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.

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
SafeSite® LED Floodlight - ATEX / IECEx
Standard Models

Certifications & Ratings (All Models)
- ATEX / IECEx Zones 1, 21
- ATEX / IECEx Zones 2, 22
- CE
- IP65
- 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 de IIB+H2 T4 Gb
- Ex tb IIIC 135°C
- Certificate numbers: Baseefa 12ATEXCO70X
- IECEx BAS 12.0044X

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%)
SafeSite® LED Floodlight - ATEX / IECEx

Mounting Options & Beam Distribution Patterns

HBXSBDK
- Sand blast kit (dome lens)

HBXSBDL
- Sacrificial dome lens

HBXSBK
- Sand blast kit (flat lens)

HBXSBK
- Sacrificial flat lens

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## SafeSite® LED Floodlight - ATEX / IECEx

### Ordering Information

<table>
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<th>Platform Part Number</th>
<th>Part Number</th>
<th>Hydrogen Environment</th>
<th>Fixture Lumens</th>
<th>Typical Wattage</th>
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<th>Voltage</th>
<th>Colour Temperature (CCT)</th>
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FOR OPTIONAL GLASS FRAGMENT RETENTION FILM, CHANGE THE 11TH CHARACTER FROM AN 'N' TO AN 'F'. EXAMPLE: FLA9MC4PN-JNG becomes FLA9MC4PN-JFG

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