SB3

INDUSTRIAL FIXTURES

Round High Bay

The SB3 series is the latest addition by ERALUX to its strong portfolio of highbay fixtures with a white finish. This series features a 145 LPW performance made possible with the die cast aluminum design. It comes standard with the ability to upgrade to integrate motion sensor in the field. The SB3 series comes standard with CCT and Lumens Switchable capability; an ideal solution for warehouses, retail stores.

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5 YEARS WARRANTY eralux | UL CERTIFIED — LOOK FOR THE UL MARK FOR DETAILS | RoHS

DATE								
PROJECT NAME								
TYPE								
QTY								
ORDERING CODE	AE-IL-SB3-CA	-	-90	-3550	-HK1	-	-WH	

OPERATING & ELECTRICAL

INPUT VOLTAGE	120-347V
POWER FACTOR	0.9
DIMMING	0-10V
TOTAL HARMONIC DISTORTION (THD)	<20%

MECHANICAL & HOUSING

HOUSING	Aluminum Die Cast, Long lasting black with high durability
LENS	Pc optical lens
FINISH	Black, White
POWER SUPPLY	Factory wired electronic LED driver
LED BOARD	SMD

MOUNTING METHOD

MOUNTING	Hook Mounted Pole Mounted

PERFORMANCE

LUMENS PER WATT	145 LPW at 80CRI
POWER CONSUMPTION	100W/125W/150W selectable 150W/200W/240W selectable
BEAM ANGLE	Beam Angle 90˚

APPLICATION CONDITION

AMBIENT TEMPERATURE RANGE	-40 °C to 50°C
PROTECTION	IP65 Wet Rated

WARRANTY

SYSTEM WARRANTY – 5 YEARS

Eralux will warrant defective drivers, LEDs and boards for 5 years from the date of purchase. This warranty is valid only if the fixture is installed and used as per installation guides and specifications. If a defect is present, Eralux will send drivers and boards at no fee with a thorough replacement instructions along with instructions on the return of the defective parts back to Eralux.

LUMEN MAINTENANCE – L70 at 50,000 hours

Rated for 70% initial lumen output at 50,000 hours of operation, operated at 25˚C ambient temperature; per guidelines published by the Illuminating Engineering Society (IES)

DLC LISTED

"Not all product variations listed on this page are DLC qualified with the LUNA designation. Visit https://qpl.designlights.org/ to confirm qualification."

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ORDERING GUIDE

EXAMPLE: AE-IL-SB3-CA-240W-90-3550-HK1-WH

FIXTURE FAMILY	POWER	LIGHT EMITTING ANGLE	CCT	Mounting	CONTROLS	FINISH
AE-IL-SB3-CA	**-**	**-90**	**-3550**	**-**	**-**	**-WH**
AE-IL-SB3-CA SB3 Series industrial fixtures round high bay	**-150W** 150/120/85 Watts; Up to 22,000 lumens	**-90** 90-degree light emitting angle	**-3550** High Performance 3500K/4000K/5000K CCT Switchable	**-HK1** Hook Mounted	**-[LEAVE BLANK]** 0-10V Dimming	**-WH** White Finish
	-240W 240/190/140 Watts; Up to 35,000 lumens			**-PM** POLE Mounted	**-MS** Motion Sensor	

PRODUCT DIMENSIONS
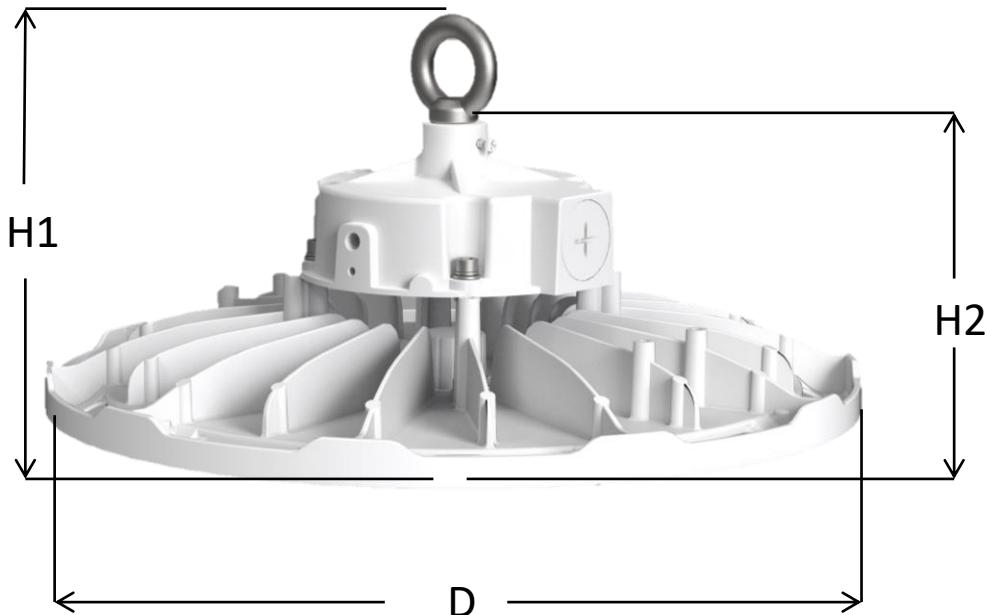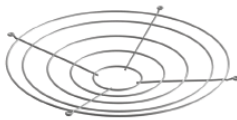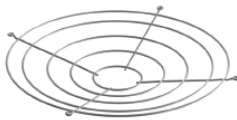
Power	Diameter (D)	Height 1 (H1)	Height 2(H2)
150W	10.2"(260 mm)	5.9"(154 mm)	4.1"(110 mm)
240W	13.4'' (340 mm)	6.1'' (164 mm)	4.3" (120 mm)

