



SABER SERIES

INDUSTRIAL FIXTURES

Round High Bay



The SABER series is the latest addition by Aeralux to its strong portfolio of highbay fixtures. The SABER series comes with a smooth heatsink offering an unparalleled ease of clean. The SABER series is also IP65 rated making it an ideal solution for warehouses, retail stores.

Project: _____

Qty: _____

Notes: _____

OPERATING & ELECTRICAL

Input voltage 120-277V, 200-480V

Power factor 0.95

Total harmonic distortion (THD) <20%

Dimming 0-10V external dimming down to 10%

PERFORMANCE

Lumens per Watt 135 LPW at 80CRI

Power 100, 150, 200, 240W

Beam angle 120°

MECHANICAL & HOUSING

Housing Forged from die-cast aluminum alloy for superior heat dissipation, strength, and rigidity.

Lens Highly durable clear lens ensures high efficiency light output for a clean, evenly illuminated surface with minimal glare. High transmittance lens allowing for a smooth, diffused light pattern.

Finish

Black, white, custom*

Power Supply Factory wired electronic LED

LED Board Discrete LED

APPLICATION CONDITION

Ambient temperature range -40 to 45°C

Protection IP66 rated

COMPATIBLE MOUNTING

Mounting Suspended, ¾" NPT pole (with adapter), u-bracket

WARRANTY

System warranty 5 years

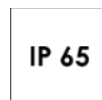
Lumen maintenance Rated for 70% initial lumen output at 100,000 hours of operation, operated at 25°C ambient temperature; per guidelines published by the Illuminating Engineering Society (IES). (L70 at 100,000 hours)

ORDERING GUIDE

EXAMPLE: AE-IL-SB-100W-UV-D-40-HK-BK

AE-IL-SB	-100W	-UV	-D	-40	-HK	-BK
FIXTURE FAMILY	POWER	VOLTAGE	CONTROLS	CCT	MOUNTING	FINISH
AE-IL-SB Aeralux Saber Series industrial fixtures round high bay	-100W 100 Watts: 13,500 lumens	-UV 120-277Vac input voltage range	-D 0-10V external dimming down to 10%	-35 3500K CCT	-HK Hook mount for suspension	-BK Black powder coat finish
	-150W 150 Watts: 20,250 lumens			-40 4000K CCT		
	-200W 200 Watts: 27,000 lumens	-HV 200-480Vac input voltage	-M Microwave motion sensor	-50 5000K CCT	-PM ¾" NPT pole mount adapter for pendant mount	-WH White powder coat finish
	-240W 240 Watts: 32,400 lumens				-UB U-bracket mount	-CS Custom RAL finish*

