 45°-135° (no straight up or down) 1000 Watt fixtures are rated and listed for 40° ambient.

Ⓢ Use Phillips C1000S52/ED37 11-1/2" lamp for 1000 HPS.

Ⓢ Use 11-1/2" BT37 lamp available from GE, Venture or Phillips (MH).

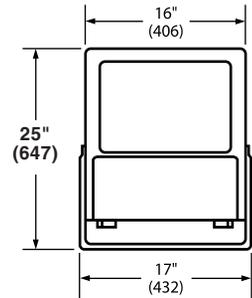
Ⓢ NR suffix Restricted Breathing models provide lower T-codes - Requires sealed entry.

Ⓢ Consult T-code chart for suitability. T-Codes=>306 are suitable for Groups B,C,D only.

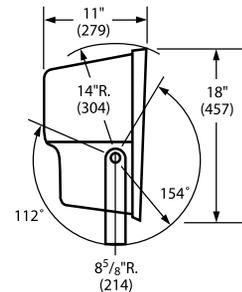
**IR & BP cannot be ordered together.



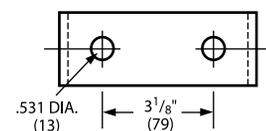
Elevated Ambients to 55°C —
Consult T-Code Chart
for suitability.



Front



Side



Trunnion Mounting Detail





KFS-6



KFCB



KFWB



K4040



4041

ORDERING INFORMATION

| MH, PULSE START ORDERING INFORMATION* | | | |
|---------------------------------------|----------------------|-------------|---------------------|
| CATALOG NUMBER | LAMP AND WATTAGE | VOLTS Ⓞ | BEAM SPREAD H° X V° |
| KFP150-76 KFP155-76 | 150 MHP M-102/142 | QUAD 480 | 7 (145°) X 6 (114°) |
| KFP170-76 KFP175-76 | 175 MH M-137/152 | QUAD 480 | 7 (145°) x 6 (114°) |
| KFP200-76 KFP205-76 | 200 MH M-136 | QUAD 480 | 7 (145°) x 6 (114°) |
| KFP250-76 KFP255-76 | 250 MHP M-138 | QUAD 480 | 7 (145°) x 6 (114°) |
| KFP320-76 KFP325-76 | 320 MHP M-132 | QUAD 480 | 7 (146°) x 6 (119°) |
| KFP350-76 KFP355-76 | 350 MHP M-131 | QUAD 480 | 7 (146°) x 6 (119°) |
| KFP400-76 KFP405-76 | 400 MHP M-135 | QUAD 480 | 7 (146°) x 6 (119°) |

| HPS, MH, START ORDERING INFORMATION* | | | | |
|--------------------------------------|--------------------------|--------------------|---------------------|---------------------|
| CATALOG NUMBER | LAMP AND WATTAGE | VOLTS Ⓞ | BEAM SPREAD H° X V° | |
| KFS070-76 KFS075-76 | 70 HPS M-102/142 | QUAD 480 | 7 (144°) X 6 (113°) | |
| KFS100-76 KFS105-76 | 100 HPS M-137/152 | QUAD 480 | 7 (145°) x 6 (114°) | |
| KFS150-76 KFS155-76 | 150 HPS S-55 | QUAD 480 | 7 (144°) x 6 (113°) | |
| KFS250-76 KFS255-76 | 250 HPS S-50 | QUAD 480 | 7 (144°) x 6 (113°) | |
| KFS400-76 KFS405-76 | 400 HPS S-51 | QUAD 480 | 7 (144°) x 6 (113°) | |
| KFS1000-76 KFS1005-76 | 1000 HPS S-52 ⓄⓄ | QUAD 480 | 7 (130°) x 6 (114°) | |
| EXPORT ONLY | KFH170-76 KFH175-76 | 170 MH M-57 | QUAD 480 | 7 (145°) x 6 (114°) |
| | KFH250-76 KFH255-76 | 250 MH M-58 | QUAD 480 | 7 (145°) x 6 (114°) |
| | KFH400-76 KFH405-76 | 400 MH M-59 | QUAD 480 | 7 (146°) x 6 (119°) |
| | KFH1000-76 KFH1005-76 | 1000 MH M-47 ⓄⓄ | QUAD 480 | 7 (145°) x 6 (114°) |

* Consult T-Code Chart for hazardous location suitability.
 Ⓞ Consult factory for other available voltages.
 Ⓞ 1000 watt fixture aiming angle limited to 45°-135° (no straight up or down) 1000 watt fixtures are rated and listed for 40° ambient.
 Ⓞ Use Philips C1000S52/ED37 11-1/2" lamp.

| KF MOUNTING ACCESSORIESⓄ | |
|--------------------------|--|
| CATALOG NUMBER | DESCRIPTION |
| KFS-6 | Steel slipfitter for 2" pipe (2-3/8" o.d.) tenon. Slips 3.75" over pipe. |
| KFCB | Heavy duty cast-iron crossarm fitting for horizontal trunnion |
| KFWB | Heavy duty wall mount and/or pipe clamp fitting Clamps 2" pipe (2-3/8" o.d.) thru 2-1/2" pipe (2-7/8" o.d.) |
| K4040 | Heavy duty steel wall bracket. (Must use with KFCB crossarm fitting) |
| 4041 | Heavy duty steel wall bracket 2" pipe (2-3/8" o.d.) tenon fitting |
| KF-Door | Replacement Door & Lens assembly |

Ⓞ Fittings available to adapt trunnion mount floodlights to crossarms, poles and walls. Must be ordered separately.