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ACCESSORIES

(Ordered separately)

| PART NUMBER	DESCRIPTION	PICTURE
AE-IL-SB2-CA-MSKIT	Microwave motion sensor	
AE-IL-SB2-CA-REMOTE-CTRL	Remote Control	
AE-IL-SB3-CA- POLE MOUNT	Saber 3 Series Pole Mount	
AE-IL-SB3-CA-HK	Stainless Steel Spring Hook. Used in wet areas (Above pools)	
AE-IL-SB3-CA-WIREGUARD-240W	Saber 3 Series Wire Guard for 240W	
AE-IL-SB3-CA-WIREGUARD-150W	Saber 3 Series Wire Guard for 150W	
AE-IL-SB3-RFL-PC-240W	Polycarbonate reflector 200-240W	
AE-IL-SB3-RFL-PC-150W	Polycarbonate reflector 150W	
AE-IL-SB3-RFLCVR-240W	Polycarbonate reflector **cover** 240W * Need AE-IL-SB3-RFL-PC-240W	
AE-IL-SB3-RFLCVR-150W	Polycarbonate reflector **cover**-150W * Need AE-IL-SB3-RFL-PC-150W	

DATE								
PROJECT NAME								
TYPE								
QTY								
ORDERING CODE	AE-IL-SB3-CA	-		-90	-3550	-HK1	-	-WH

MOTION SENSOR

Area Coverage

Height of installation 13-40ft
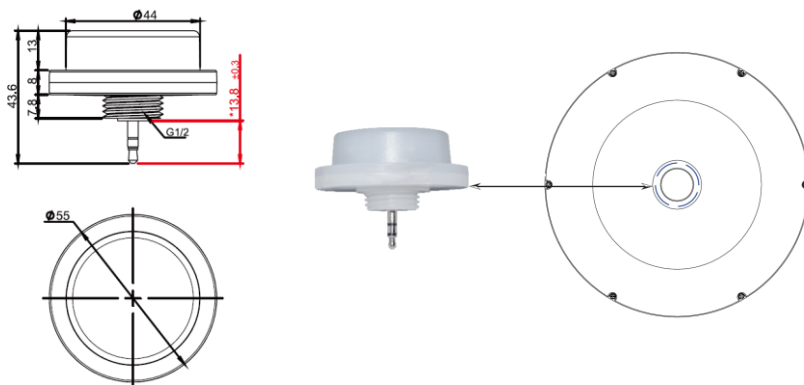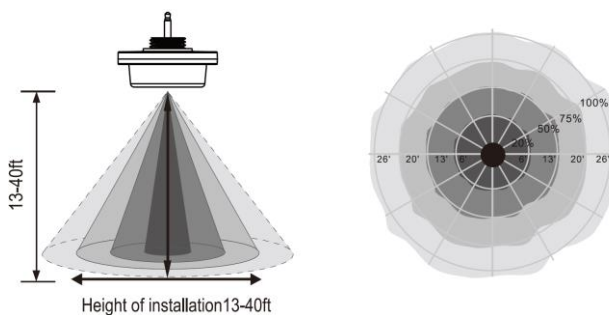
Factory mode

Factory Default Setting	
Sensitivity	100%
Hold on time	5 min
Daylight Sensor	ON
Dimming level	30%
Dimming time	30 min

