

SAFR LED

LED area lighting for
hazardous locations

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 & G
- Class III
- Class I, Zone 2, Groups IIA, IIB & IIC
- UL 8750 LED Safety
- UL 844 Hazardous Locations
- UL 1598 Wet Locations
- UL 1598A Marine Outside Type
- NEMA 4X
- IP66
- CUL
- ABS Type Approved
- Tested to LM 79 & LM 80
- US Patent # D637,339S
- Build America, Buy America Act (BABA) Compliant
- Buy American Act (BAA) Compliant



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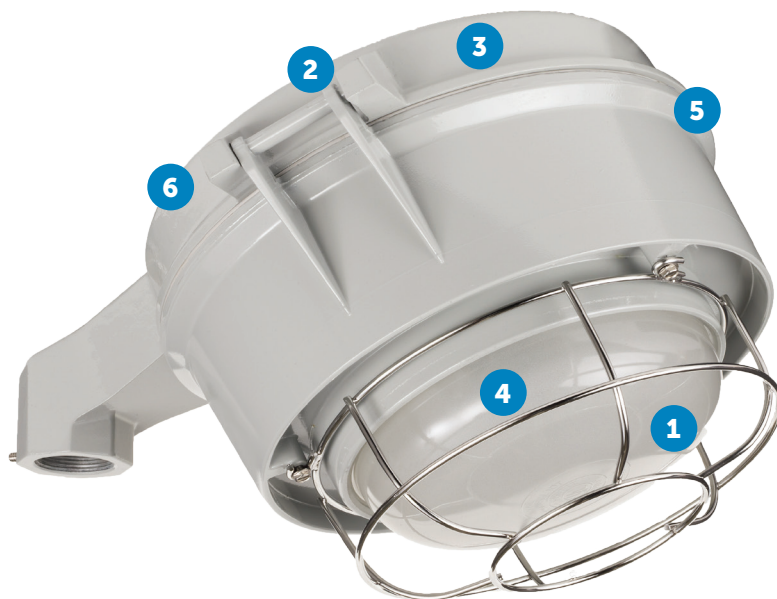
8500 Hansen Road,
Houston, TX 77075
(713) 943-0340

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Key Features

- 1 Optics feature wide distribution pattern with uplight
- 2 Hinged mount for access to internal components
- 3 Field replaceable LED circuit boards and drivers with quick disconnects
- 4 Clear/diffused lens options
- 5 Low profile
- 6 No external fins



Additional Features

- Standard 10kV surge protection
- Pendant, ceiling, wall and stanchion mounting options
- Terminal block
- Optional adapter ring mates to select competitor mounts
- Optional stainless steel threaded inserts
- Dimming option
- Optional stainless steel guard
- 5-year warranty

Standard Materials

Body:

A360 Aluminum (less than .4% copper content)
with baked-on gray epoxy finish

Gaskets:

One-Piece Silicone

Lens:

Borosilicate Glass or Polycarbonate

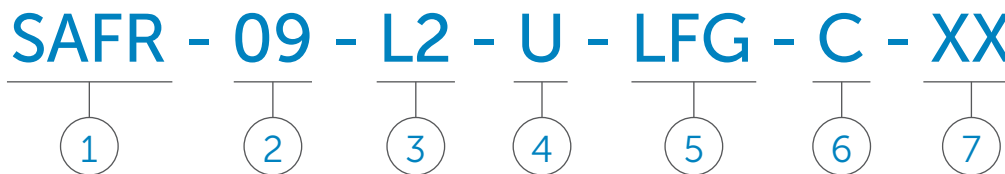
Hardware:

