

.....Dialight



SafeSite® LED Floodlight - ATEX / IECEx

for Outdoor Industrial Applications - APAC



SEPTEMBER 2023



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® 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)

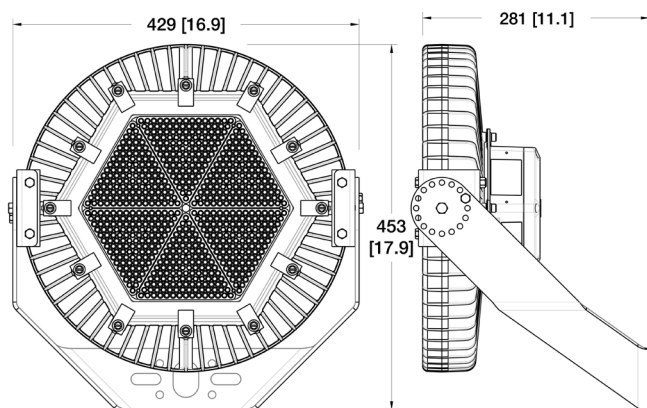
- ATEX / IECEx Zones 1, 21
- ATEX / IECEx Zones 2, 22
- CE
- IP66
- RoHS compliant

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:

Fixture weight:	15.4 kg (34 lb)
Mounting:	316 stainless steel mounting bracket (included)
Wiring options:	Factory fitted junction terminal box with 4mm WAGO 862 Terminal Block. M25 x 1.5mm cable entries x 2

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:	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

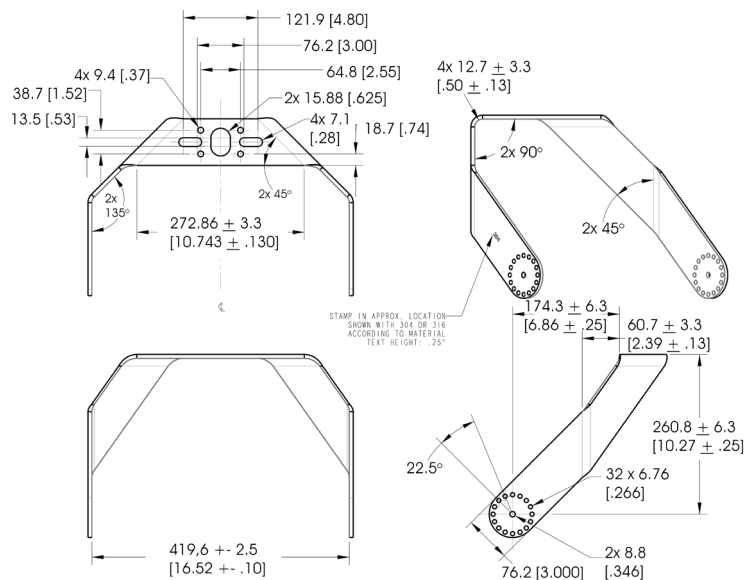


HBXSBDK

- Sand blast kit (dome lens)

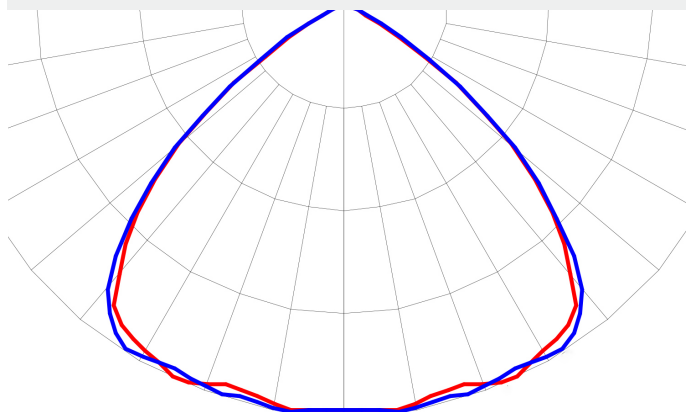
HBXSBDL

- Sacrificial dome lens

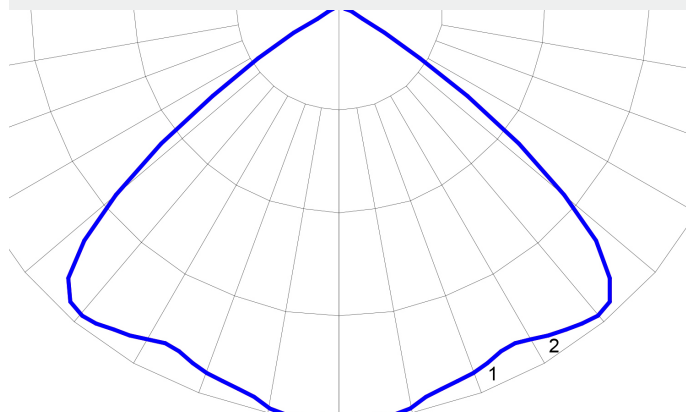


Dimensions in mm (inches)

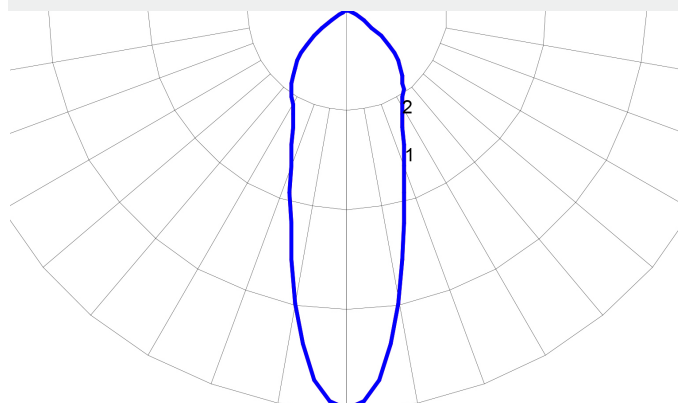
Medium Pattern



Wide Pattern



Narrow Pattern



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Ordering Information

Platform Part Number	Part Number	Hydrogen Environ- ment	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-KNG		•	23,500	212	110	110-277 VAC	4000K (neutral white)	Tempered Glass	Medium
FLH9NN4PN-KNG		•	23,500	212	110	110-277 VAC	4000K (neutral white)	Tempered Glass	Narrow
FLH9MN4KN-KNG		•	16,000	144	111	100-277 VAC	4000K (neutral white)	Tempered Glass	Medium
FLH9NN4KN-KNG		•	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%).

Part numbers listed in bold are typically available in stock.

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:

Installation & secondary retention. The use of this product 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) as applicable. Dialight products are intended for ultimate purchase, installation and operation by knowledgeable persons trained in the functional assessment, installation, use and maintenance of such products and all customers (including but not limited to end customers) are responsible for assessing the suitability of Dialight products for any given installation requirement. 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 as appropriate) and in compliance with all applicable laws and regulations.

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