

SAFJ Series

Hazardous location
medium base HID

RIG-A-LITE™
An Avail Infrastructure Solutions Company



Classifications

- Class I, Division 2, Groups A, B, C, & D
- Class II, Division 1 & 2, Groups E & F
- Class III
- Simultaneous Presence
- Enclosed & Gasketed
- Wet Locations
- NEMA 3R, 4X
- IP66
- UL 1598A Marine Outside Type
- UL 844 Hazardous Locations
- CUL
- ABS Type Approved
- Buy American Act (BAA) Compliant



availinfra.com/rig-a-lite

8500 Hansen Road,
Houston, TX 77075
(713) 943-0340

SAFJ Series

Hazardous location medium base HID

Key Features

- 1 Ballast housing and outlet boxes are high strength, corrosion resistant copper-free cast aluminum alloy
- 2 Compact size
- 3 Heat resistant tempered prismatic clear glass globe with internal vertical ribs and smooth outer finish
- 4 Corrosion resistant stainless steel wire guard
- 5 Superior heat resistant silicone gaskets



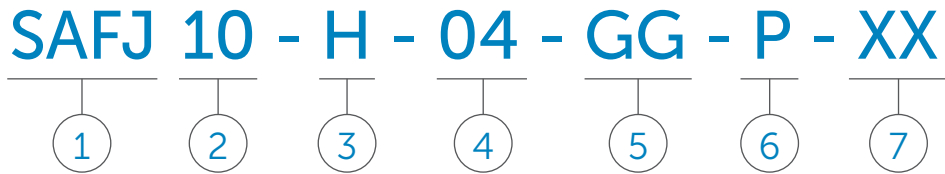
Additional Features

- Exterior surfaces are covered with corrosion and chemical resistant baked-on epoxy finish
- External hardware is stainless steel, stainless steel inserts are available as an option
- Optional external dome or angle reflectors are corrosion, impact and heat resistant molded polycarbonate

SAFJ Series

Hazardous location medium base HID

Catalog Number Logic



1

BASIC SERIES¹

SAFJ Medium Base HID
Class I, Division 2, Groups A, B, C, & D
Class II, Division 1 & 2, Groups E & F
Class III
Simultaneous Presence
Enclosed & Gasketed
Wet Locations
UL 1598A Marine Outside Type
UL 844 Hazardous Locations
NEMA 3R,4X
IP66
CUL
ABS Type Approved

2

LAMP CURRENT/LAMP WATTAGE

03 = 35 Watt
05 = 50 Watt
07 = 70 Watt
10 = 100 Watt

3

LAMP TYPE (MEDIUM BASE)

S = High Pressure Sodium
(35, 50, 70, & 100 Watt)
H = Metal Halide
(50, 70 & 100 Watt)

4

BALLAST VOLTAGE

04 = Multi-tap (120, 208, 220, 240 & 277V)
12 = 120V 60 HZ
20 = 208V 60 HZ
22 = 220/240V 50 HZ
24 = 240V 60 HZ
27 = 277V 60 HZ
34 = 347V 60 HZ
48 = 480V 60 HZ
(Available in 70 & 100W HPS and 100 W MH)

5

GLOBE & GUARD

GG = Globe & Guard
G = Globe only

6

MOUNTING STYLE

P = ¾" Pendant Mount
P1 = 1" Pendant Mount
C = ¾" Ceiling Mount
C1 = 1" Ceiling Mount
W = ¾" Wall Mount
W1 = 1" Wall Mount
S = 1-¼" 25° Stanchion Mount
S1 = 1-½" 25° Stanchion Mount
L = 1-¼" 90° Stanchion Mount
L1 = 1-½" 90° Stanchion Mount

7

OPTIONS²

SS = Stainless Steel Inserts
FB1 = Single Fuse Block^{3,4}
FB2 = Double Fuse Block^{3,4}
TB = Terminal block
R = Instant Restrike (HPS Only)

¹ Refer to Certification Guide to determine suitability of individual fixture.

² Consult factory for pricing.

³ Not available with Multi-tap ballast unless incoming voltage is specified. When installed, one fuse block is provided for 120 & 277V and two fuse blocks are provided for 208, 220, 240, 347 and 480V. Fuse not provided.

