



SABER NATATORIUM SERIES

INDUSTRIAL FIXTURES

Round high bay



The Saber Natatorium series is the excellent solution for pool areas or locations with high level of humidity. This is a fixture where every component is selected for the pool area conditions ensuring a long-lasting product once installed. It also comes standard with a 10 feet power cord.

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 150, 200, 240W
Beam angle 120°

MECHANICAL & HOUSING

Housing Die-cast aluminum alloy for superior heat dissipation, strength, and rigidity.

Lens Highly durable frosted 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

Power Supply Black, white, custom*
Factory wired electronic LED driver

LED Board

Discrete LED

APPLICATION CONDITION

Ambient temperature range -40 to 45°C
Protection IP65 rated, Natatorium rated

COMPATIBLE MOUNTING

Mounting Suspended, 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)

Natatorium finish : Anodized Aluminium Housing, and PC Lens - to inhibit salt and chlorine corrosion - LED board coated with natatorium compatible finish for added protection

ORDERING GUIDE

EXAMPLE: AE-IL-SB-150W-UV-D-40-HK-BK-NAT

AE-IL-SB	-150W	-UV	-D	-35	-HK	-BK	-NAT
FIXTURE FAMILY	POWER	VOLTAGE	CONTROLS	CCT	MOUNTING	FINISH	APPLICATION
AE-IL-SB Aeralux Saber Series industrial fixtures round high bay	-150W 150 Watts: 20,250 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	-NAT Natatorium rated fixture
	-200W 200 Watts: 27,000 lumens	-HV 200-480Vac input voltage	-M Microwave motion sensor	-40 4000K CCT	-UB U-bracket mount	-WH White powder coat finish	
	-240W 240 Watts: 32,400 lumens			-50 5000K CCT			

*Inquire about custom RAL finish and product lead times





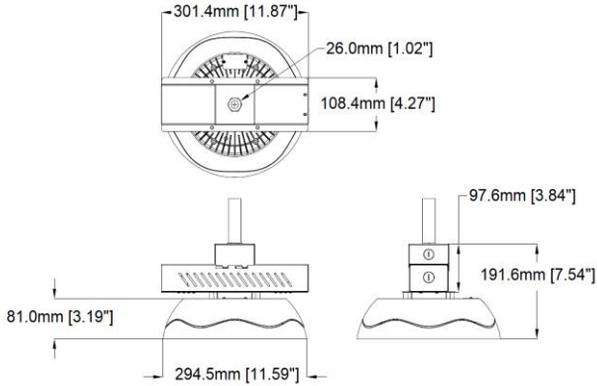
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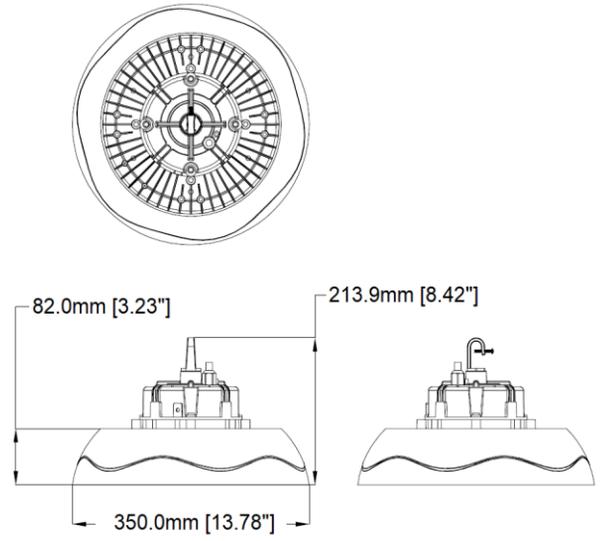
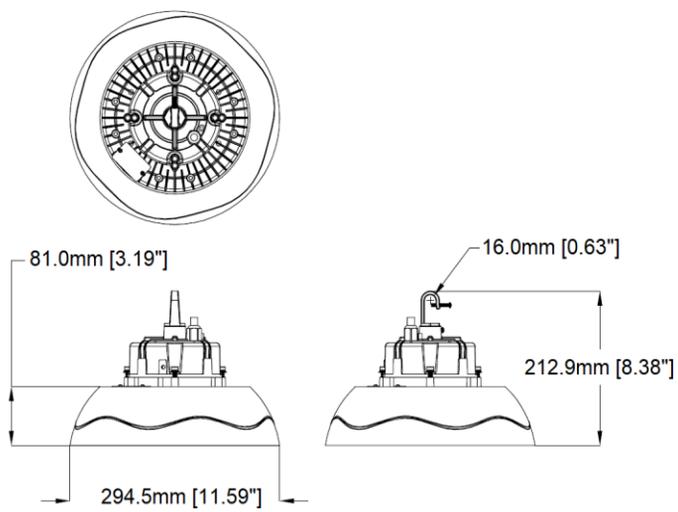
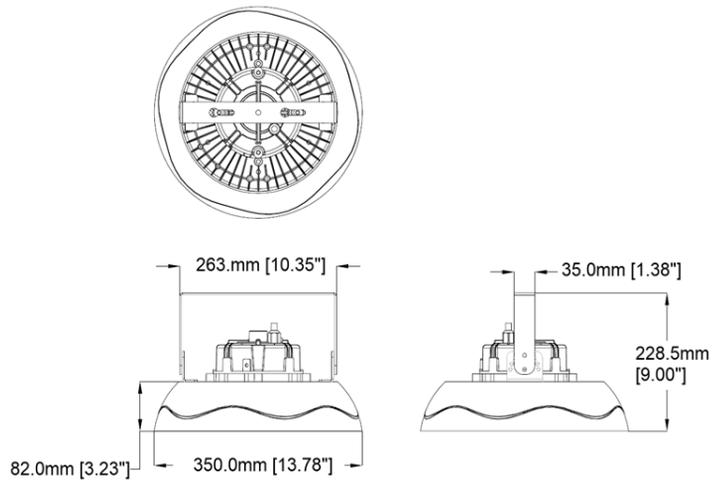
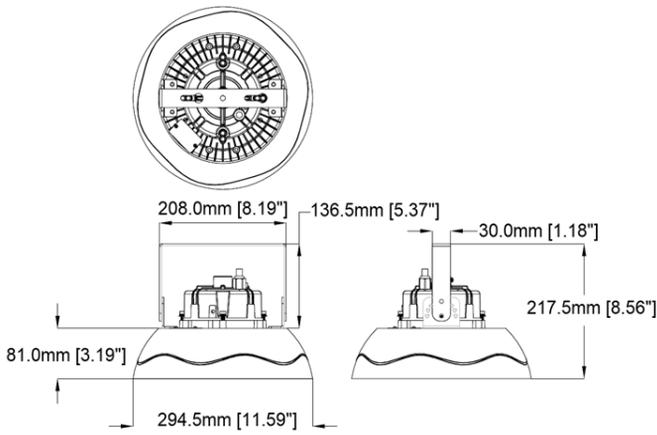
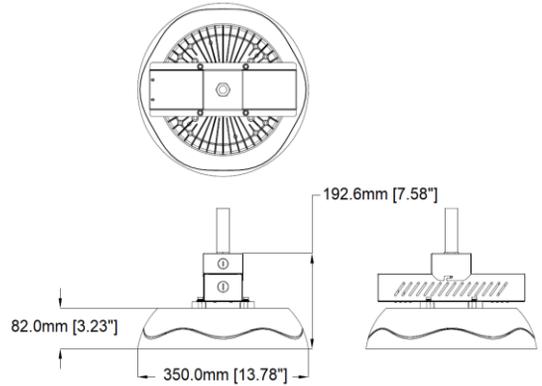
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PRODUCT DIMENSIONS