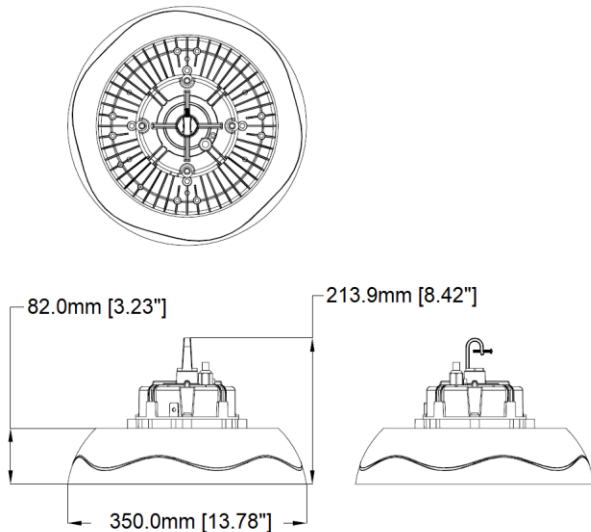
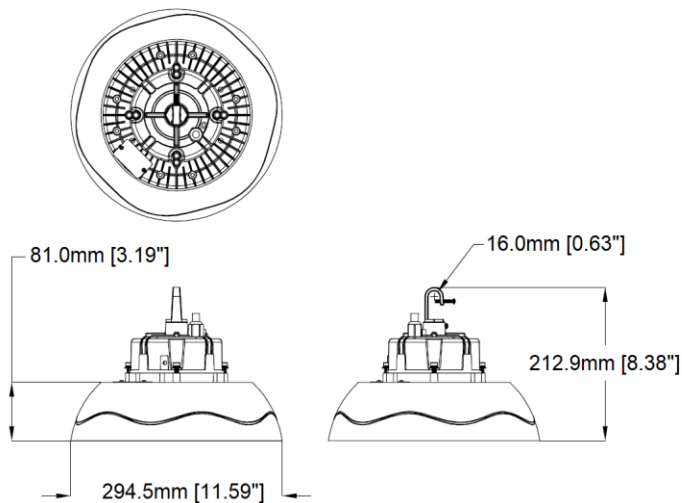
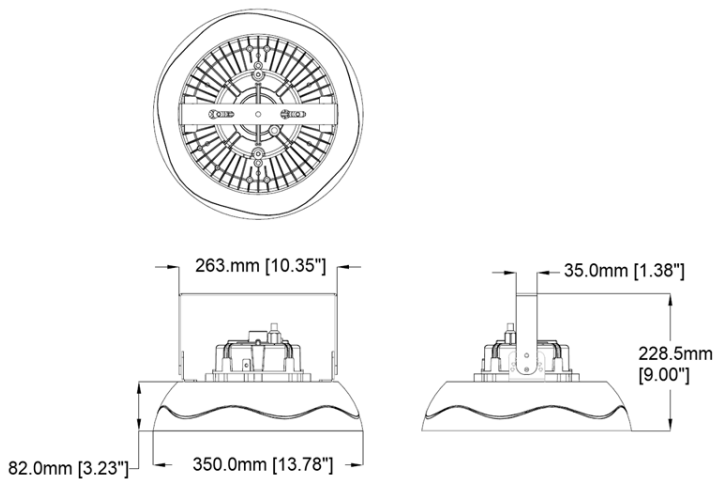
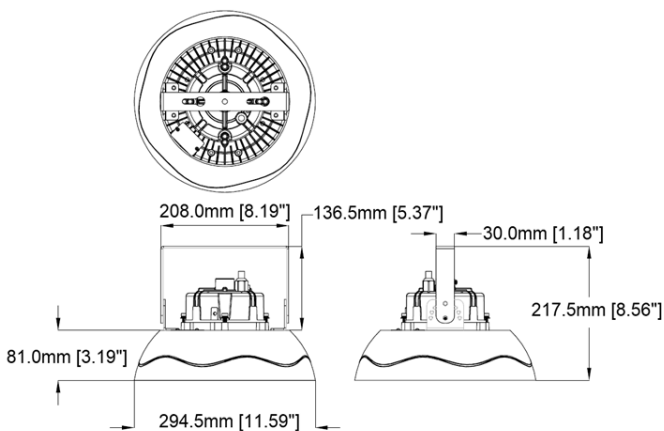
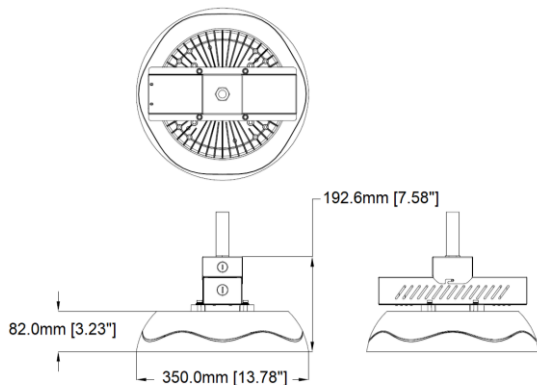
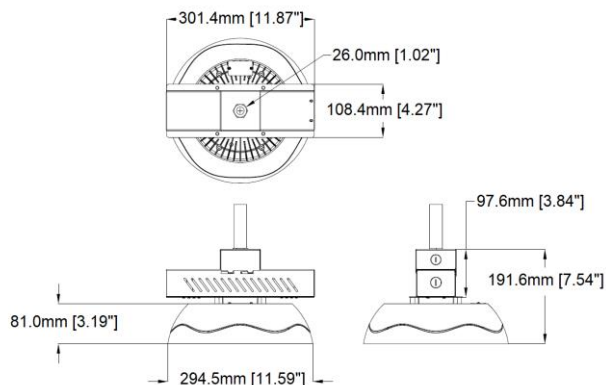
*Inquire about custom RAL finish and product lead times



PRODUCT DIMENSIONS

100W, 150W

200W, 240W



Aeralux Incorporation All Rights Reserved. Any information provided is subject to change without notice. All values are typical values when measured under normal laboratory conditions.



