

# .....Dialight

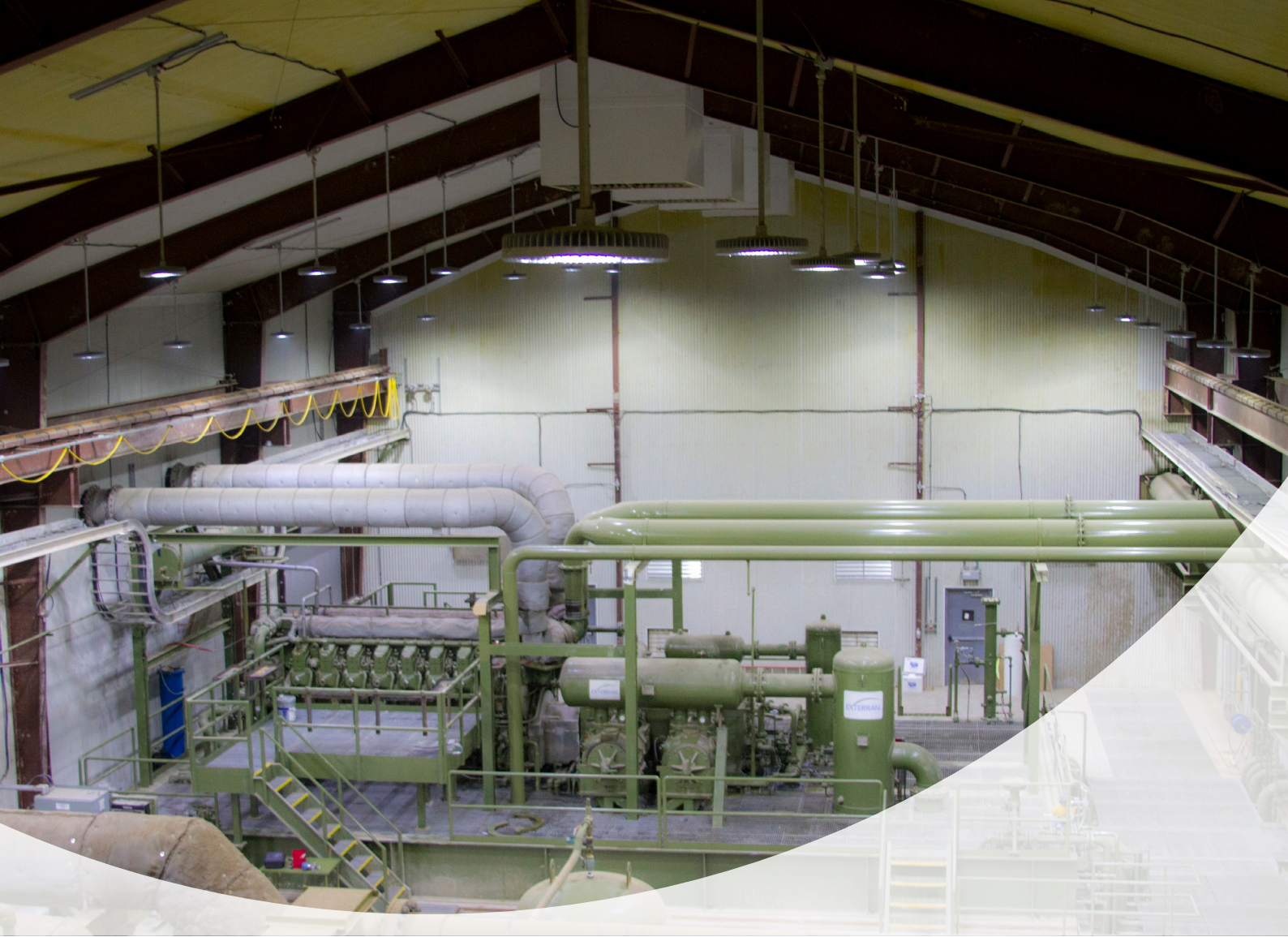


**SafeSite® LED High Bay - ATEX / IECEx - EMEA**  
for Outdoor Industrial Applications



October 2024





## 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

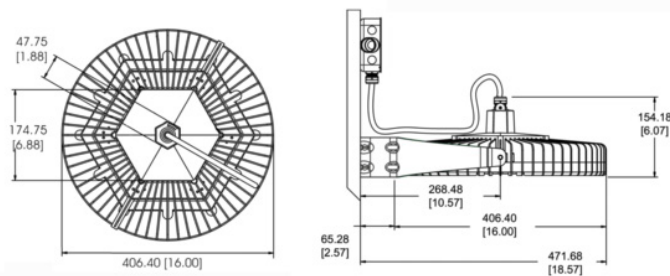
## Application

The Dialight SafeSite® LED High Bay luminaire was designed specifically to replace conventional lighting in a wide variety of indoor and outdoor hazardous area applications. Its low profile light weight design and versatile mounting options make it ideal for High Bay 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 High Bay - ATEX / IECEx Standard Models



Patent pending



Dimensions in mm (inches)

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

- Ex II 2 GD Ex d\* IIB+H2 T4 Gb  
Ex tb IIIC 135°C  
\*Add EX e for factory fitted junction box
- Certificate numbers:  
Baseefa 12ATEX0070X  
IECEx BAS 12.0044X

### Mechanical Information:

- Fixture weight:** 14.6 kg (31 lbs) with fixed cable
