

EVEREST

Three separately lit lenses replace the single flat diffuser of a standard panel, giving the ceiling a layered, finished look, yet EVEREST installs like any troffer. Available in 2x2 and 2x4, around 140lm/W, with power and five CCTs switchable in the field.

Commercial Office

Healthcare

Schools

Retail



Key Specifications

Electrical

Input voltage	120-277/347V
Power factor	> 0.9
THD	< 20%
Dimming	0-10V
Power 2x2	30/25/18/15W
Power 2x4	41/34/28/20W

Optical

Efficacy	~140lm/W
CRI	80 · 90
CCT	2700/3000/3500/4000/5000K
Distribution	120°

Physical

Sizes	2x2 · 2x4
Material	Aluminium frame · metal housing
Lens	Optical polystyrene
Mounting	Surface · Suspended · Gypsum · Grid
Ambient	-20°C to 50°C
Accessories	Mounting kits · EMBB · Sensor

Certifications

Safety	cULus E511939
Listings	DLC Premium · RoHS
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](#)

RC-EV

01 **FIXTURE FAMILY**



RC-EV
ERALUX Everest tri-lens panel

02 **SIZE**

-2X2-30W

2x2ft
30/25/18/15W

-2X4-41W

2x4ft
41/34/28/20W

-2X2-30W · -2X4-41W

2x2: 4200/3500/2500/2100lm · 2x4:
5800/4800/4000/2800lm

03 **INPUT VOLTAGE**

-CA

120-277/347V

04 **DISTRIBUTION**

-S

120°

05 **CCT**

-TCP

2700/3000/3500/
4000/5000K

-TCP

2700/3000/3500/4000/5000K selectable

06 **CONTROLS**

Blank

No option

-MS

Bi-level PIR
motion sensor
IFS06R

-EM

8W emergency
backup ¹

07 **CRI**

Blank

80 CRI

-90

90 CRI ²

1. 8W battery: 90min, available for all sizes. 2. 15% reduced lumen level for the 90 CRI option. Mounting kits, the hanging kit and the emergency battery backup are ordered from page 03. Installation instructions: [Install Instruction link](#)

Accessory Ordering Guide

Ordered separately, field installed

Mounting kit

[RESET](#)

AE-RC-M

01 **FIXTURE FAMILY**

EVEREST

AE-RC-M

ERALUX commercial mounting options

02 **MOUNTING OPTION**

BGYPK

Gypsum kit

SMK-

Surface mount kit
3in

03 **SIZE**

2X2

2x2ft

2X4

2x4ft

Hanging kit

[RESET](#)

AE-RC-MB

01 **FIXTURE FAMILY**

EVEREST

AE-RC-MB

ERALUX commercial mounting options

02 **MOUNTING OPTION**

-HK

Hanging kit¹

1. For a more aesthetic look, the hanging kit and the surface mount kit can be ordered together.

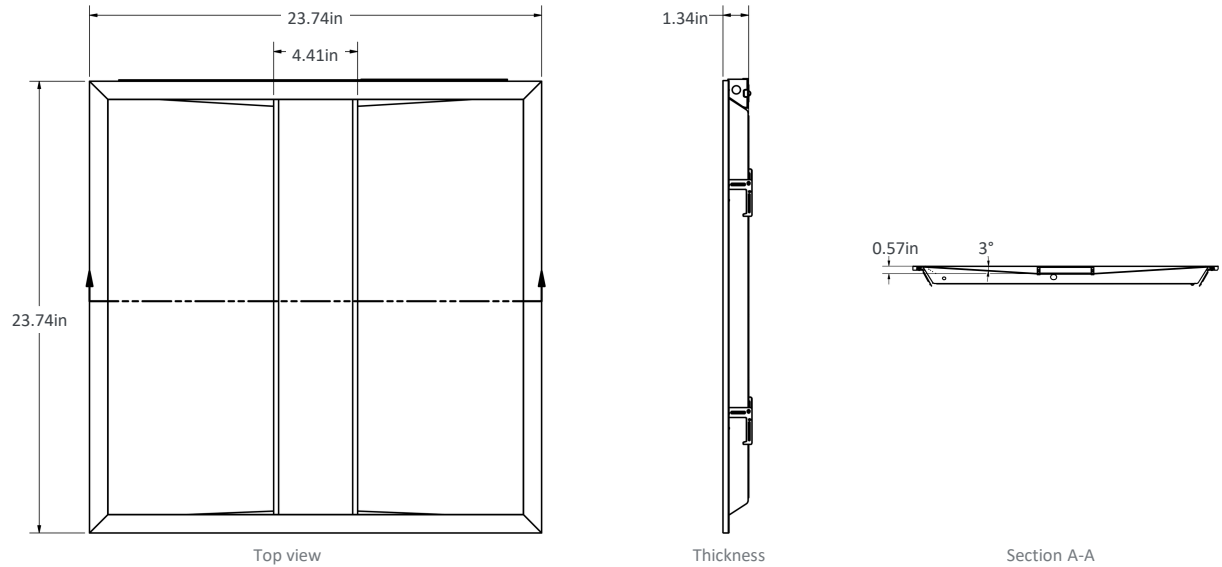
Emergency Battery Backup - remote (EMBB)

