

ALPS E3 HYDRO

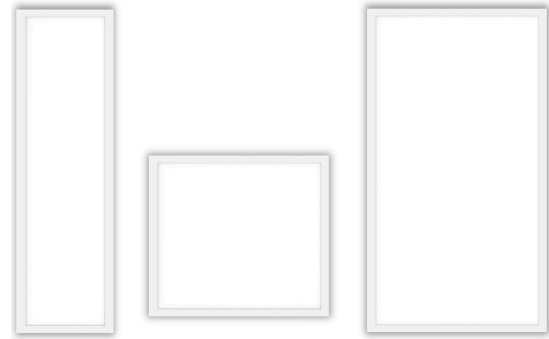
Built for food preparation, cleaning and sanitation areas, ALPS E3 HYDRO carries an NSF Level 2 rating and IP65 protection. Optimal LED placement gives a uniformly lit space, with switchable CCT and power at 125lm/W.

Food Preparation

Healthcare

Schools

Retail



Key Specifications

Electrical

Input voltage	120-277/347V
Power factor	0.9
THD	< 20%
Dimming	0-10V
Power	25W to 60W

Optical

Lumens	3125lm to 7500lm
Efficacy	~125lm/W
CRI	80
CCT	Switchable 3500K-5000K
Distribution	120°

Physical

Sizes	1x4 • 2x2 • 2x4
Mounting	Surface • Suspended • Gypsum • Grid
Ambient	-20°C to 45°C
Application	IC rated • Wet location
Protection	NSF Level 2 Food Safe • IP65
Accessories	Mounting kits • EMBB • Sensor

Certifications

Listings	UL • NSF • 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](#)

AE-RC-APB

01 **FIXTURE FAMILY**



AE-RC-APB

ERALUX ALPS E3 commercial back-lit flat panel

02 **POWER | CCT**

-XXW

-XXW

Power switchable · 3500/4000/5000K selectable

03 **SIZE**

14

1x4ft
25/30/40W

22

2x2ft
25/30/40W

24

2x4ft
40/50/60W

14 · 22 · 24

1x4 and 2x2: 3125/3750/5000lm · 2x4: 5000/6250/7500lm

04 **CONTROLS**

-28CDM

0-10V dimming

05 **VOLTAGE**

-H-03

120-277/347V

06 **OPTION**

-HYD

Level 2 food safe
certification

-HYD

NSF level 2 food safe certification

Mounting kits and the suspension kit are ordered from page 03, the emergency battery backup from page 05. Installation instructions: [Install Instruction link](#)

Accessory Ordering Guide

Mounting kit

RESET

AE-RC-M

01

FIXTURE FAMILY

ALPS

E3

AE-RC-M

ERALUX commercial mounting options

02

MOUNTING OPTION

BGYPK

Gypsum kit

SMK-

Surface mount kit
3in

03

SIZE

1X4

1x4ft

2X2

2x2ft

2X4

2x4ft

Suspension kit

RESET

AE-RC-MB

01

FIXTURE FAMILY

ALPS

E3

AE-RC-MB

ERALUX commercial mounting options

02

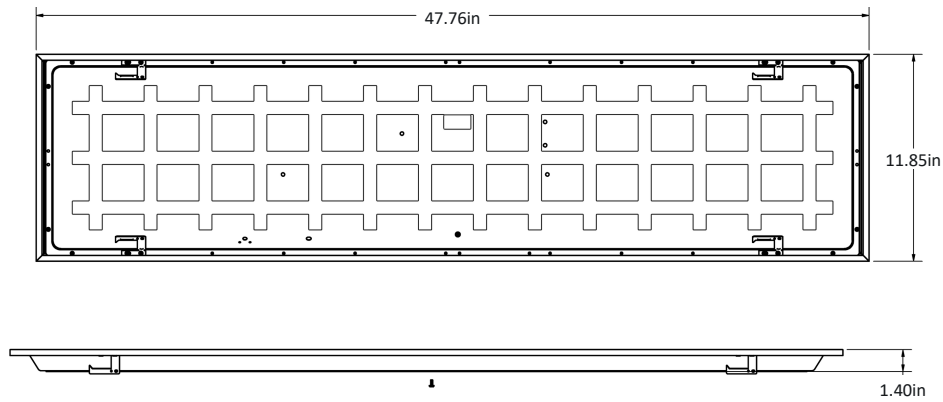
MOUNTING OPTION

-HK

Suspension kit ¹

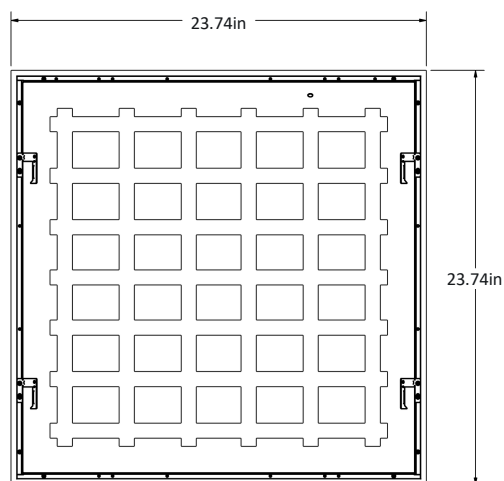
1. For a more aesthetic look the suspension kit and the surface mount kit can be ordered together.

