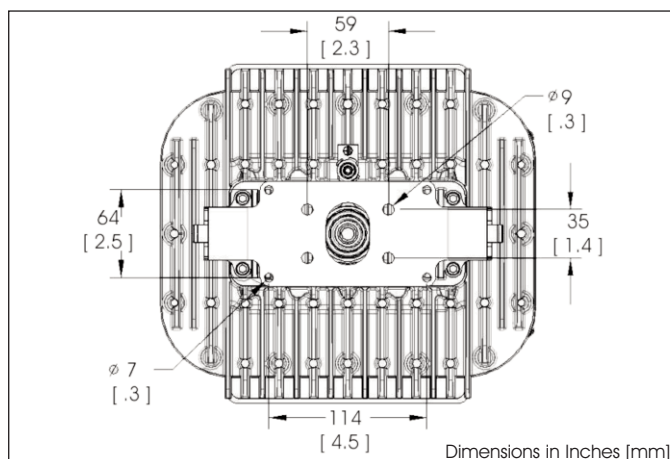


# Dialight



Patent Pending

## SafeSite® LED Area Light ATEX / IECEx



### Certifications

- Ex II 2GD Ex d IIC T4 Gb (Ta = -40°C to +65°C)
- Ex II 2GD Ex d IIC T5 Gb (Ta = -40°C to +42°C)
- Ex † IIC T135°C Db IP 6X (Ta = -40°C to +65°C)
- Ex † IIC T100°C Db IP 6X (Ta = -40°C to +42°C)
- Certificate numbers: IECEx SIR 11.0156  
SIRA 11ATEX1357

- ATEX Zones 1, 21
- ATEX Zones 2, 22
- ABS Design Assessed: 13-HS1043210C-PDA
- IP 66
- RoHS compliant
- IK08 impact rating

### Features & Benefits

- L70 rated for >100,000 hours @ 25°C ambient
- 5 year full performance warranty
- Instant on/off operation
- Universal input (110-277V AC), 50/60Hz
- Superior colour rendering index compared to HPS, LPS, MV
- Mercury free
- Resistant to shock and vibration
- Temperature compensation technology for longer life
- Factory sealed
- Junction box models also available

### Ordering Codes:

Part Number	Optical Pattern <sup>1</sup>	Color	Lumens	Watts	Lumens Per Watt
HZA9C2N-LT	360	Cool White	6,000	58	103
HZA8C2N-LT	180	Cool White	5,600	58	97
HZA5C2N-LT	360	Cool White	5,100	48	106
HZA4C2N-LT	180	Cool White	4,600	48	96
HZA3C2N-LT	360	Cool White	4,000	38	105
HZA2C2N-LT	180	Cool White	3,600	38	95
HZA1C2N-LT	360	Cool White	2,200	21	105
HZA0C2N-LT	180	Cool White	2,200	21	105

<sup>1</sup>180° optical pattern models are optimized for a 45° mounting angle

<sup>2</sup>Part numbers listed in the above table are cool white. For neutral white models replace the 5th character with **N** Ex: HZA2C2N-LT becomes HZA2N2N-LT

### Application:

The SafeSite® LED area light represents the future of energy efficient facility illumination for hazardous areas worldwide. The ATEX / IECEx area lighting fixture consumes at least 50% less 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.

### Mechanical Information

Fixture Weight:	6.58kg (14.5 lb)
Shipping Weight:	7.48kg (16.5lb)
Mounting:	Supplied with Stirrup Mounting Bracket
Cabling:	Factory installed 3 metre SWB cable

### Electrical specifications

Operating Voltage:	110-277V AC, 50/60 Hz
Power Consumption:	21W / 38W / 48W / 58W
Operating Temp:	-40°C to +65°C (-40°F to +149°F)
Surge Protection:	1 kV line to line 2 kV line to ground
THD:	<20%
Power Factor:	> 0.9

### Construction

Housing:	Powder coated A360 alum.
Finish:	Polyester / epoxy powder coat gray RAL 7040 for superior corrosion resistance
Lens:	Toughened glass

