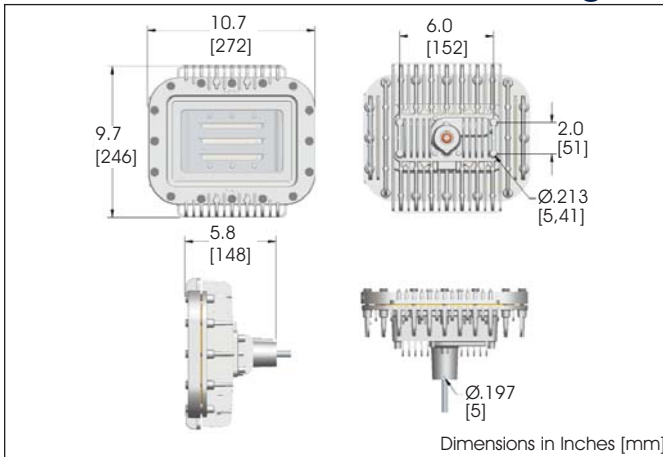




Patent Pending

SafeSite® Series LED Area Light



Dimensions in Inches [mm]

Certifications

- Class I, Div 1, Groups B, C, D
- Class II, Div 1, Groups E, F, G
- UL 1598/A
- CSA 22.2 No. 137-M1981
- IP66 (pending)
- NEMA 4X (pending)

Features & Benefits

- 5 year full performance warranty
- Instant on/off operation
- Universal input (100-277 VAC), 50/60Hz
- Superior color rendition index compared to HPS, LPS, MV
- Mercury free
- Resistant to shock and vibration
- Temperature compensation technology for longer life
- L70 rated for >100,000 hours @ 45°C ambient
- Factory sealed
- Low T rating compared to traditional fixtures

Ordering Codes:

Part Number	Group B (Hydrogen)	Optical Pattern ¹	Color ²	Lumens	Watts	Lumens Per Watt
HZC2C2N		180	Cool White	3,500	43	81
HZC3C2N		360	Cool White	3,500	43	81
HZC4C2N		180	Cool White	4,500	55	82
HZC5C2N		360	Cool White	4,500	55	82
HZC8C2N		180	Cool White	5,500	70	79
HZC9C2N		360	Cool White	5,500	70	79
HZP8C2N	•	180	Cool White	5,500	70	79
HZP9C2N	•	360	Cool White	5,500	70	79

¹180° optical pattern versions are optimized for a 45° mounting angle

²Part numbers listed in the above table are cool white. For neutral white version replace the 5th character with N Ex: HZC2C2N becomes HZC2N2N

Application:

The SafeSite® Series LED area light represents the future of energy efficient facility illumination for hazardous locations worldwide. The Class I, Div 1 LED area lighting fixture consumes at least 50% energy compared to traditional HID light sources, while reducing maintenance and carbon emissions. This light incorporates both cutting edge LED technology along with proprietary optics to achieve area lighting comparable with other traditional light sources.

Whether your application is in a refinery, oil platform, chemical plant or any other Class I, Division 1 application, this fixture offers improved performance across the board.

Mechanical Information

Fixture Weight:	14.5 lb (6.58 kg)
Shipping Weight:	16.5lb (7.48kg)
Mounting:	(1) Threaded 3/4" NPT rear
Cabling:	10' (3.5m) SOOW power cord

Electrical specifications

Operating Voltage:	100-277VAC, 50/60 Hz
Power Consumption:	43W / 55W / 70W
Operating Temp:	-40°F to +149°F (-40°C to +65°C)

Noise Requirements/ EMC:

FCC Title 47, Subpart B, Section 15, class A device. RF Immunity; 10V/m, 80MHz-1GHz

Surge Protection:

1 kV line to line
2 kV line to ground

THD:

< 15%

Power Factor:

> 0.9

Construction

Housing:	Powder coated aluminum
Finish:	Polyester / epoxy powder coat gray RAL 7040 for superior corrosion resistance
Lens:	Glass

Photometric Information

CRI:	> 70
CCT:	5,700K (cool white) 4,500K (neutral white)
Optics:	180° forward throw 360° forward throw
IES Files:	Available upon request

All values typical unless otherwise state

Temperature Ratings	
Ambient Temperature Range T4a Temperature Code	Ambient Temperature Range T5 Temperature Code
-40°F to +149°F (-40°C to +65°C)	-40°F to +113°F (-40°C to +45°C)

