Dialight

Patent Pending

SafeSite® Series LED Area Light
CID1/CIID1 Version

Dimensions in Inches [mm]
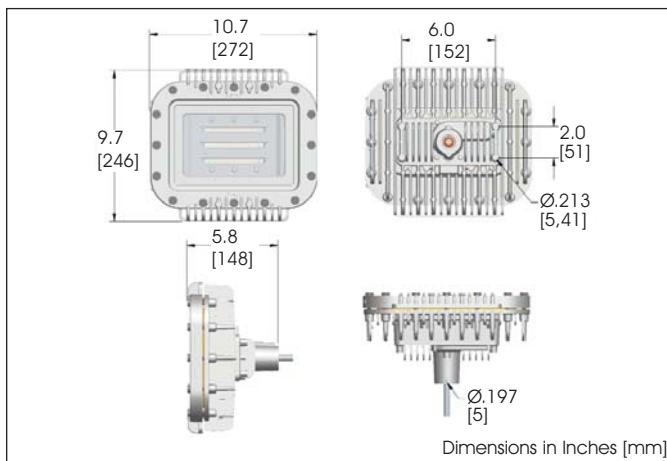
Certifications
- Class I, Div 1, Groups B, C, D
- Class II, Div 1, Groups E, F, G
- UL 844
- UL 1598/A
- CSA 22.2 No. 137-M1981
- IP66 (pending)
- NEMA 4X (pending)

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 @ 25°C ambient
- Factory sealed
- Low T rating compared to traditional fixtures

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

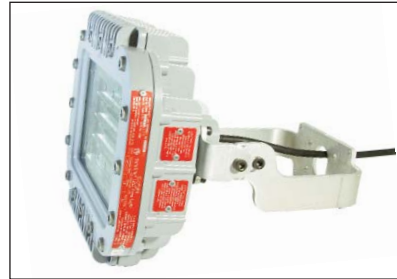| Temperature Ratings	
Ambient Temperature Range T4a Temperature Code	Ambient Temperature Range T5 Temperature Code
-40°F to +149°F (-40°C to +65°C)	-40°F to +113°F (-40°C to +45°C)

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	5,800	70	83
HZC9C2N		360	Cool White	5,800	70	83
HZP8C2N	•	180	Cool White	5,800	70	83
HZP9C2N	•	360	Cool White	5,800	70	83

[1]180° optical pattern versions are optimized for a 45° mounting angle
[2]Part numbers listed in the above table are cool white. For neutral white version replace the 5th character with N Ex: HZC2C2N becomes HZC2N2N