⁴ FB option not available for marine listed fixtures.

Catalog logic is for explaining catalog number structure only. Not all combinations are possible; consult factory for catalog numbers not listed in charts.

SAFJ Series

Hazardous location medium base HID

Certification Guide

Model	Ambient Temperature °C	Lamp		Class I, Division 2 Groups A, B, C, D (When Used With)		Class II, Division 1 Class III (When Used With)		
		Type	Watts	Globe	Globe w/ Reflector	Groups	Globe	Globe w/ Reflector
SAFJ03S	40	HPS	35	T2D	T2D	E,F	T3A	T3A
SAFJ03S	55	HPS	35	T2C	T2C	E,F	T3A	T3A
SAFJ03S	65	HPS	35	T2B	T2B	E,F	T3A	T3A
SAFJ05S	40	HPS	50	T2D	T2D	E,F	T3A	T3A
SAFJ05S	55	HPS	50	T2C	T2C	E,F	T3A	T3A
SAFJ05S	65	HPS	50	T2B	T2B	E,F	T3A	T3A
SAFJ07S	40	HPS	70	T2A	T2A	E,F	T3A	T3A
SAFJ07S	55	HPS	70	T2	T2	E,F	T3A	T3A
SAFJ10S	40	HPS	100	T2A	T2A	E,F	T3A	T3A
SAFJ10S	55	HPS	100	T2	T2	E,F	T3A	T3A
SAFJ05H	40	MH	50	T2D	T2D	E,F	T3A	T3A
SAFJ05H	55	MH	50	T2C	T2C	E,F	T3A	T3A
SAFJ05H	65	MH	50	T2B	T2B	E,F	T3A	T3A
SAFJ07H	40	MH	70	T2B	T2B	E,F	T3A	T3A
SAFJ07H	55	MH	70	T2A	T2A	E,F	T3A	T3A
SAFJ10H	40	MH	100	T2	T2	E,F	T3A	T3A

SAFJ10-H-04-XX

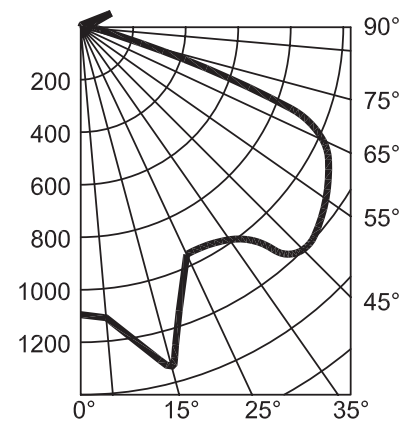
Coefficients of Utilization

% Effective Ceiling Cavity Reflectance rcc	80			50			10		
	50	30	10	50	30	10	50	30	10
% Wall Reflectance rw									
Room Cavity Ratio RCR	Effective Floor Cavity Reflectance 20%								
0	.66	.66	.66	.60	.60	.60	.55	.55	.55
1	.57	.54	.52	.52	.51	.49	.47	.46	.45
2	.49	.45	.41	.45	.42	.39	.41	.39	.37
3	.42	.37	.33	.39	.35	.32	.35	.32	.30
4	.36	.31	.27	.34	.30	.26	.31	.28	.25
5	.32	.27	.23	.30	.25	.22	.27	.24	.21
6	.28	.23	.19	.27	.22	.19	.24	.21	.18
7	.26	.20	.17	.24	.19	.16	.22	.18	.16
8	.23	.18	.15	.22	.17	.14	.20	.16	.14
9	.21	.16	.13	.20	.16	.13	.18	.15	.12
10	.19	.15	.12	.18	.14	.11	.17	.13	.11

Candlepower Distribution

Deg.	Parl.
5	1111
15	1341
25	955
35	988
45	1198
55	1140
65	1018
75	238
85	63
90	24