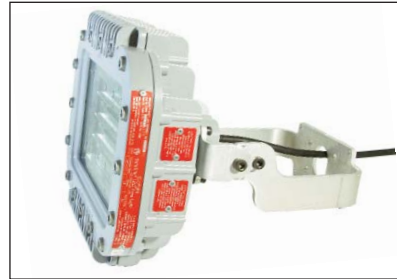
SafeSite® LED Area Light

Mounting Options

Conduit Mount



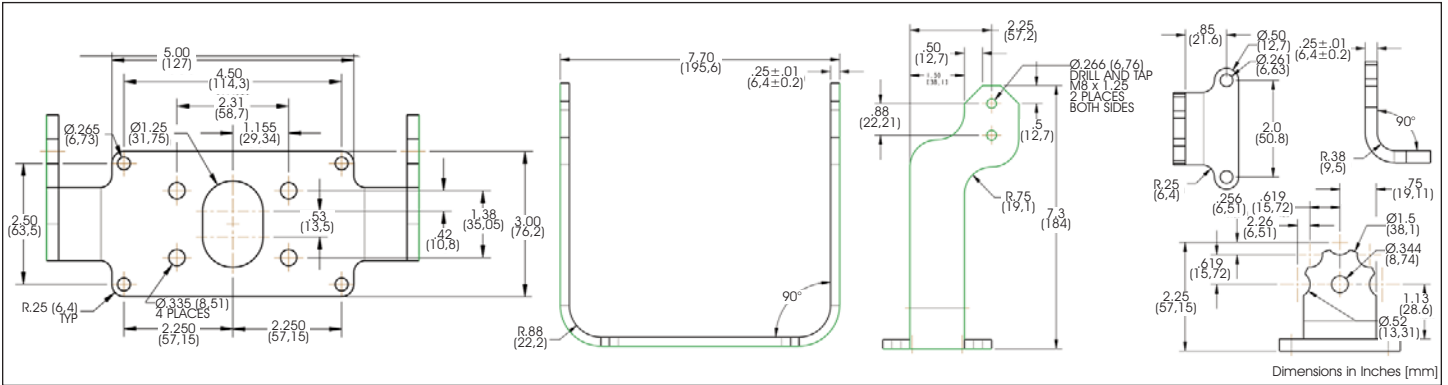
Swing Bracket



Swing Bracket Dimensions

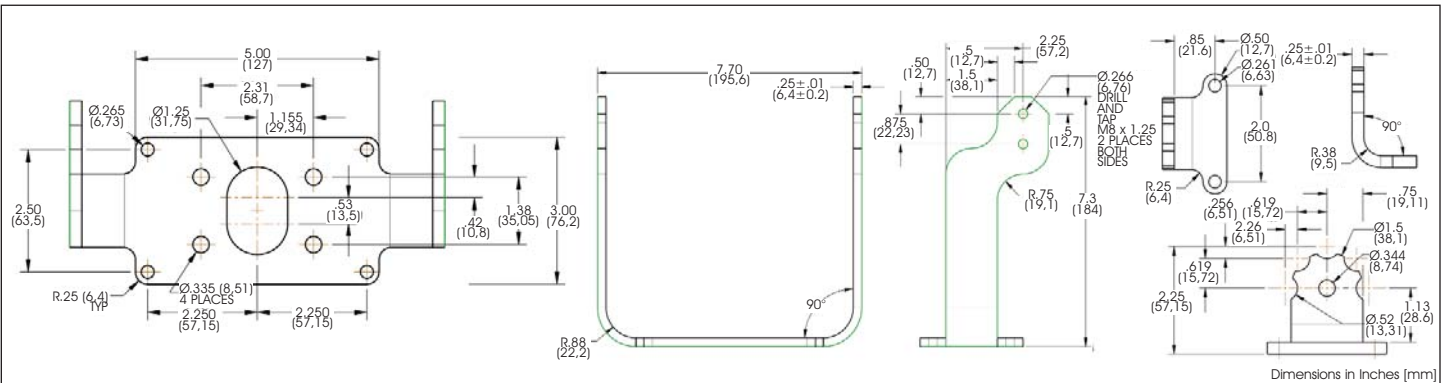
HZXW3

A heavy duty Stainless steel bracket, .25" thick 304 Stainless steel. This bracket will mount to 1.5" conduit and comes with pipe mount clamps.



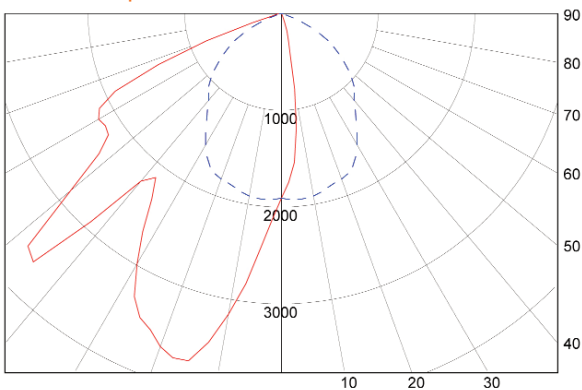
HZXW4

A standard duty Aluminum bracket, .25" thick 6061-T6 and powder coated. This bracket will mount to 1.5" conduit and comes with pipe mount clamps.

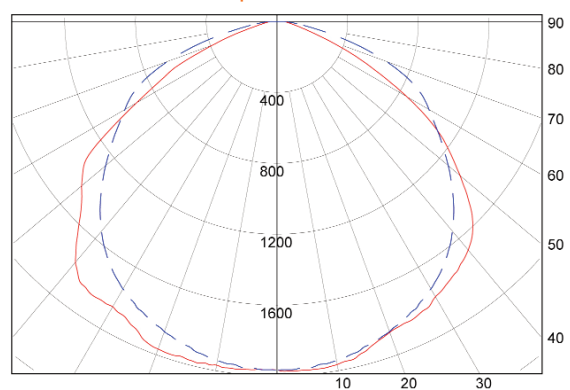


Polar Plots

180° Optical Pattern Mounted at 45°



360° Optical Pattern



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