SB2

INDUSTRIAL LED LIGHT

High Bay UFO | 150-240-300W

The SB2 series is a round high bay with power and CCT switchable. This series features 3 power packages; 100/125/150W, 150/200/240W, and 200/240/300W with 150 LPW performance. It comes with various accessories form reflector, reflector cover, wire guard to plug in motion sensor and EMBB. The SB2 has rating of NEMA 4X which is equivalent to IP66. In addition to natatorium option which means that the fixture can be placed in wet environment.

Application: Industrial, Manufacturing, Warehouse, High-bay applications, Pools.

eralux®

	DATE	QTY	ACC. QTY	TYPE
PROJECT				
PN				
ACCESSORY PN				
NOTES				

👆 DYNAMIC MENU

SPECIFICATIONS

Input Voltage	120-347V
Power Factor	>0.9
Total Harmonic Distortion	<20%
Dimming	0-10V Dimming
CRI	80 CRI
CCT	35K 40K 50K
Lumens Per Watt	~150 LPW
Power	100/125/150W 150/200/240W 300/240/200W
Ambient Temperature Range	-40 °C to 45°C
Distribution	110°
Mounting Options	Hook Pendant – ¾" NPT conduit
Options	Natatorium
Protection	NEMA 4x equivalent to IP66 Wet Rated 6KV Surge Protector

PRODUCT FEATURES

POWER SWITCHABLE | CCT SWITCHABLE | Emergency Backup Battery | Motion Senor

Wet Rated | NEMA 4X | Surge Protector

PRODUCT CERTIFICATIONS

5 YEARS WARRANTY eralux | RoHS | DLC LISTED PREMIUM | UL CERTIFIED LOOK FOR THE UL MARK FOR DETAILS | NSF | IK10

"Design Lights Consortium® (DLC) qualified product. Not all versions of this product may be DLC qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified" Page 5

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).

SB2

INDUSTRIAL LED LIGHT
High Bay UFO | 150-240-300W

eralux®

ORDERING GUIDE

| AE-IL-SB2-CA | | -110 | -H | | | |

AE-IL-SB2-CA	**-150W**	**-110**	**-H**	**[BLANK]**	**[BLANK]**	**[BLANK]**
ERALUX SB2 High Bay UFO	150/125/100W 22,500/18,750/15000 Lm	110 beam angle	High output	Hook Mount	Standard	0-10V Dimming
	-240W 240/200/150W 36,000/30,000/22,500 Lm		3500K/4000K/5000K CCT Switchable	**-PM[1]** Pendant Mount- ¾" NPT Conduit	**-NAT[2]** Natatorium Frosted lens and stainless-steel hardware	**-MS** Motion Sensor
	-300W 300/240/200W 45,000/36,000/30,000 Lm					

| **Fixture Family** | **Power** | **Distribution** | **Performance** | **Mounting** | **Speciality** | **Control** |

ORDERING GUIDE - ACCESSORIES

AE-IL-SB2-CA	**-WIREGUARD**	**-150W**
ERALUX SB2 High Bay UFO	Wire guard	For 150W
	-RFL-PC Polycarbonate reflector	**-240W** For 240W
	-RFL-AL Aluminum reflector	**-300W** For 300W

| **Accessory Family** | **Accessory** | **Size** |

AE-IL-SB2-CA	**-RFL-PC-COVER[3]**	**-150W**
ERALUX SB2 High Bay UFO	Polycarbonate reflector cover	For 150W
		-240W For 240W
		-300W For 300W