Stainless Steel

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Catalog Number Logic



- 1 BASIC LUMINAIRE**
Hazardous Location LED
Class I, Division 2, Groups A, B, C & D
Class II, Division 1 & 2, Groups E, F & G
Class III
Simultaneous Presence
Class I, Zone 2, Groups IIA, IIB & IIC
Enclosed and Gasketed
Wet Locations
NEMA 3R, 4X; IP66
UL 1598, UL1598A, UL844 & UL8750
CUL
ABS Type Approved
- 2 LAMP CURRENT/LAMP WATTAGE**
09 = 70 Watts
11 = 96 Watts
- 3 LAMP TYPE**
L2 = LED
- 4 DRIVER VOLTAGE**
U = 120 to 277V 50/60 HZ
N = 347/480V 60 HZ
- 5 GLOBE & GUARD**
LC = Low Profile Clear Glass Globe Only
LCG = Low Profile Clear Glass Globe & Guard
LF = Low Profile Frosted Glass Globe Only
LFG = Low Profile Frosted Glass Globe & Guard
LPC = Low Profile Clear Polycarbonate Globe Only
LPCG = Low Profile Clear Polycarbonate Globe & Guard
LPF = Low Profile Frosted Polycarbonate Globe Only
LPFG = Low Profile Frosted Polycarbonate Globe & Guard
- 6 MOUNTING STYLE**
P = 3/4" Pendant Mount
P1 = 1" Pendant Mount
C = 3/4" Ceiling Mount
C1 = 1" Ceiling Mount
W = 3/4" Wall Mount
W1 = 1" Wall Mount
S = 1-1/4" 25° Stanchion Mount
S1 = 1-1/2" 25° Stanchion Mount
L = 1-1/4" 90° Stanchion Mount
L1 = 1-1/2" 90° Stanchion Mount
- 7 OPTIONS¹**
SS = Stainless Steel Inserts (304)
FB1 = Single Fuse Block^{2,3}
FB2 = Double Fuse Block^{2,3}

¹ Consult factory for pricing

² Not available unless incoming voltage is specified. When installed, one fuse block is provided for 120, 277V and two fuse blocks are provided for 208, 220, 240V. Fuse not included. Not available on 347V or 480V.

³ Fuse option not available for marine listed fixtures.

Refer to Certification Guide to determine suitability of individual fixture.

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

Certification Guide

Model	Mount	Wattage	Operating Voltage	Total Lumens	Lumens per Watt	CRI	CCT	Ambient Temperature	Class I, Div. 2, Group A, B, C & D	Class II, Div. 1, Group E, F & G Class III	Simultaneous Presence	Supply Wire Suitable Temperature, °C
SAFR09L2_LC	P, C, W, S, L, K	70W	120V - 277V 50/60 Hz, 347V/480V 60 Hz	6796	103	74	4755	-20°C < Tamb < 55°C	T4	T6	T3B	90°C
SAFR09L2_LPC	P, C, W, S, L, K	70W		6796	103	74	4755	-20°C < Tamb < 55°C	T4	T6	T3B	
SAFR09L2_LF	P, C, W, S, L, K	70W		6088	92	73	4760	-20°C < Tamb < 55°C	T4	T6	T3B	
SAFR09L2_LPF	P, C, W, S, L, K	70W	120V - 277V 50/60 Hz, 347V/480V 60 Hz	6088	92	73	4760	-20°C < Tamb < 55°C	T4	T6	T3B	90°C
SAFR11L2_LC	P, C, W, S, L, K	96W		9570	104	75	4798	-20°C < Tamb < 55°C	T4A	T6	T3C	
SAFR11L2_LPC	P, C, W, S, L, K	96W		9570	104	75	4798	-20°C < Tamb < 55°C	T4A	T6	T3C	
SAFR11L2_LF	P, C, W, S, L, K	96W		8610	94	75	4807	-20°C < Tamb < 55°C	T4A	T6	T3C	
SAFR11L2_LPF	P, C, W, S, L, K	96W		8610	94	75	4807	-20°C < Tamb < 55°C	T4A	T6	T3C	

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70 Watt Low Profile Clear Globe and Guard