SafeSite® LED Area Light
Mounting Options

Conduit Mount

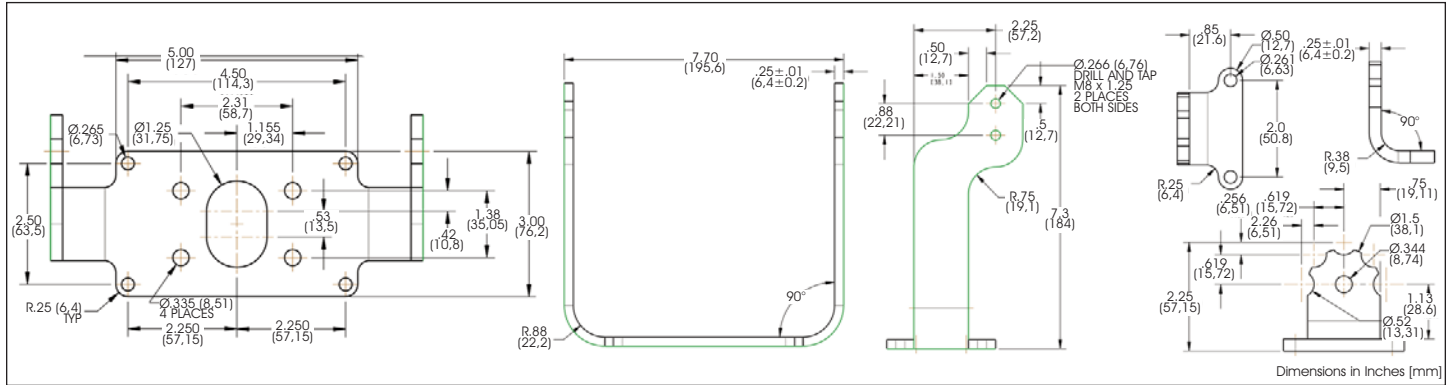### Swing Bracket

Swing Bracket Dimensions

HZXW2

A standard duty Aluminum bracket, .25" thick 6061-T6 and powder coated.
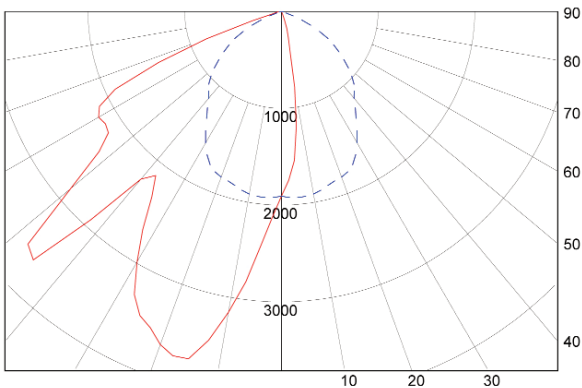

Dimensions in Inches [mm]

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.
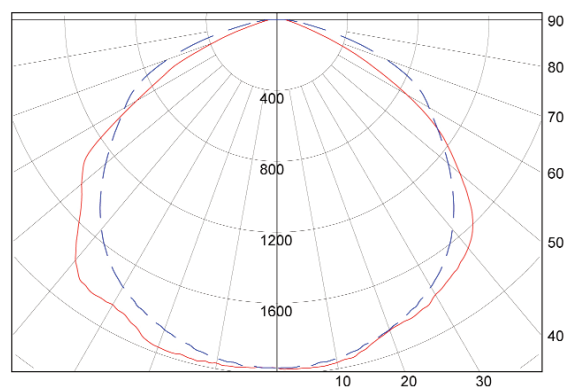

Dimensions in Inches [mm]
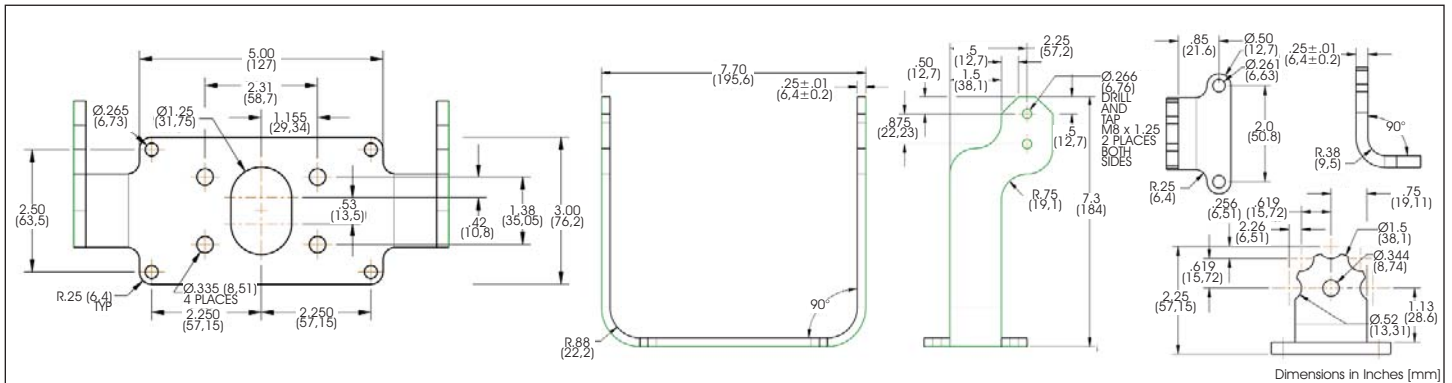
Polar Plots

180° Optical Pattern Mounted at 45°

360° Optical Pattern

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