| **Accessory Family** | **Accessory** | **Size** |

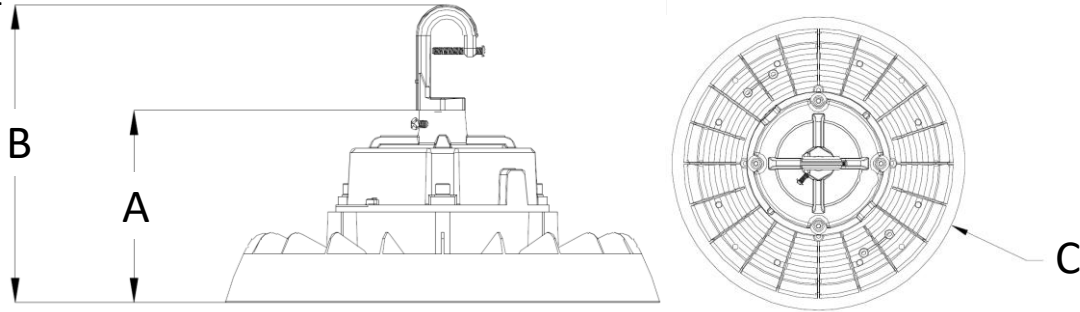| **[BLANK]**	**[BLANK]**
No EMBB	No Chain
BLD-UM60D/R-YYY 60W Emergency Battery Backup	**AE-IL-SB2-CA-METAL CHAIN** 3.2ft Metal chain

| **EMBB** | **CHAIN** |

1. Only adaptor provided by Eralux
2. Lumen output for NAT fixtures will be 20% less than standard fixtures
3. Polycarbonate reflector usually ordered with the polycarbonate reflector

DIMENSIONS

FIXTURE

POWER	150W	240W	300W
A	4.43"	4.65"	4.76"
B	7.0"	7.2"	10.42"
C	10.43"	12.82"	13.8"

ACCESSORIES

WIREGUARD			
POWER	150W	240W	300W
A	9.91"	12.61"	14.35"
B	9.91"	12.61"	14.35"
C	1.18"	1.18"	1.18"
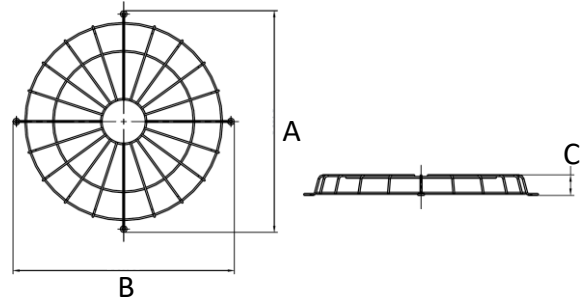
POLYCARBONATE REFLECTOR			
POWER	150W	240W	300W
A	16.28"	18.89"	16.22"
B	6.84"	7.12"	4.84"
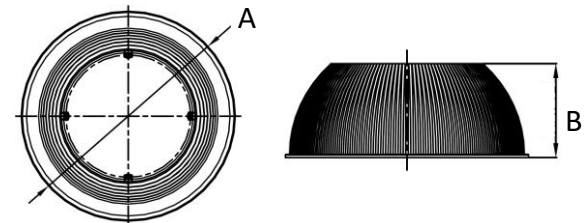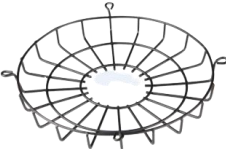
POLYCARBONATE LENS			
POWER	150W	240W	300W
A	8.66"	10.66"	11.53"
B	0.28"	0.3"	0.3"
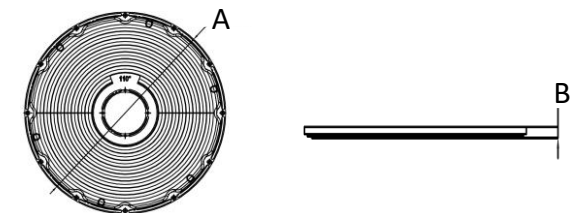
MOUNTING

	DESCRIPTION	PICTURE
HOOK MOUNT	Standard mounting option	
PENDANT	Hook can be replaced by ¾" NPT conduit mounting.	
METAL CHAIN	Facilitates the installation of the fixture	

