

# .....Dialight



**SafeSite<sup>®</sup> LED Floodlight - ATEX / IECEx**  
for Outdoor Industrial Applications - APAC



AUGUST 2020



## Features & Benefits

- 10 year warranty
- L70 rated for >150,000 hours @ 25°C ambient
- Low power consumption
- Instant on/off
- Mercury free
- No UV or IR
- Resistant to shock and vibration
- Superior colour rendition index compared to HPS, LPS, MV
- Optional glass retention film available

## Application

The Dialight SafeSite<sup>®</sup> LED Floodlight luminaire was designed specifically to replace conventional lighting in a wide variety of outdoor hazardous area applications. Its low profile light weight design and versatile mounting options make it ideal for Floodlight applications for ATEX and IECEx classified hazardous area zones. Dialight's long life LED luminaires are designed to meet the most demanding specification criteria while offering maximum energy savings, reduced maintenance costs, and a superior quality of light.

## SafeSite® LED Floodlight - ATEX / IECEx Standard Models



Patent pending

### Certifications & Ratings (All Models)

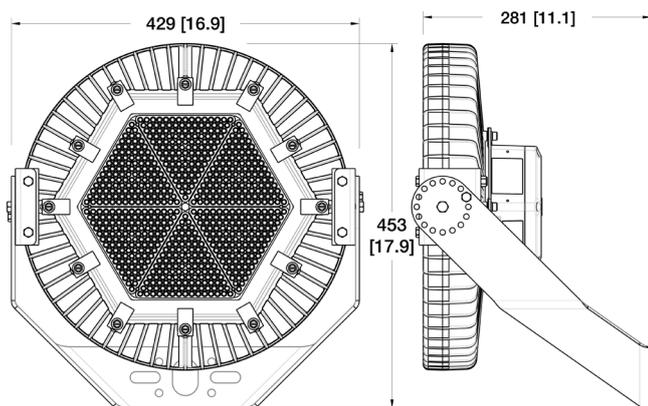
- ATEX / IECEx Zones 1, 21
- ATEX / IECEx Zones 2, 22
- CE
- IP66
- RoHS compliant

### Certifications & Ratings (IIB Models)

- Ex II 2 GB
- Ex db eb op is IIB T5 Gb
- Ex tb op is 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:

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

### Electrical Specifications:

<b>Operating voltage:</b>	
Standard Models:	100-277 VAC, 120-250 VDC
Hydrogen Models:	100-277 VAC
<b>Total system power consumption:</b>	See table
<b>Operating temperature:</b>	-40°C to +60°C
<b>Harmonics:</b>	IEC 61000-3-2
<b>Surge protection:</b>	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
<b>THD:</b>	<20%
<b>Power factor:</b>	> 0.9
<b>Construction:</b>	
<b>Housing:</b>	Copper-free aluminum
<b>Finish:</b>	Superior dual coat finish - Sealed polyester topcoat - Chemical resistant epoxy primer
<b>Lens:</b>	Tempered glass (optional fragment retention film available)
<b>Photometric Information:</b>	
<b>CRI:</b>	80 typical
<b>CCT:</b>	4000K (neutral white)
All values typical unless otherwise stated (tolerance +/- 10%)	

**WARNING - INSTALLATION & SECONDARY RETENTION.** Use of any Dialight products without proper installation (including secondary retention / netting) and periodic inspections could cause severe injury or death. Dialight recommends that all installations should use secondary retention / netting (appropriate to the installation environment) where applicable. It is the exclusive responsibility of the contractor, installer and/or end-user to: (a) determine the suitability of the product for its intended application; and, (b) ensure that the product is safely installed (with secondary retention / netting where appropriate) and in compliance with all applicable laws and regulations. To the extent permissible under applicable laws, Dialight disclaims all liability for personal injury and/or other damage resulting from any dislodgment or other dislocation of its products.

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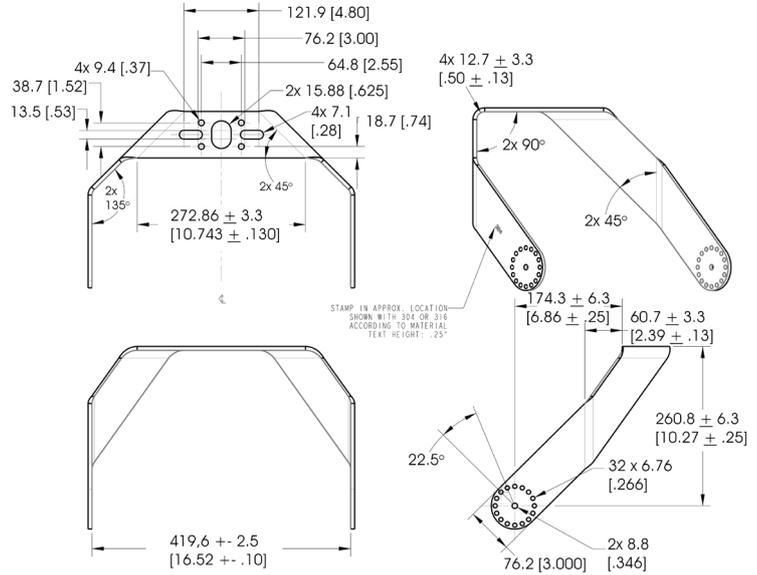
### Mounting Options & Beam Distribution Patterns