Mounting Style	Conduit Size (in.)	Catalog Number 120V thru 277V 50/60 HZ	Shipping Weight (lbs.)	Consists Of			
				Ballast Housing	Outlet Box	Globe	Guard
Rigid Pendant 	3/4	SAFR09-L2-U-LCG-P	17.2	SAFR09L2U	SMP	SGL10T	SXP10WG
	1	SAFR09-L2-U-LCG-P1	17.2	SAFR09L2U	SMP1	SGL10T	SXP10WG
	3/4	SAFR09-L2U-LPCG-P	15.5	SAFR09L2U	SMP	SPG10C	SXP10WG
	1	SAFR09-L2U-LPCG-P1	15.5	SAFR09L2U	SMP1	SPG10C	SXP10WG
Ceiling Mount 	3/4	SAFR09-L2-U-LCG-C	18.0	SAFR09L2U	SMC	SGL10T	SXP10WG
	1	SAFR09-L2-U-LCG-C1	18.0	SAFR09L2U	SMC1	SGL10T	SXP10WG
	3/4	SAFR09-L2-U-LPCG-C	16.3	SAFR09L2U	SMC	SPG10C	SXP10WG
	1	SAFR09-L2-U-LPCG-C1	16.3	SAFR09L2U	SMC1	SPG10C	SXP10WG
Wall Mount 	3/4	SAFR09-L2-U-LCG-W	17.2	SAFR09L2U	SMW	SGL10T	SXP10WG
	1	SAFR09-L2-U-LCG-W1	17.2	SAFR09L2U	SMW1	SGL10T	SXP10WG
	3/4	SAFR09-L2-U-LPCG-W	15.5	SAFR09L2U	SMW	SPG10C	SXP10WG
	1	SAFR09-L2-U-LPCG-W1	15.5	SAFR09L2U	SMW1	SPG10C	SXP10WG
25° Stanchion Mount 	1-1/4	SAFR09-L2-U-LCG-S	17.2	SAFR09L2U	SMS	SGL10T	SXP10WG
	1-1/2	SAFR09-L2-U-LCG-S1	17.2	SAFR09L2U	SMS1	SGL10T	SXP10WG
	1-1/4	SAFR09-L2-U-LPCG-S	15.5	SAFR09L2U	SMS	SPG10C	SXP10WG
	1-1/2	SAFR09-L2-U-LPCG-S1	15.5	SAFR09L2U	SMS1	SPG10C	SXP10WG
90° Stanchion Mount 	1-1/4	SAFR09-L2-U-LCG-L	18.0	SAFR09L2U	SML	SGL10T	SXP10WG
	1-1/2	SAFR09-L2-U-LCG-L1	18.0	SAFR09L2U	SML1	SGL10T	SXP10WG
	1-1/4	SAFR09-L2-U-LPCG-L	16.3	SAFR09L2U	SML	SPG10C	SXP10WG
	1-1/2	SAFR09-L2-U-LPCG-L1	16.3	SAFR09L2U	SML1	SPG10C	SXP10WG

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70 Watt Low Profile Frosted Globe and Guard

