

SB2

Built for warehouses, manufacturing and pools, the SB2 round high bay switches power and CCT on one fixture: 100/125/150W, 150/200/240W or 200/240/300W at 150lm/W. NEMA 4X (IP66) with a natatorium option, plus reflector, wire guard, motion sensor and EMBB accessories.

Industrial

Manufacturing

Warehouse

High Bay

Pools



Project Information

Type: _____ Date: _____
 Project: _____
 Catalog #: _____
 Notes: _____

Key Specifications

Electrical

Input voltage	120-277/347V
Power factor	>0.9
THD	<20%
Dimming	0-10V
Power	100/125/150W 150/200/240W 300/240/200W

Optical

CRI	80 CRI
CCT	Switchable 3500/4000/5000K
Efficacy	~150lm/W
Distribution	110°

Physical

Mounting	Hook • Pendant 3/4in NPT
Fixture finish	Black • White
Options	Natatorium
Protection	NEMA 4X / IP66 • wet rated
Surge	6KV
Ambient	-40°C to 45°C

Certifications

Listings	UL • DLC Premium • NSF • RoHS
Impact	IK10
Warranty	5 years
Lumen maintenance	L70 at 50000h

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 thorough replacement instructions along with instructions on the return of the defective parts back to Eralux.

Lumen Maintenance

L70 at 50000h

Rated for 70% initial lumen output at 50000h of operation, operated at 25°C ambient temperature; per guidelines published by the Illuminating Engineering Society (IES).

Ordering Guide - Fixture

Assembled Catalog Number

[RESET](#)

AE-IL-SB2-CA

01 **FIXTURE FAMILY**



AE-IL-SB2-CA

ERALUX SB2 High Bay UFO · 3500/4000/5000K CCT switchable

02 **POWER**

-150W

150/125/100W
22500/18750/15000lm

-240W

240/200/150W
36000/30000/22500lm

-300W

300/240/200W
45000/36000/30000lm

03 **DISTRIBUTION**

-110

110° beam angle

04 **PERFORMANCE**

-H

High output

05 **MOUNTING**

Blank

Hook mount

-PM

Pendant mount
3/4in NPT conduit
1

06 **FINISH**



Blank
Black



-WH
White

07 **SPECIALTY**

Blank

Standard

-NAT

Natatorium²

-NAT Natatorium²: frosted lens and stainless-steel hardware.

08 **CONTROL**

Blank

0-10V dimming

-(MS)

Motion sensor

1. Only an adaptor provided by ERALUX may be used. 2. Lumen output for NAT fixtures is 20% less than standard fixtures.

Accessory Ordering Guide

Accessories are ordered separately.

Wire guards and reflectors

Assembled Catalog Number

[RESET](#)

AE-IL-SB2-CA

01 ACCESSORY

-WIREGUARD-BK

Wire guard
black finish

-WIREGUARD-SS

Wire guard
stainless steel

-RFL-PC

Polycarbonate
reflector

-RFL-AL

Aluminum
reflector

02 SIZE

-150W

For 150W

-240W

For 240W

-300W

For 300W

Polycarbonate reflector cover

Assembled Catalog Number

[RESET](#)

AE-IL-SB2-CA

01 ACCESSORY

-RFL-PC-COVER

Polycarbonate
reflector cover ³

02 SIZE

-150/300W

For 150W
and 300W

-240W

For 240W

3. The polycarbonate reflector cover is usually ordered with the polycarbonate reflector.

Accessory Ordering Guide (continued)

Emergency battery backup

Assembled Catalog Number RESET

01 EMBB

Blank

No EMBB

BLD-UM40D-YYY

40W emergency
battery backup⁴

BLD-UM60D-YYY

60W emergency
battery backup⁴

Metal chain

Assembled Catalog Number RESET

AE-IL-SB2-CA

01 CHAIN

Blank

No chain

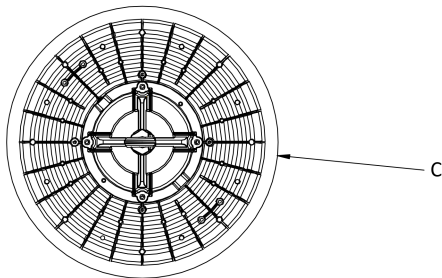
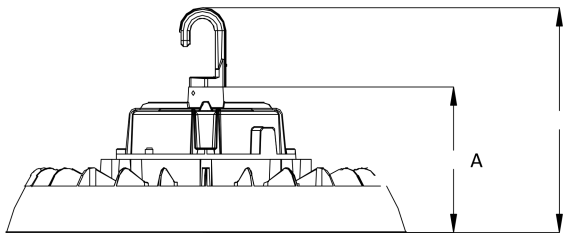
-METAL CHAIN