ACCESSORIES

CODE	DESCRIPTION	PICTURE
AE-IL-SB2-CA-WIREGUARD-150W **AE-IL-SB2-CA-WIREGUARD-240W** **AE-IL-SB2-CA-WIREGUARD-300W**	Wire guards help shield the light from accidental impacts.	
AE-IL-SB2-CA-RFL-PC-150W **AE-IL-SB2-CA-RFL-PC-240W** **AE-IL-SB2-CA-RFL-PC-300W**	Polycarbonate reflectors help in directing and distributing light more evenly across a space.	
AE-IL-SB2-CA-RFL-PC-COVER-150W **AE-IL-SB2-CA-RFL-PC-COVER-240W** **AE-IL-SB2-CA-RFL-PC-COVER-300W**	These covers can help diffuse light evenly, reducing glare and creating a more comfortable lighting environment.	
AE-IL-SB2-CA-RFL-AL-150W **AE-IL-SB2-CA-RFL-AL-240W** **AE-IL-SB2-CA-RFL-AL-300W**	Aluminum reflectors have a high reflectivity, they can effectively bounce light toward the desired area, maximizing illumination and improving overall lighting efficiency.	

DLC MODELS

DLC MODEL	PRODUCT ID
AE-IL-SB2-CA-150W-110-H-[Blank,(MS),(PIR),(BT)]	S-A238S5
AE-IL-SB2-CA-200W-110-H-[Blank,(MS),(PIR),(BT)]	S-ZDR7CM
AE-IL-SB2-CA-240W-110-H-[Blank,(MS),(PIR),(BT)]	S-DR8HAI
AE-IL-SB2-CA-300W-110-H-[Blank,(MS),(PIR),(BT)]	S-B9FYXD

CONTROLS

EMERGENCY LED DRIVER

Ordered separately, field installed

BLD-UM60D/R-YYY

The BLD-UMXXX-YYY series LED Emergency Driver is UL listed for field and factory installation, allowing a single LED fixture to operate in both normal and emergency modes. In case of power failure, it powers the fixture for up to 90 minutes, integrating a battery, charger, and converter in one unit. Supporting LED loads of 30-60W at 170VDC, its constant power design ensures consistent illumination during emergencies, making it ideal for 0-10V dimmable indoor industrial LED fixtures, such as flat panels, troffers, and UFO lights.

SPECIFICATIONS	
Input Voltage	100-347 Vac
Power Frequency	50/60HZ
Input Power	15W MAX
Output Voltage	170V Dc
Output Power	60W
Ambient Temperature	5˚C to 50˚C
	41˚F to 122˚F
Installation	Remote

5.61 in

10.96 in

4.26 in

4.26 in
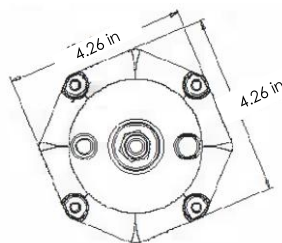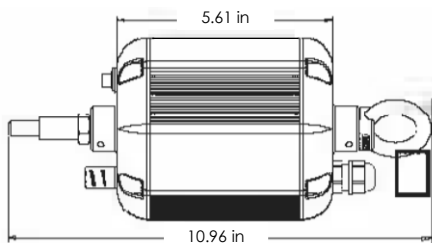
CONTROLS

MOTION SENSOR

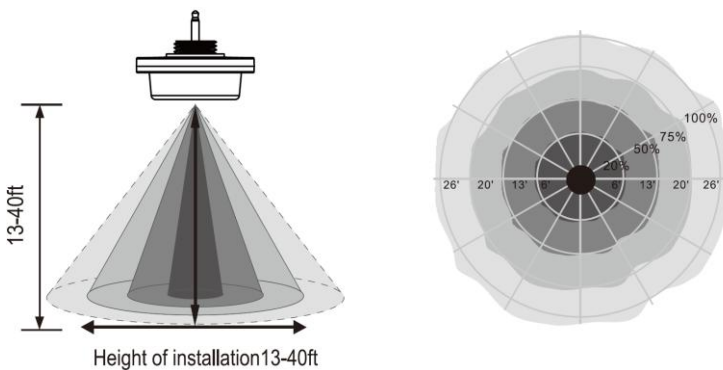| CODE	DESCRIPTION	PICTURE
AE-IL-SB2-CA-MSKIT	Plug in low-voltage microwave motion sensor	
AE-IL-SB2-CA-REMOTE-CTRL	Remote control for the motion sensor	

Factory mode

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

Area Coverage

Height of installation 13-40ft

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
PREMIUM (80CRI)	0.96	1	1.03	1.06

