SafeSite® LED High Bay - High Efficiency - ATEX / IECEx
for Outdoor Industrial Applications
The Dialight SafeSite® LED High Bay luminaire was designed specifically to replace conventional lighting in a wide variety of indoor & 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
- ABS Design Assessed: (pending)
- IP66
- RoHS compliant

Certifications & Ratings (IIB Models)
- Ex II 2 GD Ex d IIB T4 Gb
  Ex tb IIIC 135°C
  *Add EX e for factory fitted junction box
- Certificate numbers:
  Baseefa 10ATEX0148X
  IECEx BAS 10.0074X

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
  16.1 kg (34 lbs) with junction box
- Mounting: 316 stainless steel strap
  mounting bracket included
- Wiring options: Factory installed 3 meter SWB cable
  or 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:
  110–277 VAC, 50/60Hz: 23,500lm models
  100–277 VAC, 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.

www.dialight.com
SafeSite® LED High Bay - High Efficiency - ATEX / IECEx
Mounting Options & Accessories

HBXW3-SS
- 316 stainless steel 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

HBXSBK
- Sand blast kit (flat lens)

HBXSBL
- Sacrificial flat lens

HBXW3-SSL-304FT
- Sand blast kit (dome lens)

HBXSBKL
- Sacrificial dome lens

HBXW3 - Swivel Bracket Dimensions
High Bay with Junction Box Dimensions

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Beam Distribution

Medium Pattern

Narrow Pattern

Wide Pattern

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www.dialight.com
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### DISCLAMER

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For optional glass fragment retention film, change the 11th character from C to F. Example: HEA9MC4PN-BCG becomes HEA9MC4PN-FCG

Junction box models come standard with M25 entries. For M20 entries change the 10th character from K to J. Example: HEA9MC4PN-KCG becomes HEA9MC4PN-JCG
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Junction box models come standard with M25 entries. For M20 entries change the 10th character from K to J. Example: HEA9MC4PN-KCG become HEA9MC4PN-JCG

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www.dialight.com
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.

Product specifications & warranties. All product information provided is, to the best of Dialight’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 Dialight, Dialight 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 for current versions of: (a) relevant product documentation (including relevant product data sheets); (b) Dialight terms and conditions of sale; and, (c) the relevant product warranties. To the extent that any contract is deemed formed between Dialight and the purchaser of Dialight products and/or an end-user, versions of documents available at 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, the latter shall prevail.

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