SafeSite® LED High Bay - ATEX / IECEx
for Indoor and Outdoor Industrial Applications
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

Certifications & Ratings (All Models)
- ATEX / IECEx Zones 1, 21
- ATEX / IECEx Zones 2, 22
- CE

Certifications & Ratings (IIB Models)
- Ex II 2 GB
- Ex db eb op is IIB T6 Gb
- Ex tb op is IIC T100°C Db

Certifications & Ratings (IIB + H2 Models)
- Ex II 2 GD
- Ex d e IIB+H2 T4 Gb
- Ex tb IIC 135°C

Certifications & Ratings (IIB Models)
- Certificate numbers: Sira 18ATEX1001X
- IECEx SIR 18.0001X

Certifications & Ratings (IIB + H2 Models)
- Certificate numbers: Baseefa 12ATEX0070X
- IECEx BAS 12.0044X

Mechanical Information:
- Fixture weight:
  - Standard Models: 14.1 kg (31 lb)
  - Junction Box Models: 15.5 kg (34 lb)
- Mounting: Aluminum mounting bracket (included)
- Wiring options for Junction Box models: 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%)

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 & Beam Distribution Pattern

HBXW3-SSL-316M
- 316 stainless steel bracket

HBXW3
- Aluminium swivel bracket (included with fixture)

HBXSBDK
- Sand blast kit (dome lens)

HBXSBDL
- Sacrificial dome lens

HBXSBK
- Sand blast kit (flat lens)

HBXSBKL
- Sacrificial flat lens

Medium Pattern
### SafeSite® LED High Bay - ATEX / IECEEx

#### Ordering Information

<table>
<thead>
<tr>
<th>Current Part Number</th>
<th>Historic Part Number</th>
<th>Fixture Lumens</th>
<th>Wattage</th>
<th>Im/W</th>
<th>Voltage</th>
<th>Colour Temperature (CCT)</th>
<th>Lens</th>
<th>Beam Distribution</th>
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<tbody>
<tr>
<td><strong>IECEEx Standard Cabled Models</strong></td>
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<td>136</td>
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<td><strong>IECEEx Standard Junction Box Models</strong></td>
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All values typical unless otherwise stated (tolerance +/- 10%).

Part numbers listed in **bold** are typically available in stock.

Part numbers listed in the table above are neutral white. For cool white models, replace the 6th character with a **C**.

Part numbers listed in the table above are neutral white. For warm white models, replace the 6th character with a **W**.

Historical part number provided for reference only. For performance characteristics of historical product, please contact your local representative.

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