

## SafeSite<sup>®</sup> LED Floodlight - ATEX / IECEx for Outdoor Industrial Applications - EMEA



# SafeSite® LED Floodlight - ATEX / IECEx

## Standard Models



Patent pending

### Certifications & Ratings (All Models)

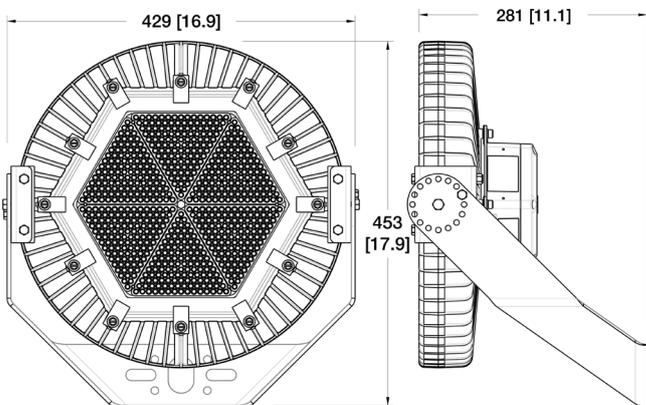
- ATEX / IECEx Zones 1, 21
- ATEX / IECEx Zones 2, 22
- CE
- IP66
- RoHS compliant

### Certifications & Ratings (IIB Models)

- Ex II 2 GB
- Ex db eb IIB T5 Gb
- Ex tb IIIC T100°C Db
- Certificate numbers: Sira 18ATEX1001X IECEx SIR 18.0001X

### Certifications & Ratings (IIB + H2 Models)

- Ex II 2 GD
- Ex d e IIB+H2 T4 Gb
- Ex tb IIIC 135°C
- Certificate numbers: Baseefa 12ATEX0070X IECEx BAS 12.0044X



Dimensions in mm (inches)

### Mechanical Information:

- Fixture weight:** 15.4 kg (34 lb)
- Mounting:** 316 stainless steel mounting bracket (included)
- Wiring options:** Factory fitted junction terminal box with 2 off M20 x 1.5mm or 2 off M25 x 1.5mm cable entries

### Electrical Specifications:

- Operating voltage:**
  - Standard Models: 100-277 VAC, 120-250 VDC
  - Hydrogen Models: 100-277 VAC
- Total system power consumption:** See table
- Operating temperature:** -40°C to +60°C
- Harmonics:** IEC 61000-3-2
- Surge protection:** Protection devices capable of handling up to 6kV. Tested for 6kV/2 ohm combination wave, as per IEEE C62.41, line-line and line-ground
- THD:** <20%
- Power factor:** > 0.9

### Construction:

- Housing:** Copper-free aluminum
- Finish:** Superior dual coat finish
  - Sealed polyester topcoat
  - Chemical resistant epoxy primer
- Lens:** Tempered glass (optional fragment retention film available)

### Photometric Information:

- CRI:** 80 typical
- CCT:** 5000K (cool white)  
4000K (neutral white)