Mounting Style	Conduit Size (in.)	Catalog Number 120V thru 277V 50/60 HZ	Shipping Weight (lbs.)	Consists Of			
				Ballast Housing	Outlet Box	Globe	Guard
Rigid Pendant 	3/4	SAFR09-L2-U-LFG-P	17.2	SAFR09L2U	SMP	SFGL10T	SXP10WG
	1	SAFR09-L2-U-LFG-P1	17.2	SAFR09L2U	SMP1	SFGL10T	SXP10WG
	3/4	SAFR09-L2U-LPFG-P	15.5	SAFR09L2U	SMP	SPG10F	SXP10WG
	1	SAFR09-L2U-LPFG-P1	15.5	SAFR09L2U	SMP1	SPG10F	SXP10WG
Ceiling Mount 	3/4	SAFR09-L2-U-LFG-C	18.0	SAFR09L2U	SMC	SFGL10T	SXP10WG
	1	SAFR09-L2-U-LFG-C1	18.0	SAFR09L2U	SMC1	SFGL10T	SXP10WG
	3/4	SAFR09-L2-U-LPFG-C	16.3	SAFR09L2U	SMC	SPG10F	SXP10WG
	1	SAFR09-L2-U-LPFG-C1	16.3	SAFR09L2U	SMC1	SPG10F	SXP10WG
Wall Mount 	3/4	SAFR09-L2-U-LFG-W	17.2	SAFR09L2U	SMW	SFGL10T	SXP10WG
	1	SAFR09-L2-U-LFG-W1	17.2	SAFR09L2U	SMW1	SFGL10T	SXP10WG
	3/4	SAFR09-L2-U-LPFG-W	15.5	SAFR09L2U	SMW	SPG10F	SXP10WG
	1	SAFR09-L2-U-LPFG-W1	15.5	SAFR09L2U	SMW1	SPG10F	SXP10WG
25° Stanchion Mount 	1-1/4	SAFR09-L2-U-LFG-S	17.2	SAFR09L2U	SMS	SFGL10T	SXP10WG
	1-1/2	SAFR09-L2-U-LFG-S1	17.2	SAFR09L2U	SMS1	SFGL10T	SXP10WG
	1-1/4	SAFR09-L2-U-LPFG-S	15.5	SAFR09L2U	SMS	SPG10F	SXP10WG
	1-1/2	SAFR09-L2-U-LPFG-S1	15.5	SAFR09L2U	SMS1	SPG10F	SXP10WG
90° Stanchion Mount 	1-1/4	SAFR09-L2-U-LFG-L	18.0	SAFR09L2U	SML	SFGL10T	SXP10WG
	1-1/2	SAFR09-L2-U-LFG-L1	18.0	SAFR09L2U	SML1	SFGL10T	SXP10WG
	1-1/4	SAFR09-L2-U-LPFG-L	16.3	SAFR09L2U	SML	SPG10F	SXP10WG
	1-1/2	SAFR09-L2-U-LPFG-L1	16.3	SAFR09L2U	SML1	SPG10F	SXP10WG

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96 Watt Low Profile Clear Globe and Guard

Mounting Style	Conduit Size (in.)	Catalog Number 120V thru 277V 50/60 HZ	Shipping Weight (lbs.)	Consists Of			
				Ballast Housing	Outlet Box	Globe	Guard
Rigid Pendant 	3/4	SAFR11-L2-U-LCG-P	17.2	SAFR11L2U	SMP	SGL10T	SXP10WG
	1	SAFR11-L2-U-LCG-P1	17.2	SAFR11L2U	SMP1	SGL10T	SXP10WG
	3/4	SAFR11-L2-U-LPCG-P	15.5	SAFR11L2U	SMP	SPG10C	SXP10WG
	1	SAFR11-L2-U-LPCG-P1	15.5	SAFR11L2U	SMP1	SPG10C	SXP10WG
Ceiling Mount 	3/4	SAFR11-L2-U-LCG-C	18.0	SAFR11L2U	SMC	SGL10T	SXP10WG
	1	SAFR11-L2-U-LCG-C1	18.0	SAFR11L2U	SMC1	SGL10T	SXP10WG
	3/4	SAFR11-L2-U-LPCG-C	16.3	SAFR11L2U	SMC	SPG10C	SXP10WG
	1	SAFR11-L2-U-LPCG-C1	16.3	SAFR11L2U	SMC1	SPG10C	SXP10WG
Wall Mount 	3/4	SAFR11-L2-U-LCG-W	17.2	SAFR11L2U	SMW	SGL10T	SXP10WG
	1	SAFR11-L2-U-LCG-W1	17.2	SAFR11L2U	SMW1	SGL10T	SXP10WG
	3/4	SAFR11-L2-U-LPCG-W	15.5	SAFR11L2U	SMW	SPG10C	SXP10WG
	1	SAFR11-L2-U-LPCG-W1	15.5	SAFR11L2U	SMW1	SPG10C	SXP10WG
25° Stanchion Mount 	1-1/4	SAFR11-L2-U-LCG-S	17.2	SAFR11L2U	SMS	SGL10T	SXP10WG
	1-1/2	SAFR11-L2-U-LCG-S1	17.2	SAFR11L2U	SMS1	SGL10T	SXP10WG
	1-1/4	SAFR11-L2-U-LPCG-S	15.5	SAFR11L2U	SMS	SPG10C	SXP10WG
	1-1/2	SAFR11-L2-U-LPCG-S1	15.5	SAFR11L2U	SMS1	SPG10C	SXP10WG
90° Stanchion Mount 	1-1/4	SAFR11-L2-U-LCG-L	18.0	SAFR11L2U	SML	SGL10T	SXP10WG
	1-1/2	SAFR11-L2-U-LCG-L1	18.0	SAFR11L2U	SML1	SGL10T	SXP10WG
	1-1/4	SAFR11-L2-U-LPCG-L	16.3	SAFR11L2U	SML	SPG10C	SXP10WG
	1-1/2	SAFR11-L2-U-LPCG-L1	16.3	SAFR11L2U	SML1	SPG10C	SXP10WG