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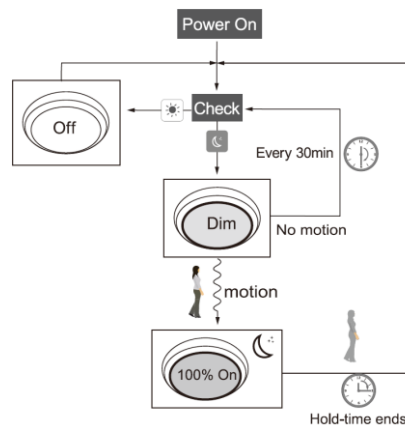
ACCESSORIES DIMENSIONS

Polycarbonate reflector
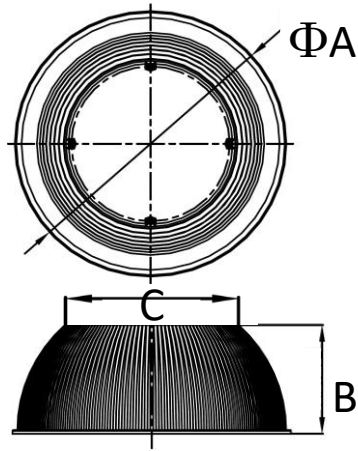
POWER	A	B	C
150W	412mm (16.22")	216mm (8.5")	271mm (10.66")
240W	480mm (18.89")	225mm (8.85")	328mm (12.91")

Wire guard
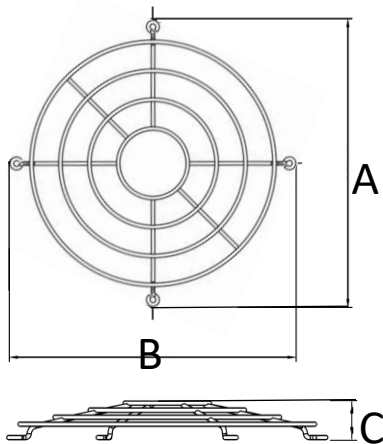
POWER	A	B	C
150W	247mm (9.72")	247mm (9.72")	27.5mm (1.08")
240W	314mm (12.36")	314mm (12.36")	28.2mm (1.11")

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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:
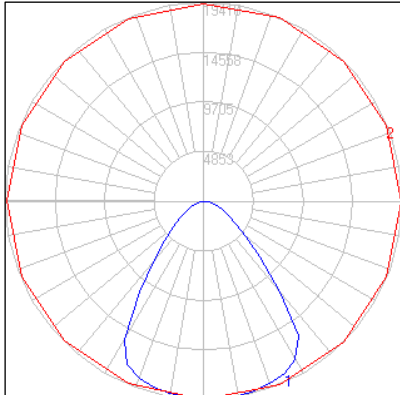
LUMEN ESTIMATE ADJUSTMENT FACTORS				
CCT	2700K	3000K	3500K	4000K
NORMAL (80CRI)	.96	1	1.03	1.06

PHOTOMETRIC DATA
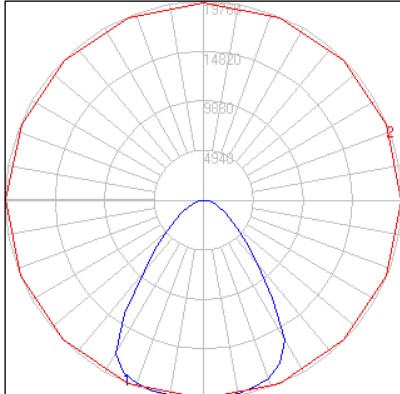
AE-TL-SB3-CA-240W-90-H-XX
- 3500K CCT
- 240 WATTS
- 120-347V

ZONAL LUMEN SUMMARY			POLAR LUMINOUS INTENSITY GRAPH
ZONE	**LUMENS**	**% OF FIXTURE**	
0-20°	7234.96	20.80	
0-30°	15574.46	44.70	
0-40°	23864.81	68.50	
0-60°	31987.73	91.80	
0-80°	34582.6	99.20	
0-90°	34776.32	99.80	

AE-TL-SB3-CA-240W-90-H-XX

- 5000K CCT
- 240 WATTS
- 120-347V

ZONAL LUMEN SUMMARY			POLAR LUMINOUS INTENSITY GRAPH
ZONE	**LUMENS**	**% OF FIXTURE**	
0-20°	7384.57	21.20	
0-30°	15856.49	45.50	
0-40°	23953.06	68.70	
0-60°	31914.56	91.60	
0-80°	34573.23	99.20	
0-90°	34765.53	99.70	

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OVERVIEW

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

FINISH OPTIONS
Nebula White Finish

VERSATILITY
Upgradeable for Motion sensor Integrated CCT and power watchability.
Designed with a 90-degree beam angle

WIDE RANGE OF OPERATING VOLTAGE
Operational from 120V to 277V and 347V

ACCESSORIES
SB3 can be accessorized by a reflector and a reflector cover.