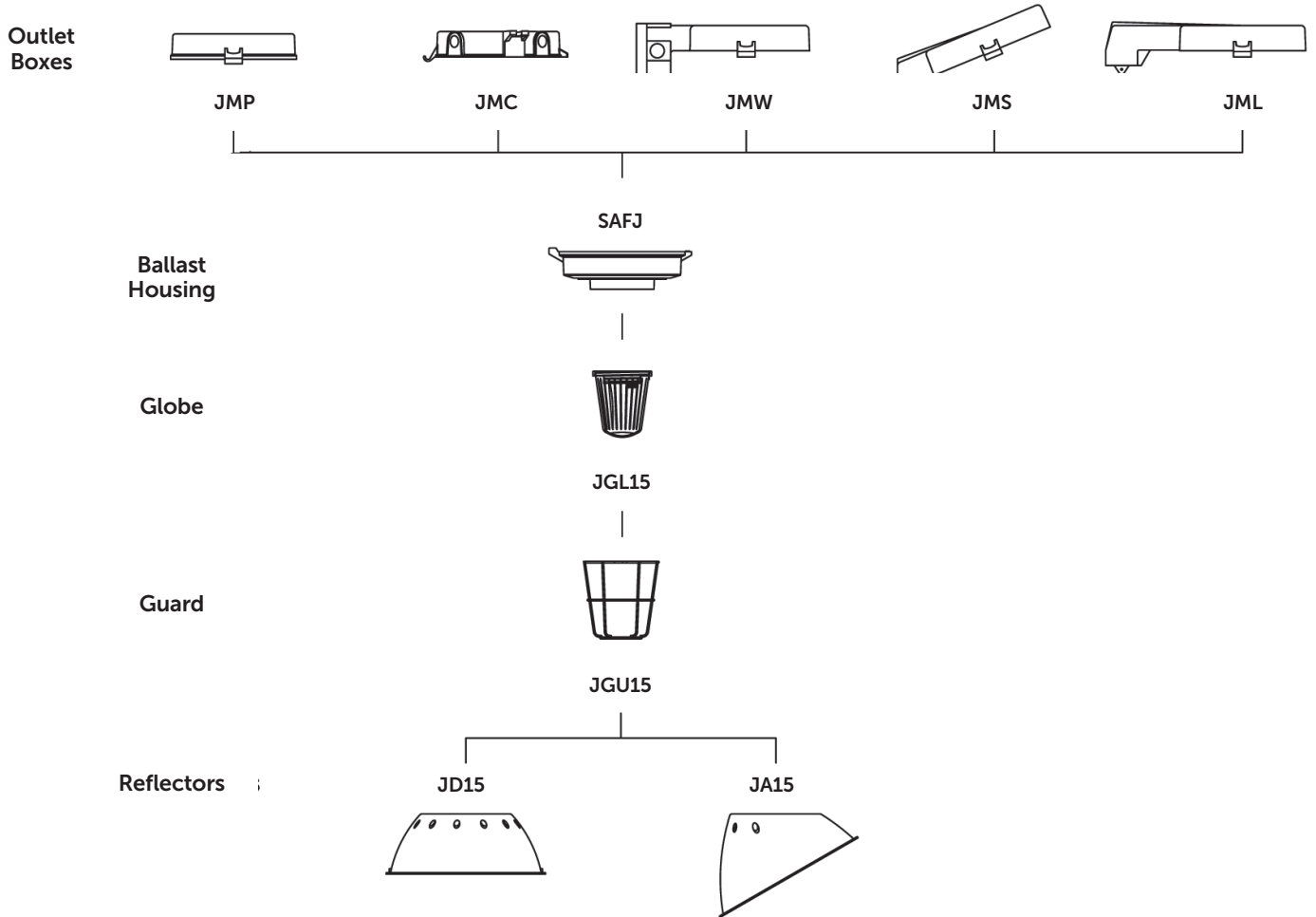
Photometric Data



SAFJ Series

Hazardous location medium base HID

Configurations






SAFJ Series

Hazardous location medium base HID

High Pressure Sodium with Globe and Guard 35-100 Watts

(Lamps not included)