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96 Watt Low Profile Frosted Globe and Guard

Mounting Style	Conduit Size (in.)	Catalog Number 120V thru 277V 50/60 HZ	Shipping Weight (lbs.)	Consists Of			
				Ballast Housing	Outlet Box	Globe	Guard
Rigid Pendant 	3/4	SAFR11-L2-U-LFG-P	17.2	SAFR11L2U	SMP	SFGL10T	SXP10WG
	1	SAFR11-L2-U-LFG-P1	17.2	SAFR11L2U	SMP1	SFGL10T	SXP10WG
	3/4	SAFR11-L2U-LPFG-P	15.5	SAFR11L2U	SMP	SPG10F	SXP10WG
	1	SAFR11-L2U-LPFG-P1	15.5	SAFR11L2U	SMP1	SPG10F	SXP10WG
Ceiling Mount 	3/4	SAFR11-L2-U-LFG-C	18.0	SAFR11L2U	SMC	SFGL10T	SXP10WG
	1	SAFR11-L2-U-LFG-C1	18.0	SAFR11L2U	SMC1	SFGL10T	SXP10WG
	3/4	SAFR11-L2-U-LPFG-C	16.3	SAFR11L2U	SMC	SPG10F	SXP10WG
	1	SAFR11-L2-U-LPFG-C1	16.3	SAFR11L2U	SMC1	SPG10F	SXP10WG
Wall Mount 	3/4	SAFR11-L2-U-LFG-W	17.2	SAFR11L2U	SMW	SFGL10T	SXP10WG
	1	SAFR11-L2-U-LFG-W1	17.2	SAFR11L2U	SMW1	SFGL10T	SXP10WG
	3/4	SAFR11-L2-U-LPFG-W	15.5	SAFR11L2U	SMW	SPG10F	SXP10WG
	1	SAFR11-L2-U-LPFG-W1	15.5	SAFR11L2U	SMW1	SPG10F	SXP10WG
25° Stanchion Mount 	1-1/4	SAFR11-L2-U-LFG-S	17.2	SAFR11L2U	SMS	SFGL10T	SXP10WG
	1-1/2	SAFR11-L2-U-LFG-S1	17.2	SAFR11L2U	SMS1	SFGL10T	SXP10WG
	1-1/4	SAFR11-L2-U-LPFG-S	15.5	SAFR11L2U	SMS	SPG10F	SXP10WG
	1-1/2	SAFR11-L2-U-LPFG-S1	15.5	SAFR11L2U	SMS1	SPG10F	SXP10WG
90° Stanchion Mount 	1-1/4	SAFR11-L2-U-LFG-L	18.0	SAFR11L2U	SML	SFGL10T	SXP10WG
	1-1/2	SAFR11-L2-U-LFG-L1	18.0	SAFR11L2U	SML1	SFGL10T	SXP10WG
	1-1/4	SAFR11-L2-U-LPFG-L	16.3	SAFR11L2U	SML	SPG10F	SXP10WG
	1-1/2	SAFR11-L2-U-LPFG-L1	16.3	SAFR11L2U	SML1	SPG10F	SXP10WG

Refer to Certification Guide to determine suitability of individual fixture.