ORDERING CODE	DESCRIPTION
Blank	No EMBB
BLD-HM08D-YYY	8W emergency battery backup (remote)
BLD-HM15D-YYY	15W emergency battery backup (remote)
BLD-HM25D-YYY	25W emergency battery backup (remote)

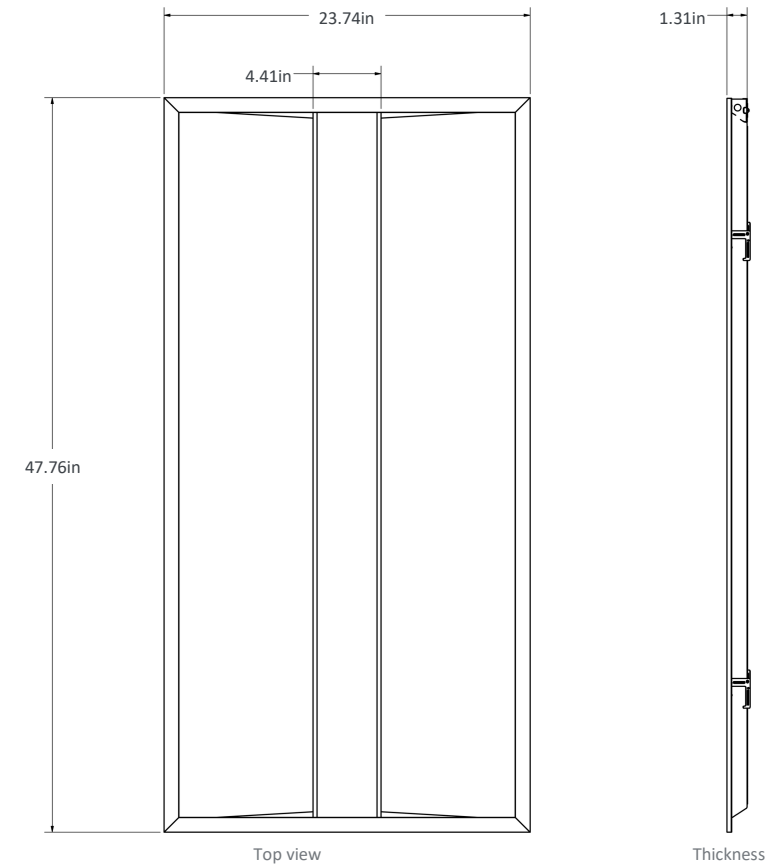


Dimensions

RC-EV-2X2



RC-EV-2X4



Mounting Accessories

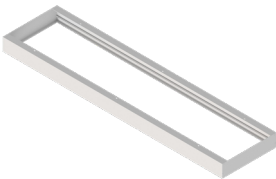
Ordered separately, field installed

Gypsum Kit - recessed gypsum



ORDERING CODE	LENGTH	WIDTH	HEIGHT	CUT OUT LENGTH	CUT OUT WIDTH
AE-RC-MBGYPK2X2	25.1in	25.1in	1.5in	24.3in - 24.7in	24.3in - 24.7in
AE-RC-MBGYPK2X4	49.1in	13.3in	1.5in	48.3in - 48.7in	24.3in - 24.7in

Surface Mount Kit - 3in thickness



ORDERING CODE	LENGTH	WIDTH	HEIGHT
AE-RC-MSMK-2X2	24in	24in	2.91in
AE-RC-MSMK-2X4	48in	12.2in	2.91in