Dimensions

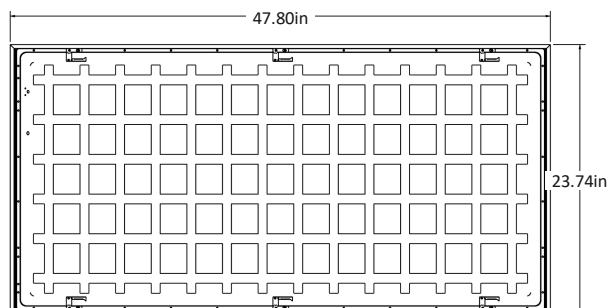


-XXW14 1x4

Dimensions (continued)



-XXW22 2x2



-XXW24 2x4

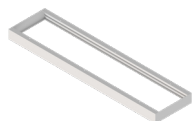
Mounting Accessories

Gypsum Kit - recessed gypsum



ORDERING CODE	LENGTH	WIDTH	HEIGHT	CUT OUT LENGTH	CUT OUT WIDTH
AE-RC-MBGYPK1X4	49.1in	13.3in	1.5in	48.3in - 48.7in	12.5in - 12.9in
AE-RC-MBGYPK2X2	25.1in	25.1in	1.5in	24.3in - 24.7in	24.3in - 24.7in
AE-RC-MBGYPK2X4	49.1in	25.1in	1.5in	48.3in - 48.7in	24.3in - 24.7in

Surface Mount Kit



ORDERING CODE	LENGTH	WIDTH	HEIGHT
AE-RC-MSMK-1X4	48in	12.2in	2.91in
AE-RC-MSMK-2X2	24in	24in	2.91in
AE-RC-MSMK-2X4	48in	24in	2.91in

Mounting Accessories (continued)

Suspension Kit



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

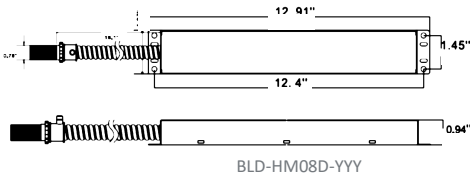
Accessories

Emergency Battery Backup

BLD-HM08D-YYY 8W · BLD-HM15D-YYY 15W · BLD-HM25D-YYY 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 32°F to 122°F
Installation	Remote

Emergency battery backup

[RESET](#)

BLD-HM

01 **EMBB**

Blank

No EMBB

08D-YYY

8W emergency battery backup

15D-YYY

15W emergency battery backup

25D-YYY

25W emergency battery backup

Photometric Data

Lumen Estimate Adjustment Factors

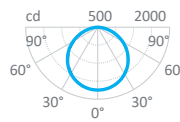
Lumen output varies based on CCT and CRI. An estimate of lumen output of the various CCT/CRI combinations, use correction factors as per table below (80CRI):

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

AE-RC-APB-XXW14-28CDM-H-03

1x4 · 40W · 3000K

		ZONE	LUMENS	% FIXTURE
Wattage	40.4W	0-20°	639.69	12.71
CCT	3000K	0-30°	1360.90	27.04
Distribution	120°	0-40°	2233.85	44.38
		0-60°	3965.76	78.80
		0-80°	4942.38	98.20
		0-90°	5032.95	100.00

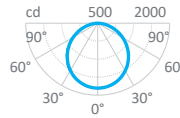


DISTANCE	CENTER Fc	BEAM WIDTH	
1.7ft	604	5.3ft	5.1ft
3.3ft	160	10.2ft	9.9ft
5.0ft	69.9	15.5ft	15.0ft
6.7ft	38.9	20.8ft	20.1ft
8.3ft	25.4	25.8ft	24.9ft
10.0ft	17.5	31.0ft	30.0ft
Vert. spread			114.4°
Horiz. spread			112.6°

AE-RC-APB-XXW22-28CDM-H-03

2x2 · 40W · 3000K

		ZONE	LUMENS	% FIXTURE
Wattage	39.7W	0-20°	659.52	12.68
CCT	3000K	0-30°	1400.85	26.94
Distribution	120°	0-40°	2295.15	44.13
		0-60°	4062.69	78.12
		0-80°	5089.63	97.87
		0-90°	5200.54	100.00

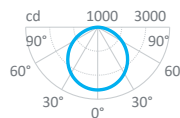


DISTANCE	CENTER Fc	BEAM WIDTH	
1.7ft	624	5.1ft	5.1ft
3.3ft	166	9.8ft	10.0ft
5.0ft	72.1	14.9ft	15.1ft
6.7ft	40.2	20.0ft	20.3ft
8.3ft	26.2	24.7ft	25.1ft
10.0ft	18.0	29.8ft	30.3ft
Vert. spread			112.2°
Horiz. spread			113.1°

AE-RC-APB-XXW24-28CDM-H-03

2x4 · 60W · 3000K

		ZONE	LUMENS	% FIXTURE
Wattage	59.8W	0-20°	956.87	12.69
CCT	3000K	0-30°	2034.12	26.98
Distribution	120°	0-40°	3335.70	44.24
		0-60°	5912.90	78.42
		0-80°	7390.36	98.02
		0-90°	7539.82	100.00



DISTANCE	CENTER Fc	BEAM WIDTH	
1.7ft	905	5.2ft	5.1ft
3.3ft	240	10.0ft	10.0ft
5.0ft	105	15.2ft	15.1ft
6.7ft	58.2	20.4ft	20.3ft
8.3ft	38.0	25.2ft	25.1ft
10.0ft	26.1	30.4ft	30.2ft
Vert. spread			113.3°
Horiz. spread			113.1°

Sensors

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					
 Detecta AE-CT-DT806	PIR Microphonics	9.8–32.75ft	IR remote	On/Off	Ceiling · no power pack
Remote control RC102					

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