### Photometric Information

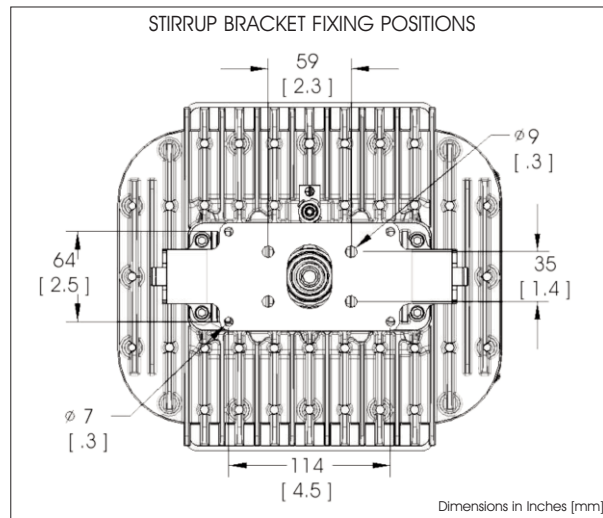
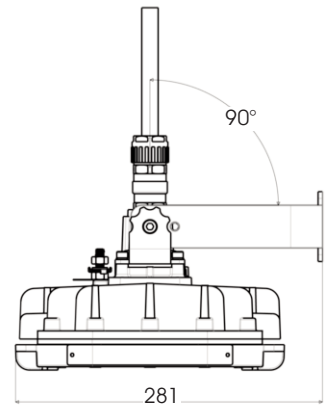
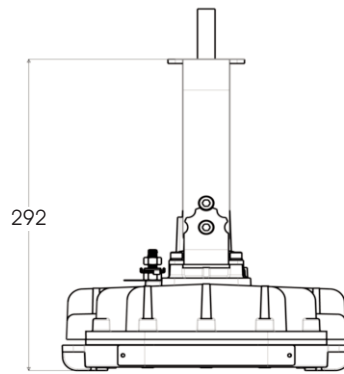
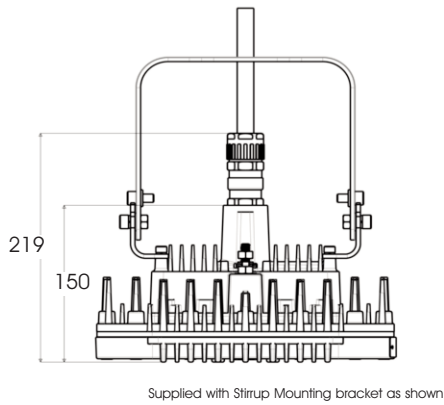
CRI:	70
CCT:	5,000K (cool white) 4,000K (neutral white)
Optics:	180° forward throw 360° forward throw
IES Files:	Available upon request

All values typical unless otherwise stated  
All lumen values are typical (tolerance +/- 10%)



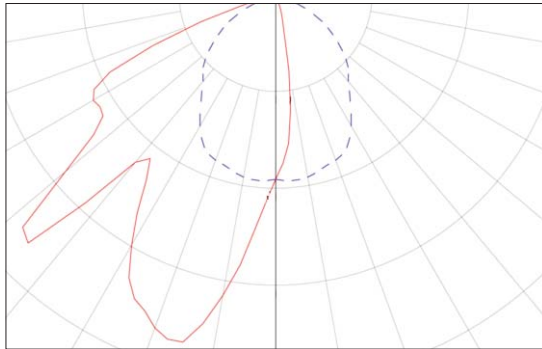
# SafeSite® LED Area Light

## Dimensions with Stirrup Bracket

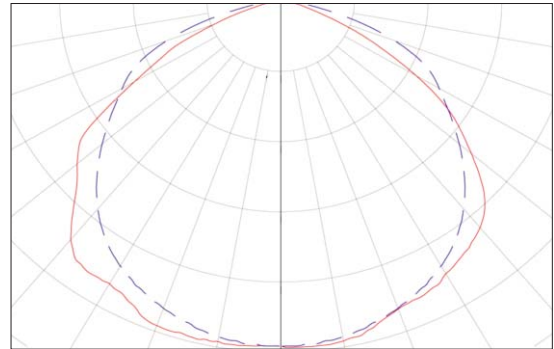


## Polar Plots

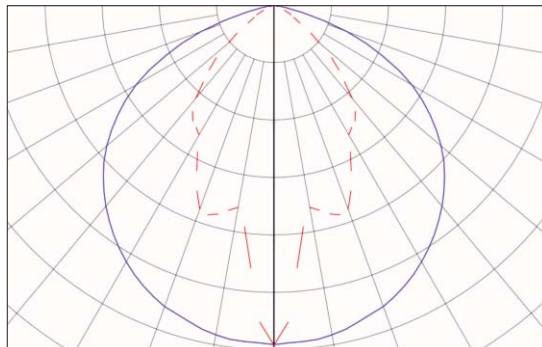
180° Optical Pattern Mounted at 45°



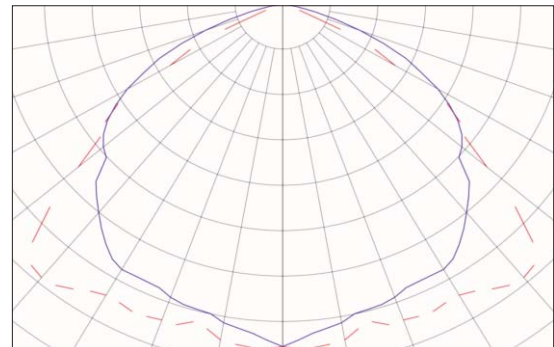
360° Optical Pattern



180° Optical Pattern - HZA0C2N



360° Optical Pattern - HZA1C2N



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