3.2ft metal chain

4. The EMBB does not come with a remote; order the remote BLD-REMOTECONTROL separately if required.

Dimensions

Fixture



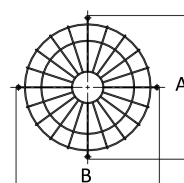
POWER	A	B	C
150W	4.43in	7.0in	10.43in
240W	4.65in	7.2in	12.82in
300W	4.76in	10.42in	13.8in

Accessories

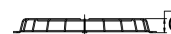
Drawings show the 240W size; A, B and C for every size are in the tables. Installation instructions: [Install Instruction link](#)

Dimensions (continued)

WIRE GUARD	150W	240W	300W
A	9.91in	12.61in	14.35in
B	9.91in	12.61in	14.35in
C	1.18in	1.18in	1.18in

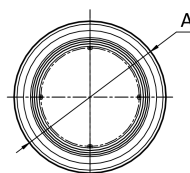


Top view

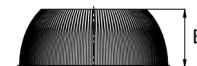


Side view

POLYCARBONATE REFLECTOR	150W	240W	300W
A	16.28in	18.89in	16.22in
B	6.84in	7.12in	4.84in

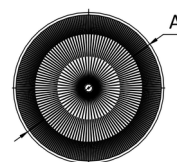


Top view



Side view

POLYCARBONATE REFLECTOR COVER	150W	240W	300W
A	15.9in	18.7in	15.9in
B	1.57in	1.57in	1.57in

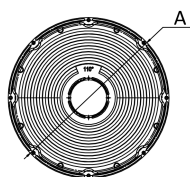


Top view



Side view

POLYCARBONATE LENS	150W	240W	300W
A	8.66in	10.66in	11.53in
B	0.28in	0.3in	0.3in



Top view



Side view

Mounting & Accessories

Mounting



Hook mount

Standard mounting option.



Pendant mount - black or white

The hook can be replaced by a 3/4in NPT conduit mount. Order code -PM.



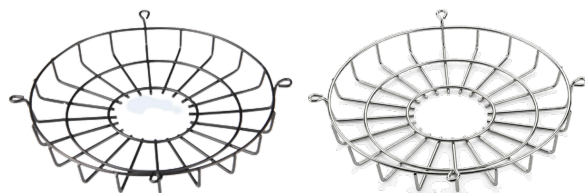
AE-IL-SB2-CA-METAL CHAIN

Metal chain

3.2ft chain; facilitates the installation of the fixture.

Mounting & Accessories (continued)

Accessories



AE-IL-SB2-CA-WIREGUARD-BK-XXXW

AE-IL-SB2-CA-WIREGUARD-SS-XXXW

Wire guard, black (left) or stainless steel (right). Wire guards help shield the light from accidental impacts.



AE-IL-SB2-CA-RFL-PC-XXXW

Polycarbonate reflector

Polycarbonate reflectors help in directing and distributing light more evenly across a space.



AE-IL-SB2-CA-RFL-PC-COVER-150/300W

AE-IL-SB2-CA-RFL-PC-COVER-240W

Polycarbonate reflector cover. These covers help diffuse light evenly, reducing glare and creating a more comfortable lighting environment.



AE-IL-SB2-CA-RFL-AL-XXXW

Aluminum reflector

Aluminum reflectors have a high reflectivity; they can effectively bounce light toward the desired area, maximizing illumination and improving overall lighting efficiency.

XXXW is the fixture size (150W, 240W or 300W) for the wire guards and reflectors. The reflector cover sizes are -150/300W for the 150W and 300W fixtures and -240W for the 240W fixture.

DLC Qualified Models & Emergency Driver

DLC V6.0 qualified models

DLC	PRODUCT ID	MODEL NUMBER	CATEGORY	CLASS
6.0	S-A238S5	AE-IL-SB2-CA-150W-110-H-[Blank,(MS),(PIR),(BT)]	Indoor	Premium
5.1	S-ZDR7CM	AE-IL-SB2-CA-200W-110-H-[Blank,(MS),(PIR),(BT)]	Indoor	Premium
6.0	S-DR8HAI	AE-IL-SB2-CA-240W-110-H-[Blank,(MS),(PIR),(BT)]	Indoor	Premium
6.0	S-B9FYXD	AE-IL-SB2-CA-300W-110-H-[Blank,(MS),(PIR),(BT)]	Indoor	Premium
5.1	S-OM76CN	AE-IL-SB2-CA-300W-110-H-[Blank,(MS),(PIR),(BT)]-L	Indoor	Premium

Primary use: High-Bay Luminaires for Commercial and Industrial Buildings. Design Lights Consortium® (DLC) qualified product. Not all versions of this product may be DLC qualified — check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified.