Mounting Style	Lamp Watts ①	Conduit Size (in.)	Catalog Number 120/208/240/277V ②	Shipping Weight (lbs.)	Consists Of			
					Ballast Housing ②	Outlet Box	Globe	Guard
Rigid Pendant 	35	3/4	SAFJ03-S-04-GG-P	12	SAFJ03S04	JMP	JGL15	JGU15
	35	1	SAFJ03-S-04-GG-P1	12	SAFJ03S04	JMP1	JGL15	JGU15
	50	3/4	SAFJ05-S-04-GG-P	13	SAFJ05S04	JMP	JGL15	JGU15
	50	1	SAFJ05-S-04-GG-P1	13	SAFJ05S04	JMP1	JGL15	JGU15
	70	3/4	SAFJ07-S-04-GG-P	14	SAFJ07S04	JMP	JGL15	JGU15
	70	1	SAFJ07-S-04-GG-P1	14	SAFJ07S04	JMP1	JGL15	JGU15
	100	3/4	SAFJ10-S-04-GG-P	16	SAFJ10S04	JMP	JGL15	JGU15
	100	1	SAFJ10-S-04-GG-P1	16	SAFJ10S04	JMP1	JGL15	JGU15
Ceiling Mount 	35	3/4	SAFJ03-S-04-GG-C	12.5	SAFJ03S04	JMC	JGL15	JGU15
	35	1	SAFJ03-S-04-GG-C1	12.5	SAFJ03S04	JMC1	JGL15	JGU15
	50	3/4	SAFJ05-S-04-GG-C	13.5	SAFJ05S04	JMC	JGL15	JGU15
	50	1	SAFJ05-S-04-GG-C1	13.5	SAFJ05S04	JMC1	JGL15	JGU15
	70	3/4	SAFJ07-S-04-GG-C	14.5	SAFJ07S04	JMC	JGL15	JGU15
	70	1	SAFJ07-S-04-GG-C1	14.5	SAFJ07S04	JMC1	JGL15	JGU15
	100	3/4	SAFJ10-S-04-GG-C	16.5	SAFJ10S04	JMC	JGL15	JGU15
	100	1	SAFJ10-S-04-GG-C1	16.5	SAFJ10S04	JMC1	JGL15	JGU15
Wall Mount 	35	3/4	SAFJ03-S-04-GG-W	15	SAFJ03S04	JMW	JGL15	JGU15
	35	1	SAFJ03-S-04-GG-W1	15	SAFJ03S04	JMW1	JGL15	JGU15
	50	3/4	SAFJ05-S-04-GG-W	16	SAFJ05S04	JMW	JGL15	JGU15
	50	1	SAFJ05-S-04-GG-W1	16	SAFJ05S04	JMW1	JGL15	JGU15
	70	3/4	SAFJ07-S-04-GG-W	17	SAFJ07S04	JMW	JGL15	JGU15
	70	1	SAFJ07-S-04-GG-W1	17	SAFJ07S04	JMW1	JGL15	JGU15
	100	3/4	SAFJ10-S-04-GG-W	18	SAFJ10S04	JMW	JGL15	JGU15
	100	1	SAFJ10-S-04-GG-W1	18	SAFJ10S04	JMW1	JGL15	JGU15

① All fixtures are designed for Mogul Base lamps, with the lamp mounted in base-up position.

② Fixtures and housings are with Multi-Tap ballast. For other ballast voltages, refer to Catalog Number Logic page.



Refer to Certification Guide to determine suitability of individual fixture.

SAFJ Series

Hazardous location medium base HID

High Pressure Sodium with Globe and Guard 35-100 Watts (continued)

(Lamps not included)