Hanging Kit



ORDERING CODE	QUANTITY	DESCRIPTION	LENGTH
AE-RC-MB-HK	3 pieces/set	Galvanized aircraft cable	4ft

Controls

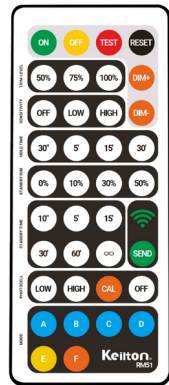
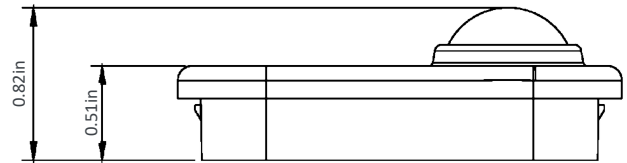
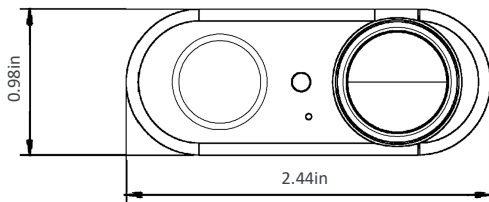
Bi-Level PIR Motion Sensor - IFS06R

-MS option (fixture integrated)



The IFS06R is a compact PIR (Passive Infrared) sensor that combines motion detection with daylight control. It works with 0-10V dimming LED drivers to enable automatic lighting, turning fixtures on and off based on occupancy and available daylight. The built-in photocell allows for dusk-to-dawn operation, keeping lights on overnight even without motion. In daylight harvesting mode, it automatically adjusts lighting to maintain the perfect balance with natural light. It's ideal for low-profile fixtures and supports simple push-button connections.

Input voltage	12V DC
IP rated	IP20
Mounting height	23ft max
Detection range	32ft
Standby power	<0.5W
Operating temperature	-30°C to 55°C
Installation	Fixture integrated



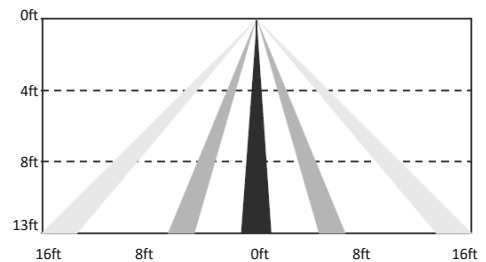
Remote control

AE-SF-JB-MOTIONSENSOR-RMT

Comes with 6 default modes with different options:

- Trim-level (Dimming % when turned on)
- Sensitivity (Sensor sensitivity to movement)
- Hold time (Time before the fixture goes to standby mode)
- Standby dim percentage (Dimming % when no movement)
- Standby time (Time before the fixture turns off after standby)
- Photocell (Sensitivity for the lumens adjustment to natural light)

Microwave motion sensor coverage



Emergency Backup

Option 1 - Integrated Emergency Battery Backup (-EM option)



This LED emergency driver is UL listed, and it is factory installed. It switches to emergency mode during power failures, providing up to 90min of lighting. With an integrated battery, charger, and converter, it delivers 8W, 15W or 25W constant power at 50-180V DC. Its slim shape is ideal for use in linear strip lighting fixtures.

Input Voltage	100-347V
Power Frequency	50/60Hz
Output Voltage	50-180VDC
Output Power	8W
Ambient Temperature	0°C to 50°C
	30°F to 122°F
Installation	Integrated

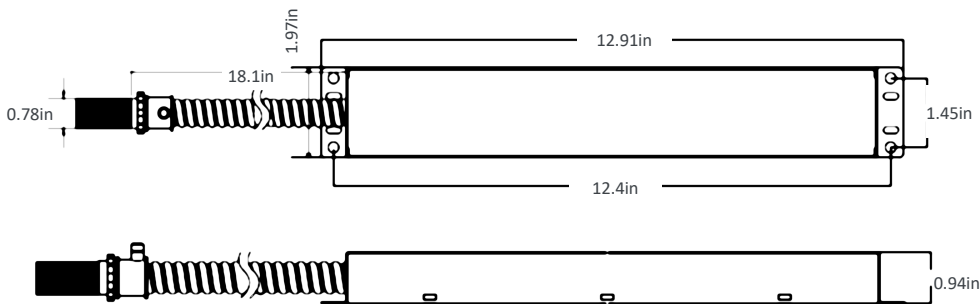
Option 2 - Remote Emergency Battery Backup

