Dialight

SafeSite® LED High Bay - ATEX / IECEx - APAC

for Indoor and Outdoor Industrial Applications

JUNE 2020

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

Certifications & Ratings (All Models)

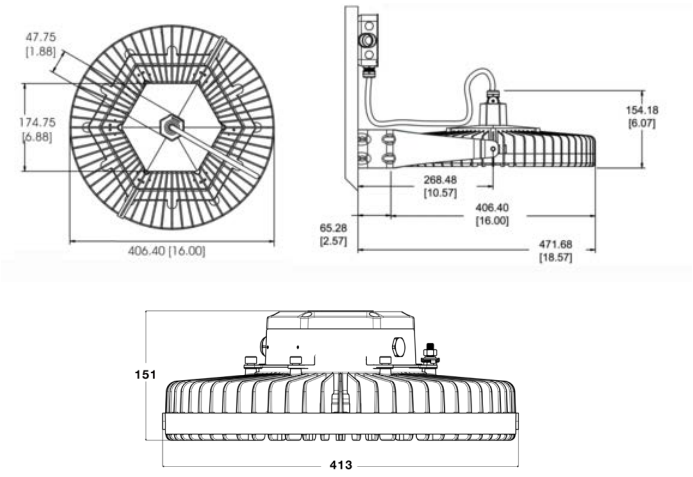
- ATEX / IECEx Zones 1, 21
- ATEX / IECEx Zones 2, 22
- CE
- IP66
- RoHS compliant

Certifications & Ratings (IIB Models)

- Ex II 2 GB
- Ex db eb op is IIB T5 Gb
  Ex tb op is IIIC T100°C Db
- Certificate numbers:
  Sira 18ATEX1001X
  IECEx SIR 18.0001X

Certifications & Ratings (IIB + H2 Models)

- Ex II 2 GD
  Ex d e IIB+H2 T4 Gb
  Ex tb IIIC 135°C
- Certificate numbers:
  Baseefa 12ATEX0070X
  IECEx BAS 12.0044X



Dimensions in mm (inches)

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%)

SafeSite® LED High Bay - ATEX / IECEx

Accessories & Beam Distribution Pattern

HBXW3-SSL-316M
- 316 stainless steel bracket

HBXW3
- Aluminium swivel bracket (included with fixture)

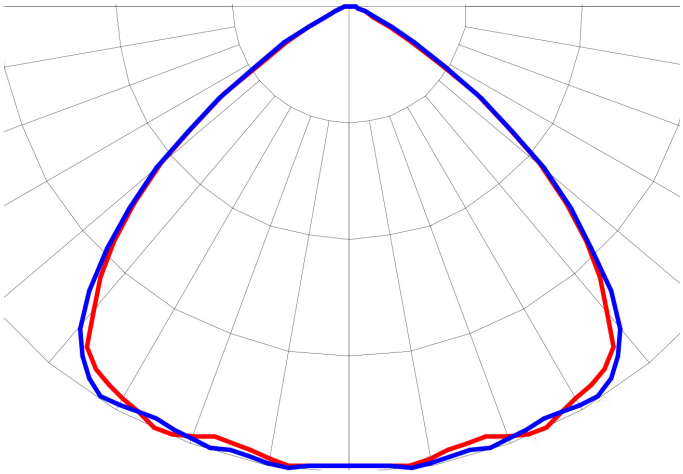
HBXSBDK
- Sand blast kit (dome lens)

HBXSBDL
- Sacrificial dome lens

HBXSBK
- Sand blast kit (flat lens)