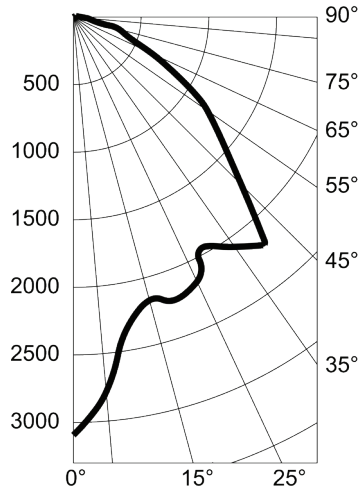
SAFR LED

LED area lighting for hazardous locations

Candlepower Distribution & Photometric Data

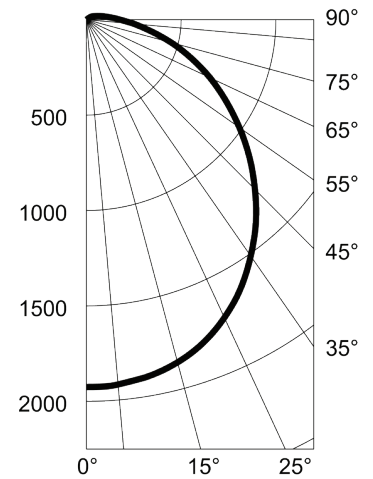
SAFR09L2ULCXX

Deg.	Parl.
0	3094
5	2784
10	2324
15	2170
20	2223
25	2160
30	1959
35	2076
40	2195
45	1754
50	1439
55	1209
60	916
65	644
70	436
75	350
80	144
85	106
90	57



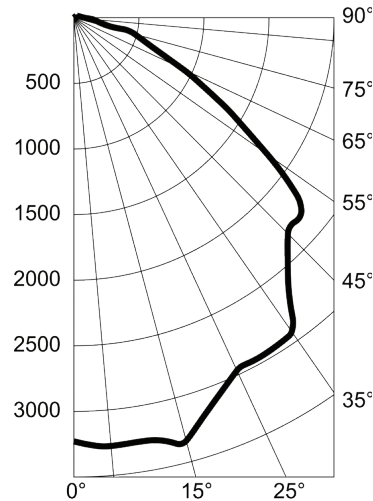
SAFR09L2ULFXX

Deg.	Parl.
0	1925
5	1919
10	1897
15	1859
20	1802
25	1723
30	1627
35	1512
40	1391
45	1258
50	1124
55	986
60	850
65	720
70	589
75	464
80	346
85	254
90	179



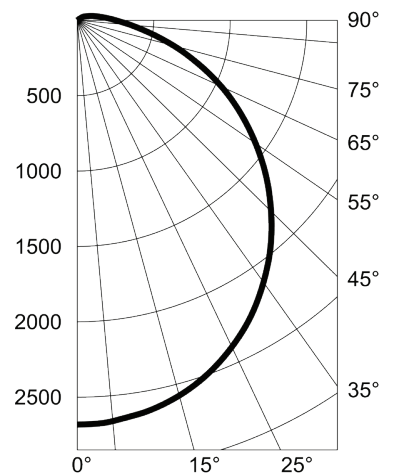
SAFR11L2ULCXX

Deg.	Parl.
0	3228
5	3276
10	3272
15	3344
20	3127
25	2966
30	2953
35	2920
40	2560
45	2327
50	2283
55	1819
60	1323
65	922
70	630
75	486
80	195
85	149
90	80



SAFR11L2ULFXX

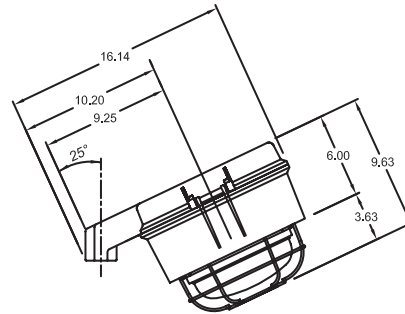
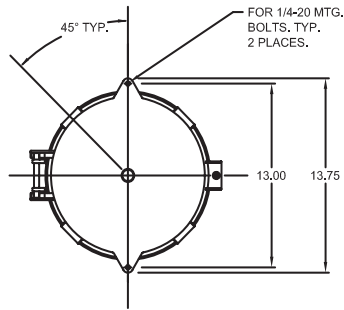
Deg.	Parl.
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5	2669
10	2634
15	2577
20	2496
25	2391
30	2268
35	2122
40	1965
45	1791
50	1612
55	1423
60	1233
65	1040
70	842
75	655
80	483
85	351
90	254



