



SafeSite[®] LED High Bay - High Efficiency - ATEX / IECEx - EMEA

for Indoor and Outdoor Industrial Applications



JULY 2025

SafeSite® LED High Bay - High Efficiency - ATEX / IECEx



Certifications & Ratings (All Models)

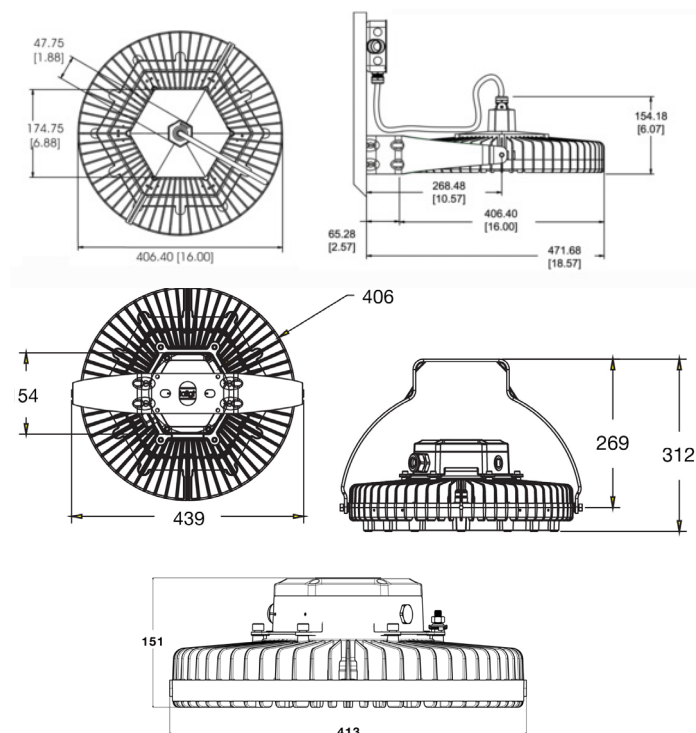
- 10 year warranty
- ATEX / IECEx Zones 1, 21
- ATEX / IECEx Zones 2, 22
- CE
- RoHS compliant
- L70 rated for >150,000 hours @ 25°C ambient
- Certificate numbers: Sira 18ATEX1001X IECEx SIR 18.0001X

Certifications (Junction Box Models)

- Standard Models - ATEX/IECEx
Ex db eb IIB T5 Gb
Ex tb IIIC T100°C Db
Ta = -40°C to +60°C
- Hydrogen Models
Ex db eb IIB+H₂ T5 Gb
Ex tb IIIC T100°C Db
Ta = -40°C to +60°C

Certifications (Corded Models)

- Standard Models - ATEX/IECEx
Ex db IIB T5 Gb
Ex tb IIIC T100°C Db
Ta = -40°C to +60°C
- Hydrogen Models
Ex db IIB+H₂ T5 Gb
Ex tb IIIC T100°C Db
Ta = -40°C to +60°C



Dimensions in mm (inches)

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.

Mechanical Information:

- Fixture weight:** 14.6 kg (31 lb) with fixed cable
15.5 kg (34 lb) with junction box
- Mounting:** Aluminum mounting bracket (included)
- Wiring options for Junction Box models:** Factory installed 3 meter SWB cable or factory fitted junction box with 2 off M25 x 1.5mm cable entries

Electrical Specifications:

- Operating voltage:** 100-277 VAC, 120-250 VDC
- Dimming:** DALI 1.0 and 2.0 compatible (HWA models only)
- 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%)