HBXSBL
- Sacrificial flat lens

Medium Pattern



SafeSite® LED High Bay - ATEX / IECEx

Ordering Information

Current Part Number	Historic Part Number	Fixture Lumens	Wattage	lm/W	Voltage	Colour Temperature (CCT)	Lens	Beam Distribution
IECEx Standard Cabled Models								
HEA7MN2ANA-WNGN	HEA9MN4DN-BCG	7,870	58	136	100-277 VAC, 120-250 VDC	Neutral White 4000K	Clear Tempered Glass	Medium
HEA7MN2BNA-WNGN	HEA9MN4GN-BCG	10,570	77	137	100-277 VAC, 120-250 VDC	Neutral White 4000K	Clear Tempered Glass	Medium
HEA7MN2CNA-WNGN	HEA9MN4KN-BCG	15,890	113	141	100-277 VAC, 120-250 VDC	Neutral White 4000K	Clear Tempered Glass	Medium
HEA7MN2ENA-WNGN	HEA9MN4PN-BCG	20,810	148	141	100-277 VAC, 120-250 VDC	Neutral White 4000K	Clear Tempered Glass	Medium
IECEx Standard Junction Box Models								
HWA7MN2ADA-NNGN	HEA9MN4DN-KCG	7,870	58	136	100-277 VAC, 120-250 VDC	Neutral White 4000K	Clear Tempered Glass	Medium
HWA7MN2BDA-NNGN	HEA9MN4GN-KCG	10,570	77	137	100-277 VAC, 120-250 VDC	Neutral White 4000K	Clear Tempered Glass	Medium
HWA7MN2CDA-NNGN	HEA9MN4KN-KCG	15,890	113	141	100-277 VAC, 120-250 VDC	Neutral White 4000K	Clear Tempered Glass	Medium
HWA7MN2EDA-NNGN	HEA9MN4PN-KCG	20,810	148	141	100-277 VAC, 120-250 VDC	Neutral White 4000K	Clear Tempered Glass	Medium
IECEx Hydrogen Area Junction Box Models								
HEH9MN4KN-KCG	HEH9MC4PN-JNG	16,000	144	111	100-277 VAC, 120-250 VDC	Neutral White 4000K	Clear Tempered Glass	Medium
HEH9MN4PN-KCG	HEH9MC4PN-JNG	23,500	212	111	100-277 VAC, 120-250 VDC	Neutral White 4000K	Clear Tempered Glass	Medium
CID2 Standard Cabled Models								
HED7MN2ANN-WNGN	HEDGMC4DN-SNG	11,000	80	138	100-277 VAC, 120-250 VDC	Neutral White 4000K	Clear Tempered Glass	Medium
HED7MN2BNN-WNGN	HEDGMC4GN-SNG	13,750	102	135	100-277 VAC, 120-250 VDC	Neutral White 4000K	Clear Tempered Glass	Medium
HED7MN2CNN-WNGN	HEDGMC4KN-SNG	18,750	129	145	100-277 VAC, 120-250 VDC	Neutral White 4000K	Clear Tempered Glass	Medium
HED7MN2ENN-WNGN	HEDGMC4PN-SNG	26,000	186	140	100-277 VAC, 120-250 VDC	Neutral White 4000K	Clear Tempered Glass	Medium

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.

North American HQ
1501 Route 34 South
Farmingdale, NJ 07727
Tel: 732-919-3119
Fax: 732-751-5778
info@dialight.com

Dialight Europe Ltd
Leaf C, Level 36, Tower 42
25 Old Broad Street
London, EC2N 1HQ, United Kingdom
Tel: +44 (0) 203 058 3540
Customer Service: +44 (0) 163 866 6541
sales-emea@dialight.com

Middle East
Level 23 – Boulevard Plaza Tower 2
Emaar Boulevard, Dubai, U.A.E.
P.O. Box 124342
Tel: +971 (4) 409-6962
Fax: +971 (4) 409-6850

Australia
108 Howe Street
Osborne Park, WA 6017
Tel: +61 (0) 8 9244 7600
Fax: +61 (0) 8 9244 7601
info@dialight.com.au

Southeast Asia
33 Ubi Avenue 3
#07-72 Vertex (Tower A)
Singapore 408868
Tel: +65 6578 7157
Fax: +65 6578 7150
enquiry@dialight.com.sg

Brazil
Alameda Mercurio,
225 – American Park Empresarial NR
Indaiatuba – SP – 13347– 662
Tel: +55 (19) 3113-4300
Fax: +55 (19) 3113-4300
brasil@dialight.com