Emergency LED driver — BLD-UM40D-YYY · BLD-UM60D-YYY

Ordered separately, field installed.

BLD-UM40D-YYY · BLD-UM60D-YYY (remote is optional) / BLD-REMOTECONTROL

To test the EMBB, press the button located on the EMBB or order the remote separately to test it remotely.

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 90min, integrating a battery, charger and converter in one unit. Supporting LED loads of 30-60W at 170V DC, 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.

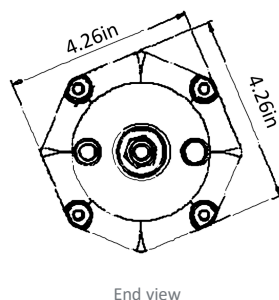
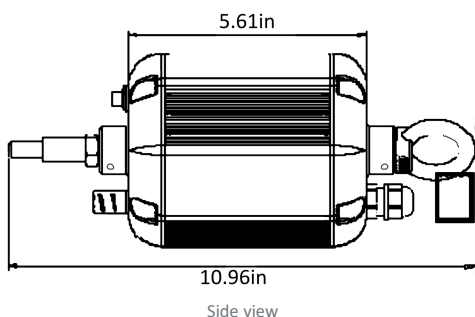
Input voltage	100-347V
Power frequency	50/60Hz
Input power	15W max
Output voltage	170V DC
Output power	40W · 60W
Ambient temp.	5°C to 50°C · 41°F to 122°F
Installation	Remote



BLD-REMOTECONTROL

EMBB test remote (optional)

The EMBB installed on the fixture, tested with the remote.



Photometric Data

Lumen Estimate Adjustment Factors · Premium (80 CRI)

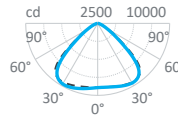
2700K × 0.96 3000K × 1 3500K × 1.03 4000K × 1.06

Lumen output varies based on CCT and CRI. For an estimate of the lumen output of the various CCT/CRI combinations, use the correction factors above.

AE-IL-SB2-CA-150W-110-H-XX

150W · 110°

	Wattage	150W	3000K	110°	ZONE	LUMENS	% FIXTURE
					0-20°	3456.38	14.41
					0-30°	7839.20	32.69
					0-40°	13738.00	57.29
					0-60°	22123.89	92.26
					0-80°	23586.79	98.36
					0-90°	23687.41	98.78

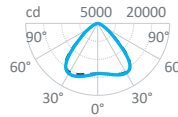


DISTANCE	CENTER Fc	BEAM WIDTH
10.0ft	89.2	23.4ft 19.3ft
15.0ft	39.6	35.2ft 29.0ft
20.0ft	22.3	46.9ft 38.7ft
25.0ft	14.3	58.6ft 48.4ft
30.0ft	9.91	70.3ft 58.0ft
40.0ft	5.58	93.7ft 77.4ft
Vert. spread		99.0°
Horiz. spread		88.1°

AE-IL-SB2-CA-240W-110-H-XX

240W · 110°

	Wattage	240W	3000K	110°	ZONE	LUMENS	% FIXTURE
					0-20°	5549.53	15.22
					0-30°	12765.11	35.00
					0-40°	22186.47	60.84
					0-60°	33599.78	92.13
					0-80°	35853.45	98.31
					0-90°	36018.43	98.76

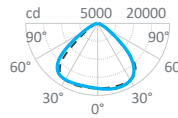


DISTANCE	CENTER Fc	BEAM WIDTH
10.0ft	139	21.2ft 17.2ft
15.0ft	62.0	31.8ft 25.9ft
20.0ft	34.9	42.4ft 34.5ft
25.0ft	22.3	53.0ft 43.1ft
30.0ft	15.5	63.6ft 51.7ft
40.0ft	8.71	84.8ft 68.9ft
Vert. spread		93.3°
Horiz. spread		81.5°