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Ordering Information

Current Part Number	Historic Part Number	Fixture Lumens	Wattage	lm/W	Voltage	Colour Temperature (CCT)	Lens	Beam Distribution
ATEX / IECEx Standard Junction Box Models								
HWA-7MC2-EAAN-NGN	HEA9MC4PN-KCG	25,900	185	140	100-277 VAC, 120-250 VDC	Cool White 5000K	Clear Tempered Glass	Medium
HWA-7WC2-EAAN-NGN	HEA9RC4PN-KCG	25,900	185	140	100-277 VAC, 120-250 VDC	Cool White 5000K	Clear Tempered Glass	Wide
HWA-7NC2-EAAN-NGN	HEA9NC4PN-KCG	25,900	185	140	100-277 VAC, 120-250 VDC	Cool White 5000K	Clear Tempered Glass	Narrow
HWA-7MC2-CAAN-NGN	HEA9MC4KN-KCG	18,600	130	143	100-277 VAC, 120-250 VDC	Cool White 5000K	Clear Tempered Glass	Medium
HWA-7WC2-CAAN-NGN	HEA9RC4KN-KCG	18,600	130	143	100-277 VAC, 120-250 VDC	Cool White 5000K	Clear Tempered Glass	Wide
HWA-7NC2-CAAN-NGN	HEA9NC4KN-KCG	18,600	130	143	100-277 VAC, 120-250 VDC	Cool White 5000K	Clear Tempered Glass	Narrow
HWA-7MC2-BAAN-NGN	HEA9MC4GN-KCG	14,000	100	140	100-277 VAC, 120-250 VDC	Cool White 5000K	Clear Tempered Glass	Medium
HWA-7WC2-BAAN-NGN	HEA9RC4GN-KCG	14,000	100	140	100-277 VAC, 120-250 VDC	Cool White 5000K	Clear Tempered Glass	Wide
HWA-7NC2-BAAN-NGN	HEA9NC4GN-KCG	14,000	100	140	100-277 VAC, 120-250 VDC	Cool White 5000K	Clear Tempered Glass	Narrow
HWA-7MC2-AAAN-NGN	HEA9MC4DN-KCG	10,950	80	137	100-277 VAC, 120-250 VDC	Cool White 5000K	Clear Tempered Glass	Medium
HWA-7WC2-AAAN-NGN	HEA9RC4DN-KCG	10,950	80	137	100-277 VAC, 120-250 VDC	Cool White 5000K	Clear Tempered Glass	Wide
HWA-7NC2-AAAN-NGN	HEA9NC4DN-KCG	10,950	80	137	100-277 VAC, 120-250 VDC	Cool White 5000K	Clear Tempered Glass	Narrow
ATEX / IECEx Standard Corded Models								
HEA-7MC2-ENAW-NGN	HEA9MC4PN-BCG	25,900	185	140	100-277 VAC, 120-250 VDC	Cool White 5000K	Clear Tempered Glass	Medium
HEA-7WC2-ENAW-NGN	HEA9RC4PN-BCG	25,900	185	140	100-277 VAC, 120-250 VDC	Cool White 5000K	Clear Tempered Glass	Wide
HEA-7NC2-ENAW-NGN	HEA9NC4PN-BCG	25,900	185	140	100-277 VAC, 120-250 VDC	Cool White 5000K	Clear Tempered Glass	Narrow
HEA-7MC2-CNAW-NGN	HEA9MC4KN-BCG	18,600	130	143	100-277 VAC, 120-250 VDC	Cool White 5000K	Clear Tempered Glass	Medium
HEA-7WC2-CNAW-NGN	HEA9RC4KN-BCG	18,600	130	143	100-277 VAC, 120-250 VDC	Cool White 5000K	Clear Tempered Glass	Wide
HEA-7NC2-CNAW-NGN	HEA9NC4KN-BCG	18,600	130	143	100-277 VAC, 120-250 VDC	Cool White 5000K	Clear Tempered Glass	Narrow
HEA-7MC2-BNAW-NGN	HEA9MC4GN-BCG	14,000	100	140	100-277 VAC, 120-250 VDC	Cool White 5000K	Clear Tempered Glass	Medium
HEA-7WC2-BNAW-NGN	HEA9RC4GN-BCG	14,000	100	140	100-277 VAC, 120-250 VDC	Cool White 5000K	Clear Tempered Glass	Wide
HEA-7NC2-BNAW-NGN	HEA9NC4GN-BCG	14,000	100	140	100-277 VAC, 120-250 VDC	Cool White 5000K	Clear Tempered Glass	Narrow
HEA-7MC2-ANAW-NGN	HEA9MC4DN-BCG	10,950	80	137	100-277 VAC, 120-250 VDC	Cool White 5000K	Clear Tempered Glass	Medium
HEA-7WC2-ANAW-NGN	HEA9RC4DN-BCG	10,950	80	137	100-277 VAC, 120-250 VDC	Cool White 5000K	Clear Tempered Glass	Wide
HEA-7NC2-ANAW-NGN	HEA9NC4DN-BCG	10,950	80	137	100-277 VAC, 120-250 VDC	Cool White 5000K	Clear Tempered Glass	Narrow

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

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

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

DISCLAIMER: All information provided is, to the best of Dialight's knowledge, accurate as of the date of publication, but is subject to change without notice and does not form part of any contract with Dialight. When ordering please refer to www.dialight.com for current versions of: (a) relevant product documentation (including the most up to date product data sheets); (b) Dialight terms and conditions of sale; and, (c) the relevant product warranty. All information provided is, to Dialight's knowledge, accurate at the date of publication, but is subject to change without notice and does not form part of any contract with Dialight. In the event of any discrepancy between this document and information provided on our website, the latter shall prevail.