100W, 150W



200W, 240W



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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
AE-IL-SB-RFL-ALU-100-150-45
AE-IL-SB-RFL-ALU-200-240-45
AE-IL-SB-RFL-ALU-100-150-60
AE-IL-SB-RFL-ALU-200-240-60

Polycarbonate reflector 100-150W-60 degrees
Polycarbonate reflector 200-240W-60 degrees
Polycarbonate reflector 200-240W-90 degrees
Polycarbonate reflector 100-150W-45 degrees
Polycarbonate reflector 200-240W-45 degrees
Polycarbonate reflector 100-150W-60 degrees
Polycarbonate reflector 200-240W-60 degrees



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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:

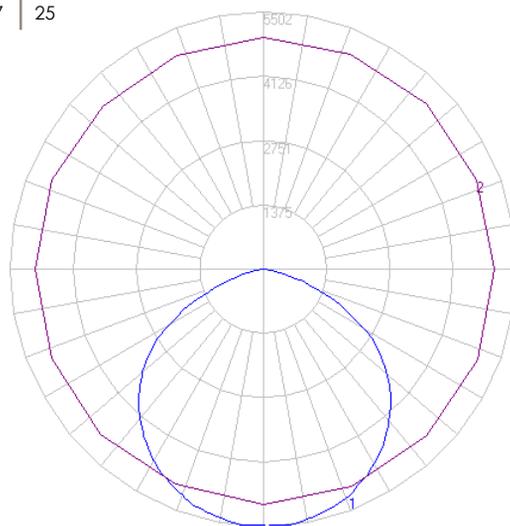
Lumen estimate adjustment factors				
CCT	2700K	3000K	3500K	4000K
NORMAL (80CRI)	0.91	0.94	0.97	1

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%										
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





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PROPER MATERIALS

Constructed from die-cast aluminum ensures proper thermal heat dissipation providing a longer lasting driver and LED life.

CORROSION RESISTANT

Anti-UV, corrosion resistant paint finish to resist cracking and fixture oxidation. All screws and bolts are 316 stainless steel.



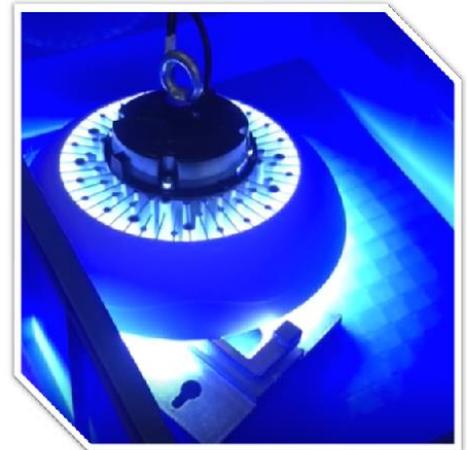
FROSTED LENS

Polycarbonate frosted lens prevents and reduces glare on water surface.



RIGOROUSLY TESTED

Fixture tested to withstand the harshest conditions.



Aeralux Inc.
1-514-447-7598 | 1-630-534-2589
www.aeralux.com

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