

SafeSite® LED High Bay

Technical Specification



Certifications & Ratings (All Models)

- IECEx/ATEX Zones 1, 21
- IECEx/ATEX Zones 2, 22
- CE
- ABS Design Assessed: (pending)
- IP66
- IK10
- RoHS compliant
- HEA IECEx BAS 10.0074X BaseefaATEX0148X
- HEH IECEx BAS 12.0044X Baseefa12ATEX0070X

Certifications & Ratings (IIB Models)

- Ex II 2 GD Ex d* IIB T4 Gb Ex tb III C 135°C

*Add EX e for factory fitted junction box

Certifications & Ratings (IIB + Hydrogen Models)

- Ex II 2 GD Ex d* IIB+H2 T4 Gb Ex tb III C 135°C

*Add EX e for factory fitted junction box

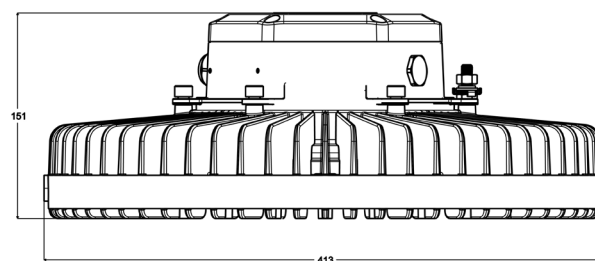
Mechanical Information	
Fixture weight:	14.1 kg (31 lbs) with fixed cable 15.4 kg (34 lbs) with junction box
Mounting:	Stainless steel stirrup mounting bracket (included)
Wiring options:	M25 x 2
Terminals:	4mm ² x 6
Temperature Ratings	
Ambient Temperature Range T4	
-40°C to +65°C	

Specifications			
Voltage options:		Housing:	Copper-free aluminium
100-277 VAC	16,000lm & lower models	Lens:	Tempered glass (optional fragment retention available)
110-277 VAC	23,000lm models		
Operating temp:	-40°C to +65°C	Finish:	Superior dual coat finish - Sealed polyester topcoat - Chemical-resistant epoxy prime
Power factor:	>0.9	CRI:	75 typical
THD:	<20%	CCT:	5000K (cool white)
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		4000K (neutral white)

	Comparison		
	Warranty	L70	T-Rating
Dialight LED High Bay	10yr	>150,000	T4
Metal Halide	1	15,000	T2
High Pressure Sodium	1	20,000	T2

Lumens	Wattage	lm/W	Mounting Heights
23,500	212	110	12m
16,000	144	110	↕
12,500	112	110	
9,650	88	110	5m

Dimensions



Dimension in mm

When ordering please refer our website www.dialight.com to view the current versions of all relevant product documentation, including the most up-to-date product data sheets. For the avoidance of doubt, in the event of any discrepancy between the contents of this document and information provided on our website, the information provided on our website shall prevail.

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Ordering Information & Mounting Accessories

Part Number	Lumens	Wattage	lm/W	Voltage	Colour Temperature (CCT)	Lens	Beam Distribution
Junction Box Models							
HEA9MC4PN-KCG	23,500	212	110	110-277 VAC	5000K (cool white)	Glass	Medium
HEA9NC4PN-KCG	23,500	212	110	110-277 VAC	5000K (cool white)	Glass	Narrow
HEA9MC4KN-KCG	16,000	144	110	100-277 VAC	5000K (cool white)	Glass	Medium
HEA9NC4KN-KCG	16,000	144	110	100-277 VAC	5000K (cool white)	Glass	Narrow
HEA9MC4GN-KCG	12,500	112	110	100-277 VAC	5000K (cool white)	Glass	Medium
HEA9NC4GN-KCG	12,500	112	110	100-277 VAC	5000K (cool white)	Glass	Narrow
HEA9MC4DN-KCG	9,650	88	110	100-277 VAC	5000K (cool white)	Glass	Medium
HEA9NC4DN-KCG	9,650	88	110	100-277 VAC	5000K (cool white)	Glass	Narrow

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

Models in chart above are 5000K CCT. For 4000K CCT change the 6th character from C to N & deduct 3% from the lumen table.

For optional glass fragment retention film, change the 11th character from a C to a E.

Junction box models come standard with M25 entries. For M20 cable entries and leaded versions please consult local Dialight sales office for availability.



HBXW3

- "Powder-coated aluminium swivel bracket (included with fixture)



HBXSBK

- Sand blast kit (flat lens)

HBXSBL

- Sacrificial flat lens



HBXW3-SSL-316M

- 316 Stainless steel bracket

HBXW3-SSL-304M

- 304 Stainless steel bracket



HBXSBDK

- Sand blast kit (dome lens)

HBXSBDL

- Sacrificial dome lens



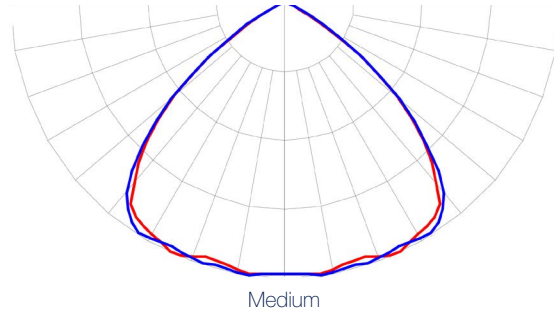
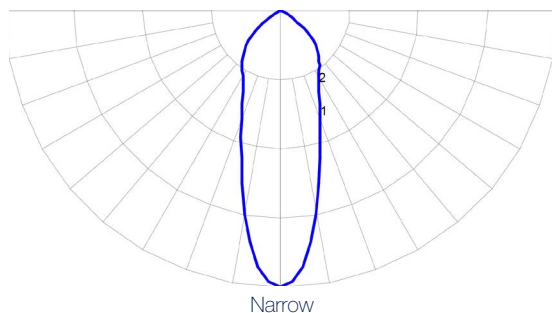
HBXW3-SSL-304FTM

- 304 Stainless steel forward throw bracket

HBXW3-SSL-316FTM

- 316 Stainless steel forward throw bracket

Beam Distribution



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