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

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## Ordering Information

Platform Part Number	Part Number	Hydrogen Environment	Fixture Lumens	Typical Wattage	lm/W	Voltage	Colour Temperature (CCT)	Lens	Beam Distribution
<b>Standard Models</b>									
FSA-7MC2-EDEN-NGN	FLA9MC4PN-JNG		25,900	185	140	100-277 VAC, 120-250 VDC	5000K (cool white)	Tempered Glass	Medium
FSA-7WC2-EDEN-NGN	FLA9RC4PN-JNG		25,900	185	140	100-277 VAC, 120-250 VDC	5000K (cool white)	Tempered Glass	Wide
FSA-76C2-EDEN-NGN	FLA9NC4PN-JNG		25,900	185	140	100-277 VAC, 120-250 VDC	5000K (cool white)	Tempered Glass	Narrow
FSA-7MC2-CDEN-NGN	FLA9MC4KN-JNG		18,600	130	143	100-277 VAC, 120-250 VDC	5000K (cool white)	Tempered Glass	Medium
FSA-7WC2-CDEN-NGN	FLA9RC4KN-JNG		18,600	130	143	100-277 VAC, 120-250 VDC	5000K (cool white)	Tempered Glass	Wide
FSA-76C2-CDEN-NGN	FLA9NC4KN-JNG		18,600	130	143	100-277 VAC, 120-250 VDC	5000K (cool white)	Tempered Glass	Narrow
FSA-7MC2-BDEN-NGN	FLA9MC4GN-JNG		14,000	100	140	100-277 VAC, 120-250 VDC	5000K (cool white)	Tempered Glass	Medium
FSA-7WC2-BDEN-NGN	FLA9RC4GN-JNG		14,000	100	140	100-277 VAC, 120-250 VDC	5000K (cool white)	Tempered Glass	Wide
FSA-76C2-BDEN-NGN	FLA9NC4GN-JNG		14,000	100	140	100-277 VAC, 120-250 VDC	5000K (cool white)	Tempered Glass	Narrow
FSA-7MC2-ADEN-NGN	FLA9MC4DN-JNG		10,950	80	137	100-277 VAC, 120-250 VDC	5000K (cool white)	Tempered Glass	Medium
FSA-7WC2-ADEN-NGN	FLA9RC4DN-JNG		10,950	80	137	100-277 VAC, 120-250 VDC	5000K (cool white)	Tempered Glass	Wide
FSA-76C2-ADEN-NGN	FLA9NC4DN-JNG		10,950	80	137	100-277 VAC, 120-250 VDC	5000K (cool white)	Tempered Glass	Narrow
<b>Hydrogen Models</b>									
	FLH9MC4PN-JNG	•	23,500	212	110	110-277 VAC	5000K (cool white)	Tempered Glass	Medium
	FLH9RC4PN-JNG	•	23,500	212	110	110-277 VAC	5000K (cool white)	Tempered Glass	Wide
	FLH9NC4PN-JNG	•	23,500	212	110	110-277 VAC	5000K (cool white)	Tempered Glass	Narrow
	FLH9MC4KN-JNG	•	16,000	144	111	100-277 VAC	5000K (cool white)	Tempered Glass	Medium
	FLH9RC4KN-JNG	•	16,000	144	111	100-277 VAC	5000K (cool white)	Tempered Glass	Wide
	FLH9NC4KN-JNG	•	16,000	144	111	100-277 VAC	5000K (cool white)	Tempered Glass	Narrow
	FLH9MC4GN-JNG	•	12,500	112	111	100-277 VAC	5000K (cool white)	Tempered Glass	Medium
	FLH9RC4GN-JNG	•	12,500	112	111	100-277 VAC	5000K (cool white)	Tempered Glass	Wide
	FLH9NC4GN-JNG	•	12,500	112	111	100-277 VAC	5000K (cool white)	Tempered Glass	Narrow
	FLH9MC4DN-JNG	•	9,650	88	110	100-277 VAC	5000K (cool white)	Tempered Glass	Medium
	FLH9RC4DN-JNG	•	9,650	88	110	100-277 VAC	5000K (cool white)	Tempered Glass	Wide
	FLH9NC4DN-JNG	•	9,650	88	110	100-277 VAC	5000K (cool white)	Tempered Glass	Narrow

All values typical unless otherwise stated, Lumen values are typical (tolerance +/- 10%).

For optional glass fragment retention film, change the 11th character from an N to an F. Example: FLA9MC4PN-JNG becomes FLA9MC4PN-JFG

**DISCLAIMER:** All information provided is, to the best of Dialight's knowledge, accurate as of the date of publication, but is subject to change without notice and does not form part of any contract with Dialight. When ordering please refer to [www.dialight.com](http://www.dialight.com) for current versions of: (a) relevant product documentation (including the most up to date product data sheets); (b) Dialight terms and conditions of sale; and, (c) the relevant product warranty. All information provided is, to Dialight's knowledge, accurate at the date of publication, but is subject to change without notice and does not form part of any contract with Dialight. In the event of any discrepancy between this document and information provided on our website, the latter shall prevail.