PHOTOMETRIC DATA

PART NUMBER		ZONAL LUMEN SUMMARY		
AE-IL-SB2-CA-150W-110-H-XX		Zone	Lumens	% Fixture
Wattage	150W	0-20°	3456.38	14.40
CCT	3000K	0-30°	7839.2	32.70
Distribution	110°	0-40°	13738.00	57.30
		0-60°	22123.89	92.30
		0-80°	23586.79	98.40
		0-90°	22831.4	98.80

POLAR LUMINOUS INTENSITY — Direct Light

CONE DISTRIBUTION

	Center Beam Fc	Beam Width	
3.3ft	819 fc	7.7 ft	6.5 ft
6.7ft	199 fc	15.7 ft	13.1 ft
10.0ft	89.2 fc	23.4 ft	19.6 ft
13.3ft	50.4 fc	31.2 ft	26.0 ft
16.7ft	32 fc	39.2 ft	32.7 ft
20.0ft	22.3 fc	46.9 ft	39.1 ft

Vert. Spread: 99.1°
Horiz. Spread: 88.7°

PART NUMBER		ZONAL LUMEN SUMMARY		
AE-IL-SB2-CA-240W-110-H-XX		Zone	Lumens	% Fixture
Wattage	240W	0-20°	5549.53	15.20
CCT	3000K	0-30°	12765.11	35.10
Distribution	110°	0-40°	22186.47	61.00
		0-60°	33599.78	92.40
		0-80°	35853.45	98.70
		0-90°	36018.43	99.10

POLAR LUMINOUS INTENSITY — Direct Light

CONE DISTRIBUTION

	Center Beam Fc	Beam Width	
3.3ft	1280 fc	7.0 ft	5.8 ft
6.7ft	311 fc	14.2 ft	11.7 ft
10.0ft	139 fc	21.2 ft	17.4 ft
13.3ft	78.8 fc	28.2 ft	23.2 ft
16.7ft	50 fc	35.5 ft	29.1 ft
20.0ft	34.9 fc	42.5 ft	34.9 ft

Vert. Spread: 93.4°
Horiz. Spread: 82.2°

PART NUMBER		ZONAL LUMEN SUMMARY		
AE-IL-SB2-CA-300W-110-H-XX		Zone	Lumens	% Fixture
Wattage	300W	0-20°	6886.46	15.6
CCT	3000K	0-30°	15316.64	34.6
Distribution	110°	0-40°	26238.85	59.3
		0-60°	41084.02	92.9
		0-80°	43462.7	98.3
		0-90°	43601.81	98.6

POLAR LUMINOUS INTENSITY — Direct Light

CONE DISTRIBUTION

	Center Beam Fc	Beam Width	
3.3ft	1658 fc	8.2 ft	6.6 ft
6.7ft	402 fc	16.7 ft	13.3 ft
10.0ft	181 fc	24.9 ft	19.9 ft
13.3ft	102 fc	33.1 ft	26.5 ft
16.7ft	64.8 fc	41.6 ft	33.3 ft
20.0ft	45.2 fc	49.8 ft	39.8 ft

Vert. Spread: 102.5°
Horiz. Spread: 89.7°

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
PREMIUM (80CRI)	0.96	1	1.03	1.06

PHOTOMETRIC DATA

PART NUMBER		ZONAL LUMEN SUMMARY		
AE-IL-SB2-CA-240W-110-H-NAT	Zone	Lumens	% Fixture	
Wattage — 240W	0-20°	5211.47	14.7	
CCT — 3000K	0-30°	11139.07	31.3	
Distribution — 110°	0-40°	18126.13	51	
Frosted lens	0-60°	29801.77	83.8	
	0-80°	34666.2	97.5	
	0-90°	35078.29	98.7	

POLAR LUMINOUS INTENSITY — Direct Light

CONE DISTRIBUTION

	Center Beam Fc	Beam Width	
3.3ft	1290 fc	7.9 ft	7.9 ft
6.7ft	313 fc	16.1 ft	16.1 ft
10.0ft	140 fc	24.0 ft	24.0 ft
13.3ft	79.4 fc	31.9 ft	31.9 ft
16.7ft	50.4 fc	40.0 ft	40.0 ft
20.0ft	35.1 fc	47.9 ft	47.9 ft

