

ALPS E2

The energy-efficient upgrade for existing recessed commercial ceilings: a 1x4 back-lit flat panel with switchable power and CCT at 125lm/W, DLC Premium listed and IC rated.

Commercial Office

Healthcare

Schools

Retail



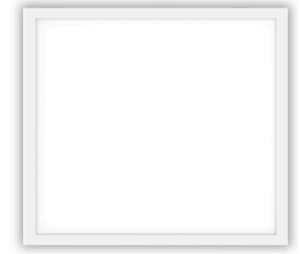
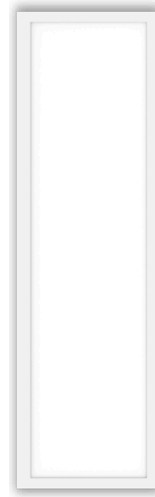
Project Information

Type: _____ Date: _____

Project: _____

Catalog #: _____

Notes: _____



Key Specifications

Electrical

Input voltage	120-277V • 120-277/347V
Power factor	> 0.9
THD	< 20%
Dimming	0-10V
Power	25/30/35W

Optical

Lumens	3125/3750/4375lm
Efficacy	~125lm/W
CRI	80
CCT	Switchable 3000K-5000K
Distribution	120°

Physical

Size	1x4
Dimensions	47.76in x 11.85in x 1.80in
Mounting	Surface • Suspended • Gypsum • Grid
Ambient	-20°C to 45°C
Application	IC rated • Damp location
Accessories	Mounting kits • EMBB • Sensor

Certifications

Listings	UL • 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).

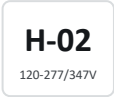
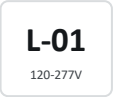
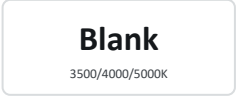
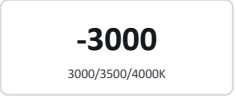
Ordering Guide - Fixture

Assembled Catalog Number

[RESET](#)

AE-RC-APB

Catalog #:

01	FIXTURE FAMILY		AE-RC-APB ERALUX ALPS E2 commercial back-lit flat panel
02	POWER		-XXW Power switchable 25/30/35W
03	SIZE		14 1x4ft · 25/30/35W · 3125/3750/4375lm
04	CONTROLS	 	-28CDM · -28CDS 0-10V dimming · microwave motion sensor
05	INPUT VOLTAGE	 	H-02 · L-01 -28CDM pairs with H-02 (120-277/347V), -28CDS with L-01 (120-277V)
06	CCT	 	Blank · -3000 Field-selectable CCT: 3500/4000/5000K or 3000/3500/4000K

1. The 2x2 size is no longer available. 2. Both CCT options are field selectable on the fixture. Mounting kits, the suspension kit and the emergency battery backup are ordered from page 03.

Accessory Ordering Guide

Mounting kit

RESET

AE-RC-M

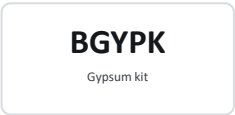
Catalog #:

01 FIXTURE FAMILY

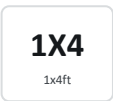


AE-RC-M
ERALUX commercial mounting options

02 MOUNTING OPTION



03 SIZE



Suspension kit

RESET

AE-RC-MB

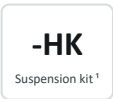
Catalog #:

01 FIXTURE FAMILY



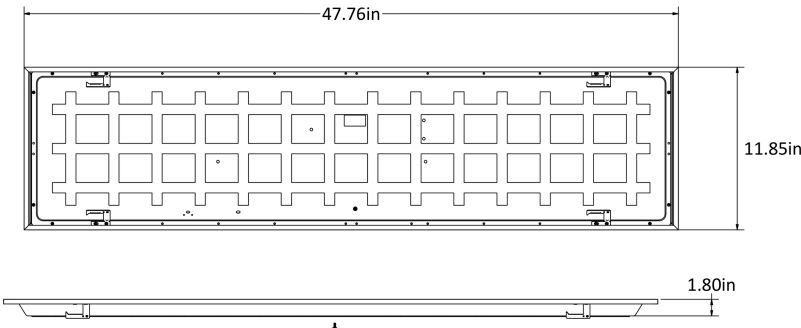
AE-RC-MB
ERALUX commercial mounting options

