



**Class I, Div. 2 Groups A,B,C,D<sup>①②</sup>  
Class I, Zone 2, Groups IIC, IIB, IIA**

Listed - File E12976/E106427  
Marine



**ABS** Type approval for shipboard use<sup>⑤</sup>

Suitable for wet locations

### 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

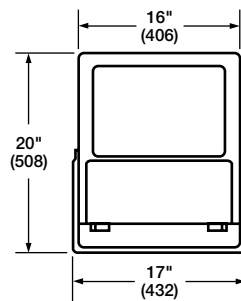
- Rugged weathertight housing of copper-free aluminum with corrosion resistant bronze finish
- Wide beam distribution
- Thermal shock, impact-resistant lens
- Continuous silicone gasketing
- All external hardware is stainless steel
- Trunnion mounting-heavy gauge, hot dip galvanized steel mounting with stainless steel hardware
- Photometric data & accessories—see page L123

KF HID FLOODLIGHTS			
CATALOG NUMBER	LAMP AND WATTAGE	** VOLTS	BEAM SPREAD H° X V°
KFS150-76	150 HPS	QUAD	7 (144°) X 6 (113°)
KFS155-76		480	
KFS250-76	250 HPS	QUAD	7 (144°) X 6 (113°)
KFS255-76		480	
KFS400-76	400 HPS	QUAD	7 (144°) X 6 (113°)
KFS405-76		480	
KFS1000-76	1000 HPS	QUAD	7 (144°) X 6 (113°)
KFS1005-76		②③	
KFH250-76	250 MH*	QUAD	7 (145°) X 6 (115°)
KFH255-76		480	
KFH400-76	400 MH*	QUAD	7 (146°) X 6 (119°)
KFH405-76		480	
KFH1000-76	1000 MH	QUAD	7 (144°) X 6 (113°)
KFH1005-76		②④	
K800-2918-0135		Replacement Lens and Door Assembly	

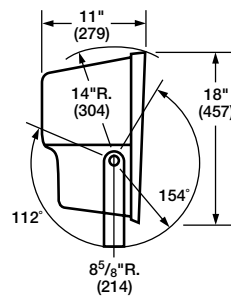
- \* Mercury lamps may be used if desired.  
Lamps not included.
- \*\* Consult factory for other available voltages.
- ③ Use Phillips C1000S52/ED37 11-1/2" lamp.
- ④ Use 11-1/2" BT37 lamp available from GE, Venture or Phillips.
- ⑤ Not suitable for submersion or wave impact applications.

TEMPERATURE DATA		
LAMP AND WATTAGE	CLASS I, DIV. 2 <sup>①②</sup> MAX. LAMP TEMP. RATING °C	TEMP. CODE
<b>HIGH PRESSURE SODIUM</b>		
150	260	T2B
250	325	T1
400	350	T1
1000 <sup>②</sup>	378	T1
<b>METAL HALIDE</b>		
250	325	T1
400	325	T1
1000 <sup>②</sup>	442	T1
<b>MERCURY</b>		
250	350	T1
400	350	T1

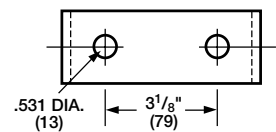
- ①150-400 watt lamp temperature data was obtained in 40°C ambient. UL listed for 25°C ambient operation.
- ②1000 watt fixture aiming angle limited to 45°-135° (no straight up or down). 1000 watt fixtures are rated and listed for 40° ambient.



Front



Side



Trunnion Mounting Detail



**KFS-6**



**KFS-67**



**KFCB**



**KFWB**



**K4040**



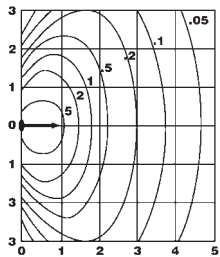
**4041**

**FEATURES-SPECIFICATIONS**

<b>KF MOUNTING ACCESSORIES<sup>①</sup></b>	
<b>CATALOG NUMBER</b>	<b>DESCRIPTION</b>
<b>KFS-6</b>	Steel slipfitter for 2" pipe (2-3/8" o.d.) tenon
<b>KFS-67</b>	Heavy duty cast aluminum slipfitter for 2" pipe (2-3/8" o.d.) and 2-1/2" pipe (2-7/8" o.d.) tenon
<b>KFCB</b>	Heavy duty cast-iron crossarm fitting for horizontal trunnion
<b>KFWB</b>	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.)
<b>K4040</b>	Heavy duty steel wall/pole bracket. (Must use with <b>KFCB</b> crossarm fitting)
<b>4041</b>	Heavy duty steel wall/pole bracket 2" pipe (2-3/8" o.d.) tenon fitting

<sup>①</sup> Fittings available to adapt trunnion mount floodlights to crossarms, poles and walls. Must be ordered separately.

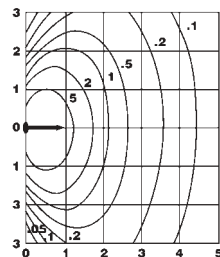
**KF SERIES**



**KFH-XXX-76**

IES Type—7H x 6V (146° x 119°)  
Source—Metal Halide (Clear) 34000 Lumens  
Wattage—400 (ANSI M59)  
For 250W MH multiply by .6  
For 1000W MH multiply by 3.1  
Mounting Height (Grid Value)—25 feet  
Aiming Angle—45°  
Test Number—HP-00738

<b>CONVERSION CHART</b>					
<b>MOUNTING HEIGHT (FEET)</b>	20	25	28	30	35
<b>CORRECTION FACTOR</b>	1.56	1.00	.80	.69	.51



**KFS-XXX-76**

IES Type—7H x 6V (144° x 117°)  
Source—High Pressure Sodium (Clear) 50000 Lumens  
Wattage—400 (ANSI S51)  
For 150W HPS multiply by .32  
For 250W HPS multiply by .6  
For 1000W HPS multiply by 2.5  
Mounting Height (Grid Value)—25 feet  
Aiming Angle—45°  
Test Number—HP-00740

<b>CONVERSION CHART</b>					
<b>MOUNTING HEIGHT (FEET)</b>	23	25	30	35	40
<b>CORRECTION FACTOR</b>	1.18	1.00	.69	.51	.39

<sup>①</sup> In converting to a different mounting height, multiply all footcandle values by the correction factor and convert the grid size to the mounting height selected. Example: to convert 25 foot to 30 foot mounting height, multiply all footcandle values by .69. (Grid now becomes 30 replacing 25). To convert footcandles to Lux, multiply values by 10.76. To convert feet to meters, divide values by 3.281.