Vert. Spread: 100.3°
Horiz. Spread: 100.3°

PART NUMBER		ZONAL LUMEN SUMMARY		
AE-IL-SB2-CA-240W-110-H-XX	Zone	Lumens	% Fixture	
Wattage — 240W	0-20°	4731.8	14.4	
CCT — 3000K	0-30°	10430.75	31.8	
Distribution — 110°	0-40°	17053.81	52	
Frosted lens	0-60°	26423.16	80.6	
Reflector with cover	0-80°	30165.99	92	
	0-90°	30652.81	93.5	

POLAR LUMINOUS INTENSITY — Direct Light

CONE DISTRIBUTION

	Center Beam Fc	Beam Width	
1.7ft	4442 fc	3.6 ft	3.7 ft
3.3ft	1179 fc	7.1 ft	7.2 ft
5.0ft	514 fc	10.7 ft	11.0 ft
6.7ft	286 fc	14.4 ft	14.7 ft
8.3ft	186 fc	17.8 ft	18.2 ft
10.0ft	128 fc	21.5 ft	21.9 ft

Vert. Spread: 94.0°
Horiz. Spread: 95.2°

PART NUMBER		ZONAL LUMEN SUMMARY		
AE-IL-SB2-CA-240W-110-H-XX	Zone	Lumens	% Fixture	
Wattage — 240W	0-20°	6361.7	20.1	
CCT — 3000K	0-30°	13514.25	42.7	
Distribution — 110°	0-40°	20774.75	65.6	
Frosted lens	0-60°	28407.8	89.7	
Reflector without cover	0-80°	30606.33	96.7	
	0-90°	30864.69	97.5	

POLAR LUMINOUS INTENSITY — Direct Light

CONE DISTRIBUTION

	Center Beam Fc	Beam Width	
1.7ft	6044 fc	3.1 ft	2.7 ft
3.3ft	1604 fc	6.0 ft	5.3 ft
5.0ft	699 fc	9.2 ft	8.0 ft
6.7ft	389 fc	12.3 ft	10.8 ft
8.3ft	254 fc	15.2 ft	13.3 ft
10.0ft	175 fc	18.3 ft	16.1 ft

Vert. Spread: 84.9°
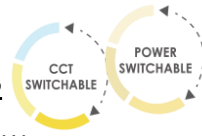Horiz. Spread: 77.6°

OVERVIEW

Innovative Design

- Aluminum die-cast and heat sink to ensure superior thermal heat dissipation
- Polycarbonate lens protection for NEMA 4X ratings.
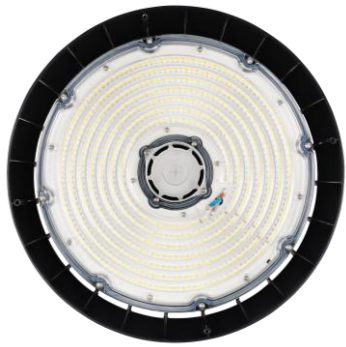
Multiple Options

CCT SWITCHABLE · POWER SWITCHABLE

- 3 sizes 150W-240W-300W.
- Power switchable.
- 3 CCT selectable; 30/35/40K

SIZE	POWER	LUMENS
150W	150/125/100W	22,500/18,750/15000 Lm
240W	240/200/150W	36,000/30,000/22,500 Lm
300W	300/240/200W	45,000/36,000/30,000 Lm

FEATURE

- Natatorium option:

With the frosted lens and stainless-steel hardware, the SB2 can be placed above pools

Mountings Available

- Hook Mount.
- Pendant using ¾"adaptor.

ACCESSORIES

- Wire guard.
- Polycarbonate reflector and cover.
- Aluminum reflector.
- EMBB.
- Motion sensor.
- Metal chain.

Emergency backup battery

Motion Senor

Tests And Certifications

NEMA 4X · Wet Rated · IP66 · Surge Protector · IK10

5 YEARS WARRANTY eralux · RoHS · DLC LISTED PREMIUM · UL CERTIFIED LOOK FOR THE UL MARK FOR DETAILS · NSF