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## Mounting Options & Beam Distribution Patterns



**HBXSBK**

- Sand blast kit (flat lens)

**HBXSBL**

- Sacrificial flat lens

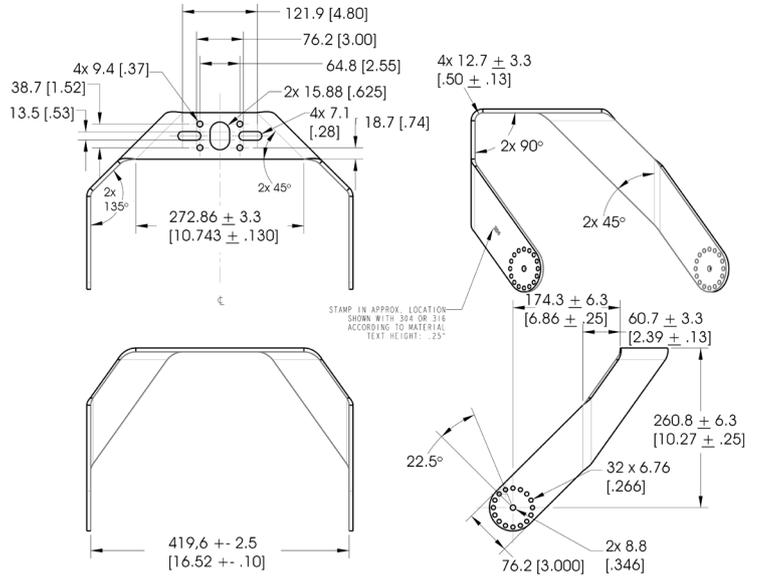


**HBXSBDK**

- Sand blast kit (dome lens)

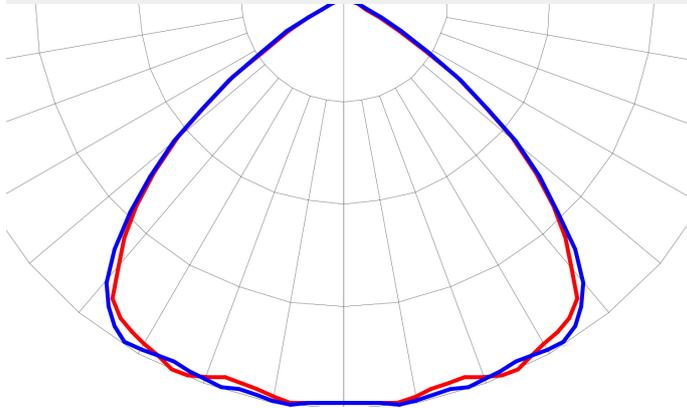
**HBXSBDL**

- Sacrificial dome lens

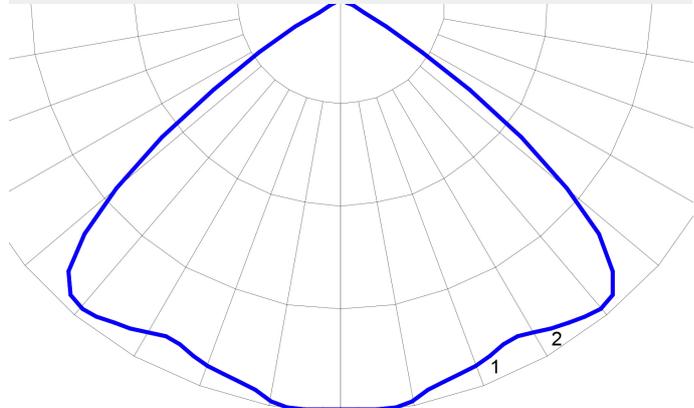


Dimensions in mm (inches)

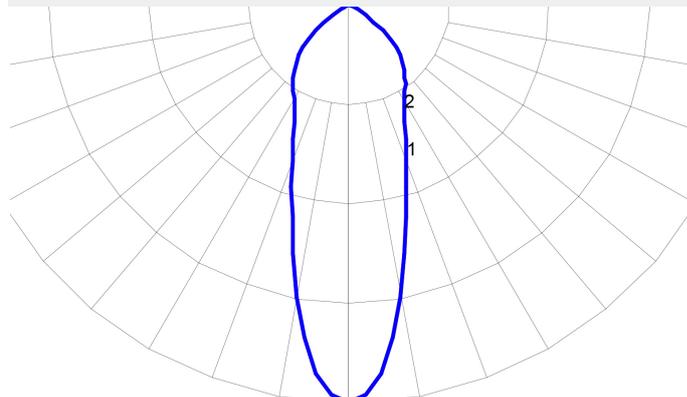
Medium Pattern



Wide Pattern



Narrow Pattern



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