02 MOUNTING OPTION



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

Dimensions

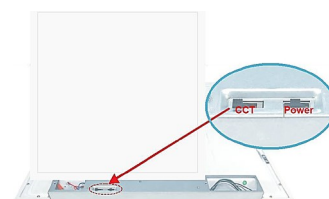


AE-RC-APB-XXW14 1x4 back-lit flat panel

Dimensions (continued)

Innovative Design

- Aluminum die-cast frame
- Enhanced quality diffuser ensures high efficiency light output for a clean, evenly illuminated surface



Mounting Accessories

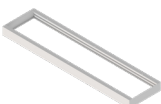
Ordered separately, field installed. [Install Instructions](#)

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

Surface Mount Kit



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

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

Accessories (continued)



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

Catalog #:

01 **EMBB**

Blank

No EMBB

08D-YYY

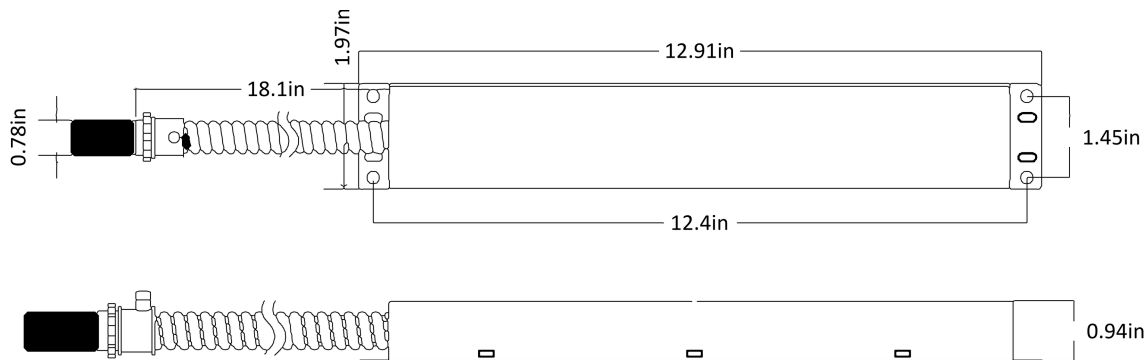
8W emergency battery backup

15D-YYY

15W emergency battery backup

25D-YYY

25W emergency battery backup



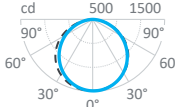
BLD-HM08D-YYY

Photometric Data

Lumen Estimate Adjustment Factors

3500K × 0.97 4000K × 1.00 5000K × 1.03

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

AE-RC-APB-XXW14-28CDMH-02								
		ZONE	LUMENS	% FIXTURE				
1x4 · 35W · 3000K		0-20°	547.25	12.24				
Wattage	35.8W	0-30°	1168.95	26.15				
CCT	3000K	0-40°	1928.57	43.15				
Distribution	120°	0-60°	3462.55	77.47				
		0-80°	4372.16	97.82				
		0-90°	4466.64	99.93				
		DISTANCE	CENTER Fc	BEAM WIDTH				
		1.7ft	515	5.2ft	5.9ft			
		3.3ft	137	10.0ft	11.4ft			
		5.0ft	59.6	15.2ft	17.2ft			
		6.7ft	33.2	20.3ft	23.1ft			
		8.3ft	21.6	25.2ft	28.6ft			
		10.0ft	14.9	30.4ft	34.5ft			
		Vert. spread				113.2°		
		Horiz. spread				119.8°		

Sensors

Non-Bluetooth Sensors set up by IR remote

Product	Detection type	Detection range	Set-up	Dimming protocol	Installation
 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.

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.