SABER SERIES

INDUSTRIAL FIXTURES

Round High Bay

ACCESSORIES

Ordered separately, field installed

REFLECTOR

AE-IL-SB-RFL-PC-100-150-60

AE-IL-SB-RFL-PC-200-240-60

AE-IL-SB-RFL-PC-200-240-90

Polycarbonate reflector 100-150W-60 degrees

Polycarbonate reflector 200-240W-60 degrees

Polycarbonate reflector 200-240W-90 degrees

LUMEN ESTIMATE

Lumen output varies based on CCT and CRI. An estimate of lumen output of the various CCT/CRI combinations, use correction factors as per table below:

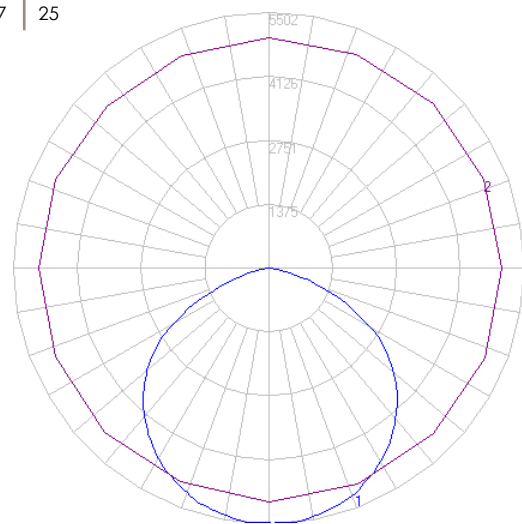
Lumen estimate adjustment factors				
CCT	2700K	3000K	3500K	4000K
NORMAL (80CRI)	0.91	0.94	0.97	1

PHOTOMETRIC DATA

AE-IL-SB-100W-UV-D-40-XX-XX

Coefficients of utilization												
Ceiling	80%				70%		50%		30%		0%	
Wall	70%	50%	30%	10%	50%	10%	50%	10%	50%	10%	0	
RCR	Zonal Cavity Method – Effective floor reflectance = 20%											
Room Cavity Ratio	0	119	119	119	119	116	116	111	111	106	106	100
	1	110	106	102	98	103	97	99	94	95	91	86
	2	100	93	86	81	91	80	87	78	84	76	73
	3	92	82	74	68	80	67	77	66	74	65	62
	4	84	73	64	58	71	57	69	56	66	56	53
	5	77	65	56	50	64	49	62	49	60	48	46
	6	71	58	50	43	57	43	56	43	54	42	40
	7	66	53	44	38	52	38	50	38	49	37	35
	8	61	48	40	34	47	34	46	34	45	33	31
	9	57	44	36	31	44	30	42	30	41	30	28
	10	54	41	33	28	40	28	39	27	38	27	25

Zonal lumen			
Zone	Lumens	Zone	Lumens
0-10	520.42	90-100	2.32
10-20	1499.79	100-110	4.21
20-30	2302.01	110-120	6.78
30-40	2817.54	120-130	8.05
40-50	2968.8	130-140	8.35
50-60	2660.93	140-150	7.37
60-70	1743.24	150-160	5.78
70-80	567.44	160-170	3.65
80-90	17.97	170-180	1.46



REFLECTOR

Add the polycarbonate reflector to your fixture to provide additional accented light to the surrounding area.



FINISH OPTIONS

Select from black, and white finishes or even a custom RAL colorway to make your UFO highbay unique.



MODERN MATERIALS

Aluminum die-cast ensures superior thermal heat dissipation providing long-lasting LED and driver function while increasing fixture housing strength.



MULTIPLE MOUNTING METHODS

Standard hook mount, or choose a U-bracket or 3/4" NPT pole mount adapter.

Aeralux Inc.
1111, Dr Frederik-Philips, Suite 202, Montreal, QC H4M 2X6, Canada
514 447 7598 | www.aeralux.com

Aeralux Incorporation All Rights Reserved. Any information provided is subject to change without notice. All values are typical values when measured under normal laboratory conditions.

aeralux