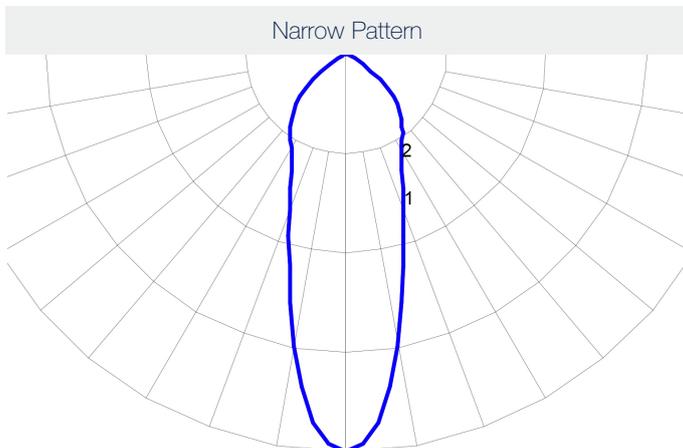
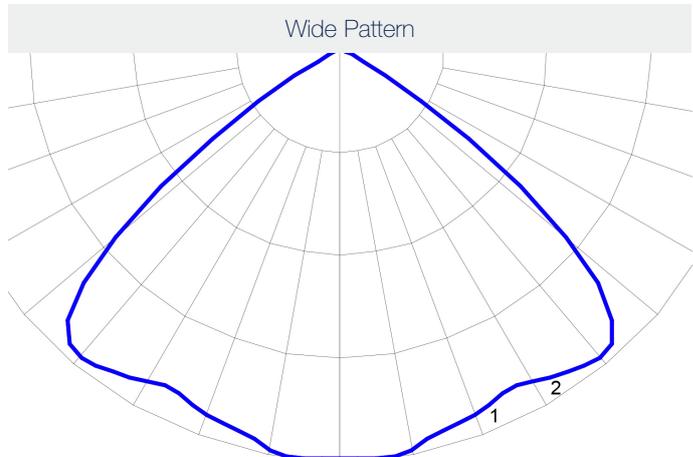
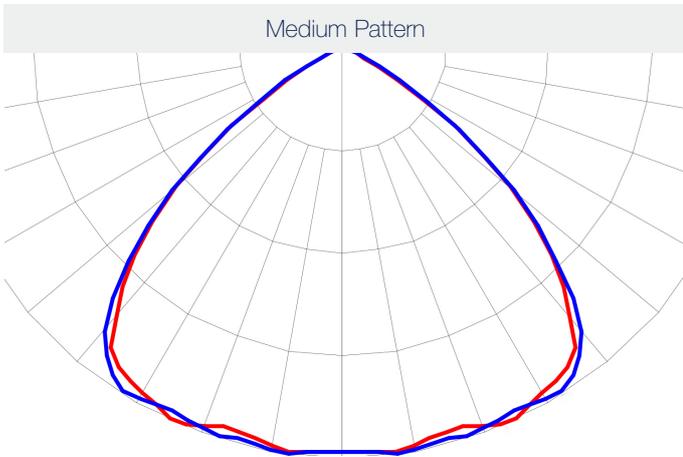
- HBXSBK**
- Sand blast kit (flat lens)
- HBXSBL**
- Sacrificial flat lens



- HBXSBDK**
- Sand blast kit (dome lens)
- HBXSBDL**
- Sacrificial dome lens



Dimensions in mm (inches)



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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
Standard Models									
FSA-7MN2-EDVN-NGN	FLA9MN4PN-JNG		20,810	148	141	100-277 VAC, 120-250 VDC	4000K (neutral white)	Tempered Glass	Medium
FSA-76N2-EDVN-NGN	FLA9NN4PN-JNG		20,810	148	141	100-277 VAC, 120-250 VDC	4000K (neutral white)	Tempered Glass	Narrow
FSA-7MN2-CDVN-NGN	FLA9MN4KN-JNG		15,890	113	141	100-277 VAC, 120-250 VDC	4000K (neutral white)	Tempered Glass	Medium
FSA-76N2-CDVN-NGN	FLA9NN4KN-JNG		15,890	113	141	100-277 VAC, 120-250 VDC	4000K (neutral white)	Tempered Glass	Narrow
Hydrogen Models									
	FLH9MN4PN-JNG	•	23,500	212	110	110-277 VAC	4000K (neutral white)	Tempered Glass	Medium
	FLH9NN4PN-JNG	•	23,500	212	110	110-277 VAC	4000K (neutral white)	Tempered Glass	Narrow
	FLH9MN4KN-JNG	•	16,000	144	111	100-277 VAC	4000K (neutral white)	Tempered Glass	Medium
	FLH9NN4KN-JNG	•	16,000	144	111	100-277 VAC	4000K (neutral 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  
 For additional ordering colour temperatures and optical patterns, please consult the factory.

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### WARNING / DISCLAIMERS:

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**Product specifications & warranties.** All product information provided is, to the best of Diallight's knowledge, accurate as of the date of publication. All values and performance data herein are design or typical values when measured under laboratory conditions. The information herein is subject to change without notice. The products / software detailed herein are subject to applicable warranties and terms and conditions of use/purchase. Unless agreed otherwise in writing by an authorized representative of Diallight, Diallight does not represent that its products are fit for any particular purpose and accepts no liability for the installation and/or unauthorised use of its products. When ordering, refer to [www.dialight.com](http://www.dialight.com) for current versions of: (a) relevant product documentation (including relevant product data sheets); (b) Diallight terms and conditions of sale; and, (c) the relevant product warranties. To the extent that any contract is deemed formed between Diallight and the purchaser of Diallight products and/or an end-user, versions of documents available at [www.dialight.com](http://www.dialight.com) as at the date of sale shall be the versions incorporated therein. In the event of any discrepancy between this document and information provided at [www.dialight.com](http://www.dialight.com), the latter shall prevail.

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