AE-IL-SB2-CA-300W-110-H-XX

300W · 110°

	Wattage	300W	3000K	110°	ZONE	LUMENS	% FIXTURE
					0-20°	6886.46	15.58
					0-30°	15316.64	34.64
					0-40°	26238.86	59.35
					0-60°	41084.02	92.93
					0-80°	43462.70	98.31
					0-90°	43601.81	98.62



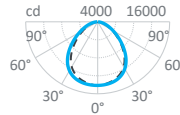
DISTANCE	CENTER Fc	BEAM WIDTH
10.0ft	181	24.9ft 19.6ft
15.0ft	80.3	37.4ft 29.5ft
20.0ft	45.2	49.9ft 39.3ft
25.0ft	28.9	62.3ft 49.1ft
30.0ft	20.1	74.8ft 58.9ft
40.0ft	11.3	99.7ft 78.6ft
Vert. spread		102.5°
Horiz. spread		89.0°

Photometric Data - Frosted Lens

AE-IL-SB2-CA-240W-110-H-NAT

240W • frosted lens (NAT)

	Wattage	240W	0-20°	5167.04	15.59
	CCT	3000K	0-30°	10965.89	33.09
	Distribution	110°	0-40°	17636.39	53.22
	Lens	Frosted	0-60°	28194.43	85.08
			0-80°	32375.66	97.69
			0-90°	32644.63	98.51

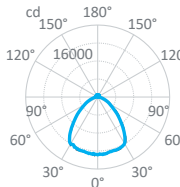


DISTANCE	CENTER Fc	BEAM WIDTH	
10.0ft	141	23.6ft	21.1ft
15.0ft	62.9	35.4ft	31.7ft
20.0ft	35.4	47.2ft	42.2ft
25.0ft	22.6	59.0ft	52.8ft
30.0ft	15.7	70.8ft	63.3ft
40.0ft	8.84	94.4ft	84.4ft
Vert. spread		99.4°	
Horiz. spread		93.1°	

AE-IL-SB2-CA-240W-110-H-XX

240W • reflector + cover

	Wattage	240W	0-20°	4731.74	14.43
	CCT	3000K	0-40°	17053.31	52.01
	Distribution	110°	0-60°	26422.11	80.58
	Lens	Frosted	0-80°	30164.81	92.00
	Optic	Reflector with cover	0-90°	30651.61	93.48
			0-180°	32789.03	100.00

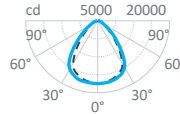


DISTANCE	CENTER Fc	BEAM WIDTH	
10.0ft	128	21.6ft	21.8ft
15.0ft	57.1	32.4ft	32.7ft
20.0ft	32.1	43.2ft	43.6ft
25.0ft	20.5	54.0ft	54.5ft
30.0ft	14.3	64.8ft	65.5ft
40.0ft	8.02	86.4ft	87.3ft
Vert. spread		94.4°	
Horiz. spread		95.0°	

AE-IL-SB2-CA-240W-110-H-XX

240W • reflector, no cover

	Wattage	240W	0-20°	6361.70	20.09
	CCT	5000K	0-30°	13514.25	42.68
	Distribution	110°	0-40°	20774.75	65.61
	Lens	Frosted	0-60°	28407.80	89.72
	Optic	Reflector without cover	0-80°	30606.33	96.66
			0-90°	30864.69	97.48



DISTANCE	CENTER Fc	BEAM WIDTH	
10.0ft	175	18.4ft	16.1ft
15.0ft	77.6	27.6ft	24.1ft
20.0ft	43.7	36.8ft	32.1ft
25.0ft	27.9	46.1ft	40.2ft
30.0ft	19.4	55.3ft	48.2ft
40.0ft	10.9	73.7ft	64.3ft
Vert. spread		85.3°	
Horiz. spread		77.6°	

Sensors

Bluetooth Sensors ARIA PLUS · BLE

Fixture-integrated sensors

Product	Detection type	Detection range	Bluetooth range	Dimming protocol	Installation
 EFS106-AUX High bay · indoor	PIR	40–80ft	100ft	0-10V Dimming	Plug-in – AUX base

Non-Bluetooth Sensors set up by IR remote

Product	Detection type	Detection range	Set-up	Dimming protocol	Installation
 AE-IL-SB2-CA-MS High bay · IP65 Remote control AE-IL-SB2-CA-REMOTE-CTRL	Microwave	13–40ft	IR remote	0-10V Dimming	Plug-in – sensor port

Please refer to spec sheet for exact specifications for all items above.