Mounting Style	Lamp Watts ①	Conduit Size (in.)	Catalog Number 120/208/240/277V ②	Shipping Weight (lbs.)	Consists Of			
					Ballast Housing ②	Outlet Box	Globe	Guard
25° Stanchion Mount 	35	1-1/4	SAFJ03-S-04-GG-S	14	SAFJ03S04	JMS	JGL15	JGU15
	35	1-1/2	SAFJ03-S-04-GG-S1	14	SAFJ03S04	JMS1	JGL15	JGU15
	50	1-1/4	SAFJ05-S-04-GG-S	15	SAFJ05S04	JMS	JGL15	JGU15
	50	1-1/2	SAFJ05-S-04-GG-S1	15	SAFJ05S04	JMS1	JGL15	JGU15
	70	1-1/4	SAFJ07-S-04-GG-S	16	SAFJ07S04	JMS	JGL15	JGU15
	70	1-1/2	SAFJ07-S-04-GG-S1	16	SAFJ07S04	JMS1	JGL15	JGU15
	100	1-1/4	SAFJ10-S-04-GG-S	18	SAFJ10S04	JMS	JGL15	JGU15
	100	1-1/2	SAFJ10-S-04-GG-S1	18	SAFJ10S04	JMS1	JGL15	JGU15
90° Stanchion Mount 	35	1-1/4	SAFJ03-S-04-GG-L	15.5	SAFJ03S04	JML	JGL15	JGU15
	35	1-1/2	SAFJ03-S-04-GG-L1	15.5	SAFJ03S04	JML1	JGL15	JGU15
	50	1-1/4	SAFJ05-S-04-GG-L	16.5	SAFJ05S04	JML	JGL15	JGU15
	50	1-1/2	SAFJ05-S-04-GG-L1	16.5	SAFJ05S04	JML1	JGL15	JGU15
	70	1-1/4	SAFJ07-S-04-GG-L	17.5	SAFJ07S04	JML	JGL15	JGU15
	70	1-1/2	SAFJ07-S-04-GG-L1	17.5	SAFJ07S04	JML1	JGL15	JGU15
	100	1-1/4	SAFJ10-S-04-GG-L	19.5	SAFJ10S04	JML	JGL15	JGU15
	100	1-1/2	SAFJ10-S-04-GG-L1	19.5	SAFJ10S04	JML1	JGL15	JGU15

① All fixtures are designed for Mogul Base lamps, with the lamp mounted in base-up position.






② Fixtures and housings are with Multi-Tap ballast. For other ballast voltages, refer to Catalog Number Logic page. Refer to Certification Guide to determine suitability of individual fixture.

SAFJ Series

Hazardous location medium base HID

Metal Halide with Globe and Guard 50-100 Watts

(Lamps not included)

Mounting Style	Lamp Watts ①	Conduit Size (in.)	Catalog Number 120/208/240/277V ②	Shipping Weight (lbs.)	Consists Of			
					Ballast Housing②	Outlet Box	Globe	Guard