- Mounting:** Aluminium stirrup mounting bracket included
- Wiring options:** Factory installed 3 meter SWB cable

### Electrical Specifications:

- Operating voltage:**  
110 – 277V AC, 50/60Hz: 23,500lm models  
100 – 277V AC, 50/60Hz: 16,000lm and lower models
- 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:** 75
- CCT:** 5000K (cool white)  
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.

## SafeSite® LED High Bay - ATEX / IECEx

### Accessories & Mounting Options



#### HBXW3

- Aluminium swivel bracket (included with fixture)



#### HBXW3-SSL-304FT

- 304 stainless steel forward throw bracket

#### HBXW3-SSL-316FT

- 316 stainless steel forward throw bracket



#### HBXW3-SSL-316M

- 316 Stainless steel bracket

#### HBXW3-SSL-304M

- 304 Stainless steel bracket



#### HBXSBDK

- Sand blast kit (dome lens)

#### HBXSBDL

- Sacrificial dome lens



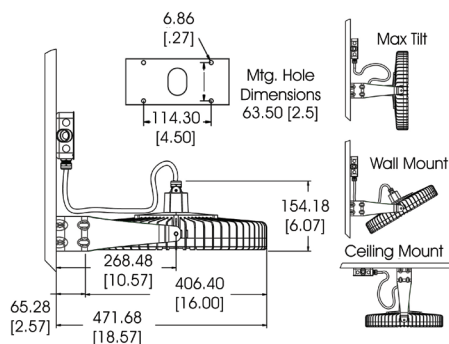
#### HBXSBK

- Sand blast kit (flat lens)