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Ordering Information

Current Part Number	Historic Part Number	Fixture Lumens	Wattage	lm/W	Voltage	Colour Temperature (CCT)	Lens	Beam Distribution
Hydrogen Area Junction Box Models								
HWH-7MC2-EAAN-NGN	HEH9MC4PN-KCG	25,900	185	140	100-277 VAC, 120-250 VDC	Cool White 5000K	Clear Tempered Glass	Medium
HWH-7MC2-CAAN-NGN	HEH9MC4KN-KCG	18,600	130	143	100-277 VAC, 120-250 VDC	Cool White 5000K	Clear Tempered Glass	Medium
HWH-7MC2-BAAN-NGN	HEH9MC4GN-KCG	14,000	100	140	100-277 VAC, 120-250 VDC	Cool White 5000K	Clear Tempered Glass	Medium
HWH-7MC2-AAAN-NGN	HEH9MC4DN-KCG	10,950	80	137	100-277 VAC, 120-250 VDC	Cool White 5000K	Clear Tempered Glass	Medium
Hydrogen Area Corded Models								
HEH-7MC2-ENAW-NGN	HEH9MC4PN-BCG	25,900	185	140	100-277 VAC, 120-250 VDC	Cool White 5000K	Clear Tempered Glass	Medium
HEH-7MC2-CNAW-NGN	HEH9MC4KN-BCG	18,600	130	143	100-277 VAC, 120-250 VDC	Cool White 5000K	Clear Tempered Glass	Medium
HEH-7MC2-BNAW-NGN	HEH9MC4GN-BCG	14,000	100	140	100-277 VAC, 120-250 VDC	Cool White 5000K	Clear Tempered Glass	Medium
HEH-7MC2-ANAW-NGN	HEH9MC4DN-BCG	10,950	80	137	100-277 VAC, 120-250 VDC	Cool White 5000K	Clear Tempered Glass	Medium

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

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

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

Junction Box part numbers listed in the tables above include M25 cable entries. For M20 entries, change the 12th character from N to **M**.

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Accessories & Beam Distribution Pattern



HBXW3-SSL-316M

- 316 stainless steel bracket



HBXW3

- Aluminium swivel bracket (included with fixture)

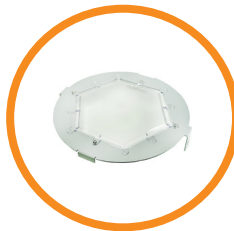


HBXSBDK

- Sand blast kit (dome lens)

HBXSBDL

- Sacrificial dome lens



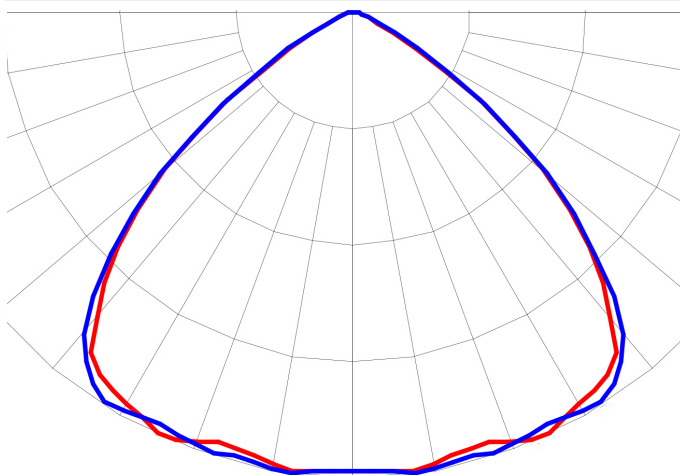
HBXSBL

- Sand blast kit (flat lens)

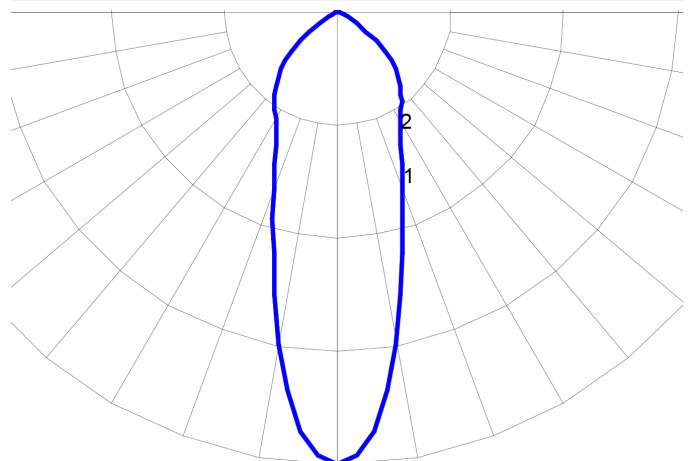
HBXSBL

- Sacrificial flat lens

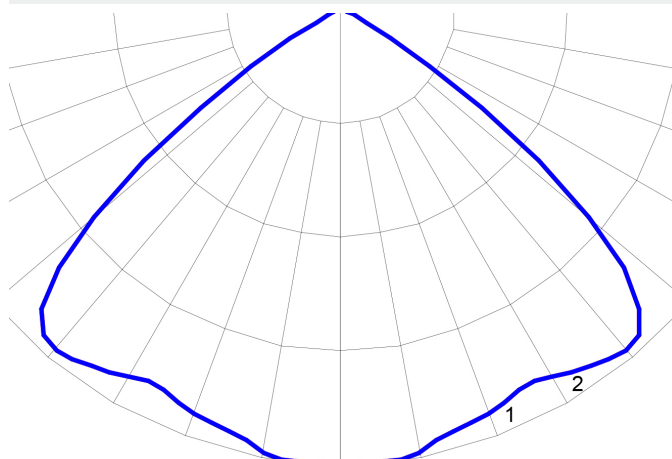
Medium Pattern



Narrow Pattern



Wide Pattern



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WARNING / DISCLAIMERS:

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