Rigid Pendant 	50	3/4	SAFJ05-H-04-GG-P	14	SAFJ05H04	JMP	JGL15	JGU15
	50	1	SAFJ05-H-04-GG-P1	14	SAFJ05H04	JMP1	JGL15	JGU15
	70	3/4	SAFJ07-H-04-GG-P	14	SAFJ07H04	JMP	JGL15	JGU15
	70	1	SAFJ07-H-04-GG-P1	14	SAFJ07H04	JMP1	JGL15	JGU15
	100	3/4	SAFJ10-H-04-GG-P	15	SAFJ10H04	JMP	JGL15	JGU15
	100	1	SAFJ10-H-04-GG-P1	15	SAFJ10H04	JMP1	JGL15	JGU15
Ceiling Mount 	50	3/4	SAFJ05-H-04-GG-C	14.5	SAFJ05H04	JMC	JGL15	JGU15
	50	1	SAFJ05-H-04-GG-C1	14.5	SAFJ05H04	JMC1	JGL15	JGU15
	70	3/4	SAFJ07-H-04-GG-C	14.5	SAFJ07H04	JMC	JGL15	JGU15
	70	1	SAFJ07-H-04-GG-C1	14.5	SAFJ07H04	JMC1	JGL15	JGU15
	100	3/4	SAFJ10-H-04-GG-C	15.5	SAFJ10H04	JMC	JGL15	JGU15
	100	1	SAFJ10-H-04-GG-C1	15.5	SAFJ10H04	JMC1	JGL15	JGU15
Wall Mount 	50	3/4	SAFJ05-H-04-GG-W	17	SAFJ05H04	JMW	JGL15	JGU15
	50	1	SAFJ05-H-04-GG-W1	17	SAFJ05H04	JMW1	JGL15	JGU15
	70	3/4	SAFJ07-H-04-GG-W	17	SAFJ07H04	JMW	JGL15	JGU15
	70	1	SAFJ07-H-04-GG-W1	17	SAFJ07H04	JMW1	JGL15	JGU15
	100	3/4	SAFJ10-H-04-GG-W	18	SAFJ10H04	JMW	JGL15	JGU15
	100	1	SAFJ10-H-04-GG-W1	18	SAFJ10H04	JMW1	JGL15	JGU15
25° Stanchion Mount 	50	1-1/4	SAFJ05-H-04-GG-S	16	SAFJ05H04	JMS	JGL15	JGU15
	50	1-1/2	SAFJ05-H-04-GG-S1	16	SAFJ05H04	JMS1	JGL15	JGU15
	70	1-1/4	SAFJ07-H-04-GG-S	16	SAFJ07H04	JMS	JGL15	JGU15
	70	1-1/2	SAFJ07-H-04-GG-S1	16	SAFJ07H04	JMS1	JGL15	JGU15
	100	1-1/4	SAFJ10-H-04-GG-S	17	SAFJ10H04	JMS	JGL15	JGU15
	100	1-1/2	SAFJ10-H-04-GG-S1	17	SAFJ10H04	JMS1	JGL15	JGU15
90° Stanchion Mount 	50	1-1/4	SAFJ05-H-04-GG-L	17.5	SAFJ05H04	JML	JGL15	JGU15
	50	1-1/2	SAFJ05-H-04-GG-L1	17.5	SAFJ05H04	JML1	JGL15	JGU15
	70	1-1/4	SAFJ07-H-04-GG-L	17.5	SAFJ07H04	JML	JGL15	JGU15
	70	1-1/2	SAFJ07-H-04-GG-L1	17.5	SAFJ07H04	JML1	JGL15	JGU15
	100	1-1/4	SAFJ10-H-04-GG-L	18.5	SAFJ10H04	JML	JGL15	JGU15
	100	1-1/2	SAFJ10-H-04-GG-L1	18.5	SAFJ10H04	JML1	JGL15	JGU15