Primary Use: 1x4 Luminaires for Ambient Lighting of Interior Commercial Space **Classification:** Premium

DLC	PRODUCT ID	MODEL NUMBER	CATEGORY	CLASS
5.1	S-5ELXM9	AE-RC-APB-20W14-28[RDM,RDS,RDE,RSE,CDM,CDS,CDE,CSE][L,H]-01	Indoor	Premium
5.1	S-UFCYPQ	AE-RC-APB-20W22-28[RDM,RDS,RDE,RSE,CDM,CDS,CDE,CSE][L,H]-01	Indoor	Premium
5.1	S-XG2TN7	AE-RC-APB-25W14-28[CDM,CDS,CDE,CSE][L,H]-02	Indoor	Premium
5.1	S-9T0LAY	AE-RC-APB-25W14-28[RDM,RDS,RDE,RSE,CDM,CDS,CDE,CSE][L,H]-01	Indoor	Premium
5.1	S-I06RL3	AE-RC-APB-25W22-28[CDM,CDS,CDE,CSE][L,H]-02	Indoor	Premium
5.1	S-Q4XGV5	AE-RC-APB-25W22-28[DDM,DDS,DDE,DSE][L,H]-013000K	Indoor	Premium
5.1	S-1WCFKE	AE-RC-APB-25W22-28[DDM,DDS,DDE,DSE][L,H]-013500K	Indoor	Premium
5.1	S-BCJ30R	AE-RC-APB-25W22-28[DDM,DDS,DDE,DSE][L,H]-014000K	Indoor	Premium
5.1	S-ZU2P1Y	AE-RC-APB-25W22-28[DDM,DDS,DDE,DSE][L,H]-015000K	Indoor	Premium
5.1	S-NA173X	AE-RC-APB-25W22-28[RDM,RDS,RDE,RSE,CDM,CDS,CDE,CSE][L,H]-01	Indoor	Premium
5.1	S-QGPMSO	AE-RC-APB-30W14-28[CDM,CDS,CDE,CSE][L,H]-02	Indoor	Premium
5.1	S-ML7IXT	AE-RC-APB-30W14-28[RDM,RDS,RDE,RSE,CDM,CDS,CDE,CSE][L,H]-01	Indoor	Premium
5.1	S-UKSVL4	AE-RC-APB-30W22-28[CDM,CDS,CDE,CSE][L,H]-02	Indoor	Premium
5.1	S-OA21HW	AE-RC-APB-30W22-28[RDM,RDS,RDE,RSE,CDM,CDS,CDE,CSE][L,H]-01	Indoor	Premium
5.1	S-TOVI16	AE-RC-APB-30W24-28[CDM,CDS,CDE,CSE][L,H]-02	Indoor	Premium
5.1	S-IWZN5H	AE-RC-APB-35W14-28[CDM,CDS,CDE,CSE][L,H]-02	Indoor	Premium
5.1	S-9F01XG	AE-RC-APB-35W14-28[RDM,RDS,RDE,RSE,CDM,CDE,CSE][L,H]-01	Indoor	Premium
5.1	S-CLT4PE	AE-RC-APB-35W22-28[CDM,CDS,CDE,CSE][L,H]-02	Indoor	Premium
5.1	S-GZBDWS	AE-RC-APB-35W22-28[RDM,RDS,RDE,RSE,CDM,CDE,CSE][L,H]-01	Indoor	Premium
5.1	S-D2YEFN	AE-RC-APB-35W24-28[RDM,RDS,RDE,RSE,CDM,CDE,CSE][L,H]-01	Indoor	Premium
5.1	S-HWDTKJ	AE-RC-APB-36W14-28[RDM,RDS,RDE,RSE,CDM,CDS,CDE,CSE][L,H]-01	Indoor	Premium
5.1	S-QIA1FD	AE-RC-APB-40W24-28[CDM,CDS,CDE,CSE][L,H]-02	Indoor	Premium
5.1	S-1RDUFG	AE-RC-APB-40W24-28[RDM,RDS,RDE,RSE,CDM,CDE,CSE][L,H]-01	Indoor	Premium
5.1	S-LQKW75	AE-RC-APB-45W24-28[RDM,RDS,RDE,RSE,CDM,CDE,CSE][L,H]-01	Indoor	Premium
5.1	S-G7TP2E	AE-RC-APB-50W24-28[CDM,CDS,CDE,CSE][L,H]-02	Indoor	Premium
5.1	S-Y72LO0	AE-RC-APB-50W24-28[RDM,RDS,RDE,RSE,CDM,CDE,CSE][L,H]-01	Indoor	Premium