BLD-HM08D-YYY	Emergency LED driver, 8W
BLD-HM15D-YYY	Emergency LED driver, 15W
BLD-HM25D-YYY	Emergency LED driver, 25W



The BLD-HMXXD-YYY series LED Emergency Driver is UL listed for field and factory installations. It switches to emergency mode during power failures, providing up to 90min of lighting. With an integrated battery, charger, and converter, it delivers 8W, 15W or 25W constant power at 170V DC. Ideal for 0-10V dimmable indoor commercial LED fixtures, such as flat panels, troffers, downlights, and linear strip lights.

Input Voltage	100-347V
Power Frequency	50/60Hz
Input Power	6W max · 12W · 12W
Output Voltage	170V Dc
Output Power	8W · 15W · 25W
Ambient Temperature	0°C to 50°C
	30°F to 122°F
Installation	Remote



BLD-HM08D-YYY

Photometric Data

Lumen Estimate Adjustment Factors

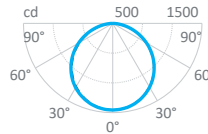
3500K $\times 0.97$ 4000K $\times 1.00$ 5000K $\times 1.03$

Factors for 80 CRI. Lumen output varies based on CCT and CRI; multiply by the factor for the CCT ordered.

RC-EV-2X2-30W-CA

2x2 · 30W · 3000K

		ZONE	LUMENS	% FIXTURE
		0-20°	532.63	12.63
Wattage	30.6W	0-30°	1132.24	26.84
CCT	3000K	0-40°	1857.50	44.03
Distribution	120°	0-60°	3295.09	78.11
CRI	80	0-80°	4126.14	97.81
		0-90°	4215.70	99.93

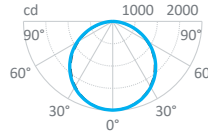


DISTANCE	CENTER Fc	BEAM WIDTH	
1.7ft	504	5.2ft	5.1ft
3.3ft	134	10.2ft	9.9ft
5.0ft	58.2	15.4ft	15.0ft
6.7ft	32.4	20.7ft	20.1ft
8.3ft	21.1	25.6ft	24.9ft
10.0ft	14.6	30.8ft	30.1ft
Vert. spread		114.1°	
Horiz. spread		112.7°	

RC-EV-2X4-41W-CA

2x4 · 41W · 3000K

		ZONE	LUMENS	% FIXTURE
		0-20°	727.75	12.58
Wattage	41.3W	0-30°	1548.19	26.77
CCT	3000K	0-40°	2541.43	43.94
Distribution	120°	0-60°	4515.16	78.07
CRI	80	0-80°	5658.08	97.83
		0-90°	5781.25	99.96



DISTANCE	CENTER Fc	BEAM WIDTH	
1.7ft	688	5.3ft	5.1ft
3.3ft	183	10.3ft	9.9ft
5.0ft	79.5	15.6ft	15.0ft
6.7ft	44.3	21.0ft	20.1ft
8.3ft	28.9	26.0ft	24.9ft
10.0ft	19.9	31.3ft	30.0ft
Vert. spread		114.8°	
Horiz. spread		112.6°	

Sensors

Bluetooth Sensors ARIA PLUS · BLE

Fixture-integrated sensors

Product	Detection type	Detection range	Bluetooth range	Dimming protocol	Installation
 IFS108 Low bay · indoor	PIR	40ft	100ft	0-10V Dimming	Integrated into fixture

Non-Bluetooth Sensors set up by IR remote

Product	Detection type	Detection range	Set-up	Dimming protocol	Installation
 IFS06R Low bay · indoor	PIR	32ft	IR remote	0-10V Dimming	Integrated into fixture
Remote control AE-SF-JB-MOTIONSENSOR-RMT					

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

DLC Qualified Models

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.

DLC	PRODUCT ID	MODEL NUMBER	CATEGORY	CLASS
5.1	S-KZJ1Z3	RC-EV-2X2-30W-CA-S-TCP-(Blank, EM, MS)	Indoor	Premium
5.1	S-WZC4QV	RC-EV-2X4-41W-CA-S-TCP-(Blank, EM, MS)	Indoor	Premium