① All fixtures are designed for Mogul Base lamps, with the lamp mounted in base-up position.

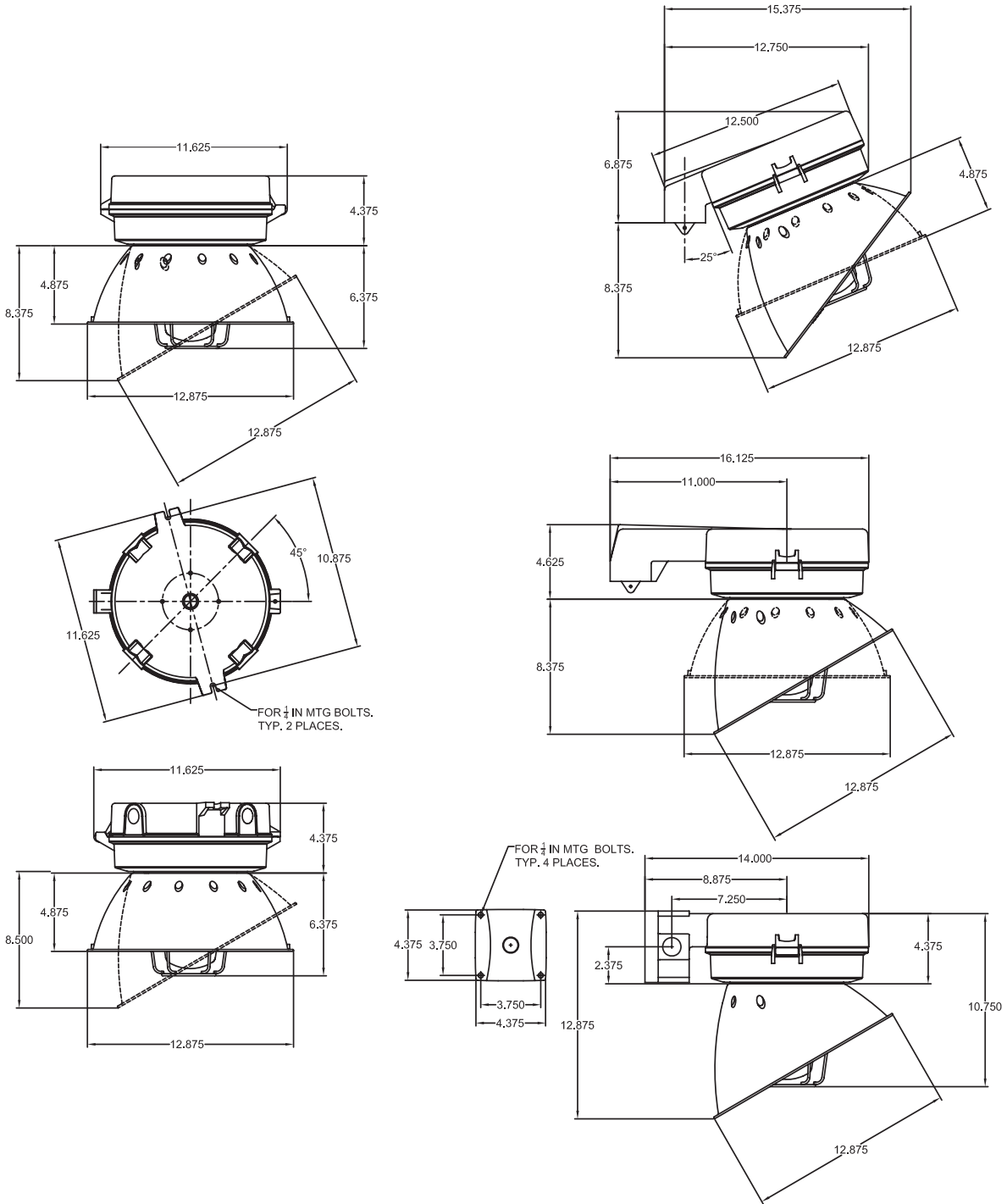
② Fixtures and housings are with Multi-Tap ballast. For other ballast voltages, refer to Catalog Number Logic page.

Refer to Certification Guide to determine suitability of individual fixture.

SAFJ Series

Hazardous location medium base HID


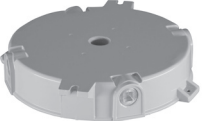



Fixture Dimensions (inches)





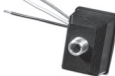



SAFJ Series

Hazardous location medium base HID


Accessories

Outlet Boxes	Catalog No.	Description	Shipping Weight (lbs.)
Rigid Pendant 	JMP	3/4	3.0
	JMP1	1	3.0
Ceiling Mount 	JMC	3/4	3.2
	JMC1	1	3.2
Wall Mount 	JMW	3/4	6.0
	JMW1	1	6.0
25° Stanchion Mount 	JMS	1-1/4	5.0
	JMS1	1-1/2	5.0
90° Stanchion Mount 	JML	1-1/4	6.5
	JML1	1-1/2	6.5

Reflectors, Globe, Guard and Photocells	Catalog No.	Description	Shipping Weight (lbs.)
Dome Reflector 	JD15	Standard Dome Reflector Molded Polycarbonate	0.8
Angle Reflector 	JA15	30° Angle Reflector Molded Polycarbonate	1.9
Guard 	JGU15	Stainless Steel Wire Guard	1.0
Glass Globe 	JGL15	Heat and Impact Resistant Prismatic Glass Globe	3.0
Photocell Kits  	HLPC-120 ³ HLPC208-277 ³ HLPC-347 ³	Automatic On-Off Photo Cell Kits (Requires Field Installation)	1.0
	SPH25-120 ² SPH25-277 ²	Automatic On-Off Photo Cell Kits (Requires Field Installation)	1.0

² Not Suitable for Hazardous Locations

³ Suitable for Hazardous Locations Class I, Division 2

Fuse Kit	Catalog No.	Description	Shipping Weight (lbs.)
	SBF600	Open fuse block kit- 600 volt AC maximum.	0.8



An Avail Infrastructure Solutions Company

availinfra.com/rig-a-lite

8500 Hansen Road,
Houston, TX 77075
(713) 943-0340