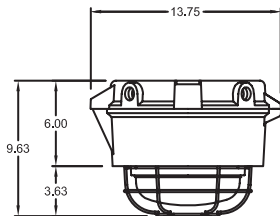
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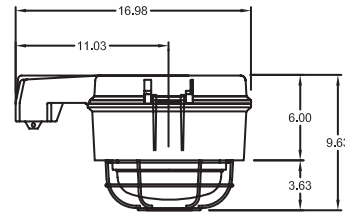
Fixture Dimensions (inches)



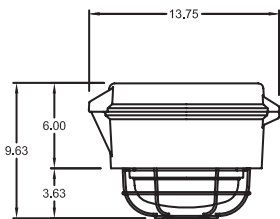
25° Stanchion mount with
threaded glass globe
and guard.



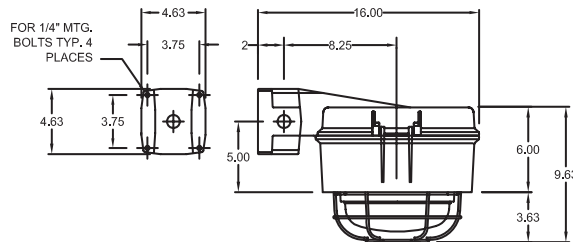
Ceiling mount with
threaded glass globe
and guard.



90° Stanchion mount with
threaded glass globe
and guard.



Pendant mount with
threaded glass globe
and guard.



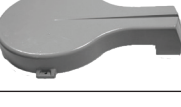
Wall mount with
threaded glass globe
and guard.

Refer to Certification Guide
to determine suitability of
individual fixture.

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Accessories

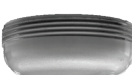
Outlet Boxes	Catalog No.	Conduit Hub Size (in.)	Shipping Weight (lbs.)
 Rigid Pendant	SMP	3/4	3.3
	SMP1	1	3.3
 Ceiling Mount	SMC	3/4	4.1
	SMC1	1	4.1
 Wall Mount	SMW	3/4	7.8
	SMW1	1	7.8
 25° Stanchion Mount	SMS	1-1/4	5.9
	SMS1	1-1/2	5.9
 90° Stanchion Mount	SML	1-1/4	5.9
	SML1	1-1/2	5.9

Hazardous Location Photo Cell Kit*	Catalog No.	Description	Shipping Weight (lbs.)
	HLPC-120	Automatic on-off switch at predetermined light levels. (120 volt only)	.25
	HLPC-208-277	REQUIRES FIELD INSTALLATION.	.25

* Not Suitable for hazardous locations.

SAF/SAFR Adapter Ring	Catalog No.	Description	Shipping Weight (lbs.)
	RTXMV	Adapter Ring UL listed as Luminaire Fitting for use in Class I Div. 2 Groups A, B, C & D and Marine. Mates with competitor models APM2, APM3, HPM2, CM2, CM3, TWM2, TWM3, JMS, PM5 and QM25 mounts	3.25

Guards / Safety Cable	Catalog No.	Description	Shipping Weight (lbs.)
	SXP10WG	Stainless Steel Wire Guard for Low Profile Clear and Frosted Globes	1.0
	10128R	Open fuse block kit - 600 volt AC maximum	1.0

Globe	Catalog No.	Description	Shipping Weight (lbs.)
	SGL10T	Low Profile Clear Glass Globe	4.2
	SPG10C	Low Profile Clear Polycarbonate Globe	2.5
	SFGL10T	Low Profile Frosted Glass Globe	4.2
	SPG10F	Low Profile Frosted Polycarbonate Globe	2.5

RIG-A-LITE™
An Avail Infrastructure Solutions Company

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

Fixtures ordered with refractors are not suitable to be ordered with reflectors.

Refer to Certification Guide to determine suitability of individual fixture.