#### HBXSBL

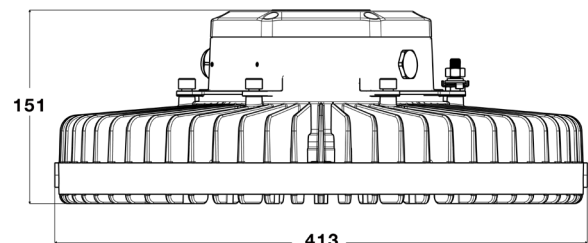
- Sacrificial flat lens

HBXW3 - Swivel Bracket Dimensions



Dimensions in mm

High Bay with Junction Box Dimensions



Dimensions in mm

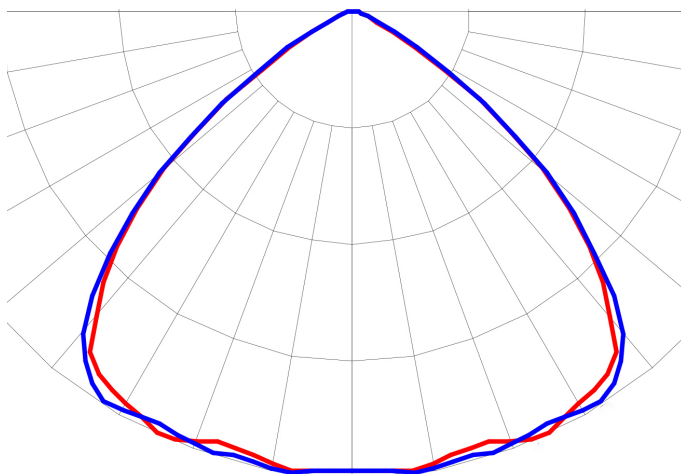
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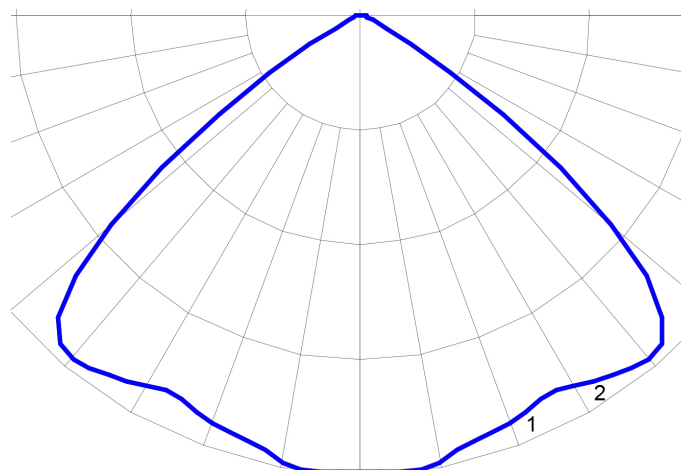
# SafeSite® LED High Bay - ATEX / IECEx

## Beam Distribution Pattern

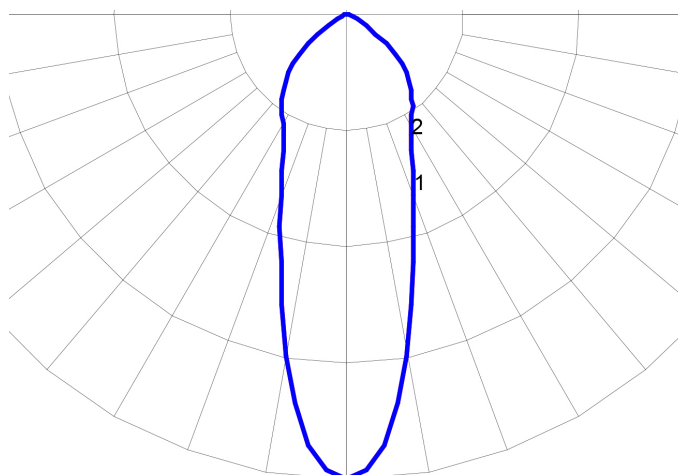
Medium Pattern



Wide Pattern



Narrow Pattern



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# SafeSite® LED High Bay - ATEX / IECEx

## Ordering Information - Hydrogen Environments

Part Number	Initial Fixture Lumens	Typical Wattage	Maximum Wattage	Lm/W	IP Rating	Voltage	Colour Temperature (CCT)	Lens	Beam Distribution
Hydrogen Environments - Standard Models									
HEH9MC4PN-KCG	23,500	212	N/A	110	N/A	110 - 277V AC	5000K (cool white)	Glass	Medium
HEH9MC4KN-KCG	16,000	144	N/A	110	N/A	110 - 277V AC	5000K (cool white)	Glass	Medium
HEH9MC4GN-KCG	12,500	112	N/A	110	N/A	110 - 277V AC	5000K (cool white)	Glass	Medium
HEH9MC4DN-KCG	9,650	88	N/A	110	N/A	100 - 277V AC	5000K (cool white)	Glass	Medium

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

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### WARNING / DISCLAIMERS:

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