

ALPS E3

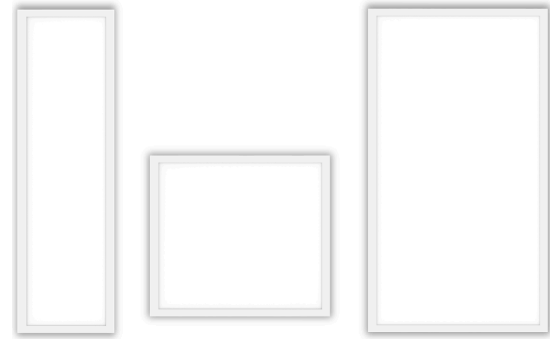
Back-lit panel lighting for offices, schools and healthcare, in 1x4, 2x2 and 2x4. ALPS E3 offers switchable power and switchable CCT at ~125lm/W, with 0-10V dimming, an optional 1% driver and a bi-level PIR sensor.

Commercial Office

Healthcare

Schools

Retail



Key Specifications

Electrical

Input voltage	120-277/347V
Power factor	0.9
THD	< 20%
Dimming	0-10V · 1% dim
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 · 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](#)

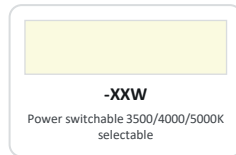
AE-RC-APB

Catalog #:

01 FIXTURE FAMILY



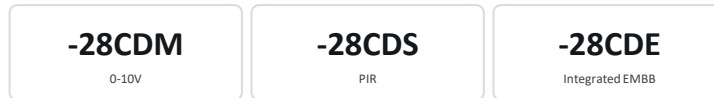
02 POWER | CCT



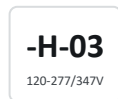
03 SIZE



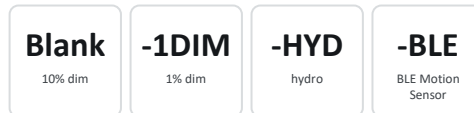
04 CONTROLS



05 VOLTAGE



06 OPTION



For more aesthetic look suspension and surface mount kit can be ordered together

Accessory Ordering Guide

TROFFER MOUNTING KIT

Assembled Catalog Number

[RESET](#)

AE-RC-M

Catalog #:

01 MOUNTING OPTION

BGYPK
Gypsum Kit

SMK-
Surface Mount
Kit-3in thickness

02 SIZE

1X4
1X4'

2X2
2X2'

2X4
2X4'

TROFFER HANGING KIT

Assembled Catalog Number

AE-RC-MB-HK

01 FIXTURE FAMILY

AE-RC-MB-HK
TROFFER HANGING KIT

EMERGENCY BATTERY LOWBAY DOWNLIGHT

Assembled Catalog Number

[RESET](#)

BLD-HM

Catalog #:

01 POWER

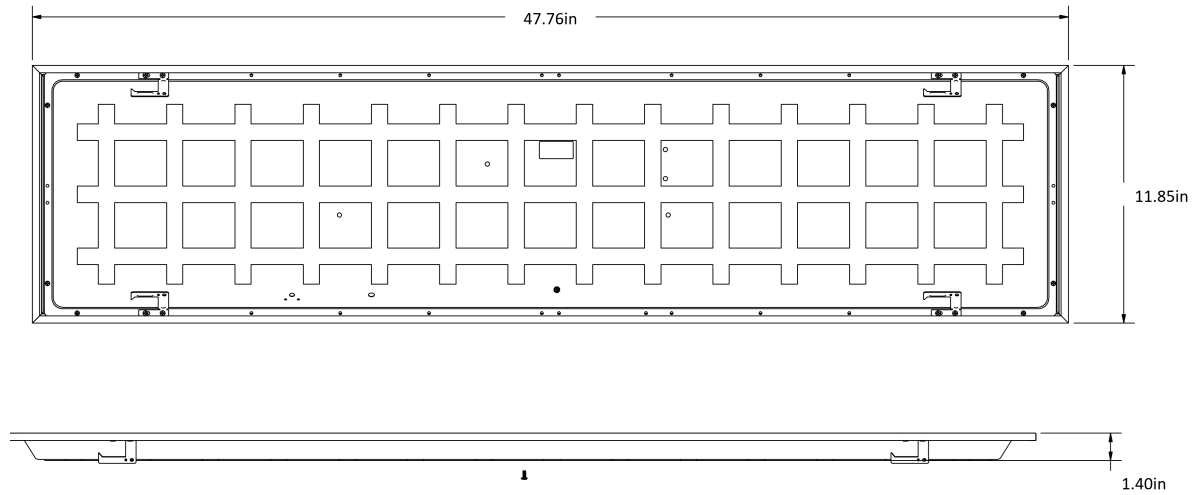
8
W
8D-YYY
8W

15
NOT AVAILABLE
15D-YYY
15W

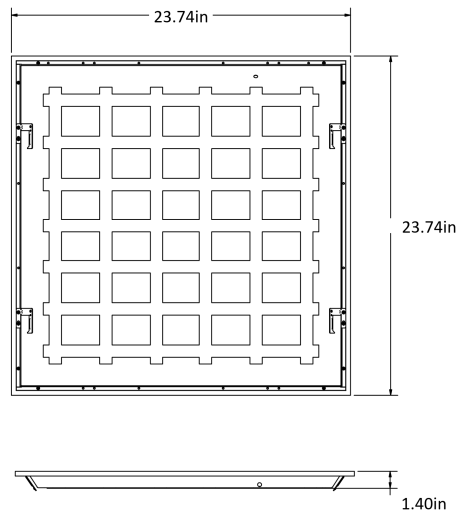
25
NOT AVAILABLE
25D-YYY
25W

Dimensions

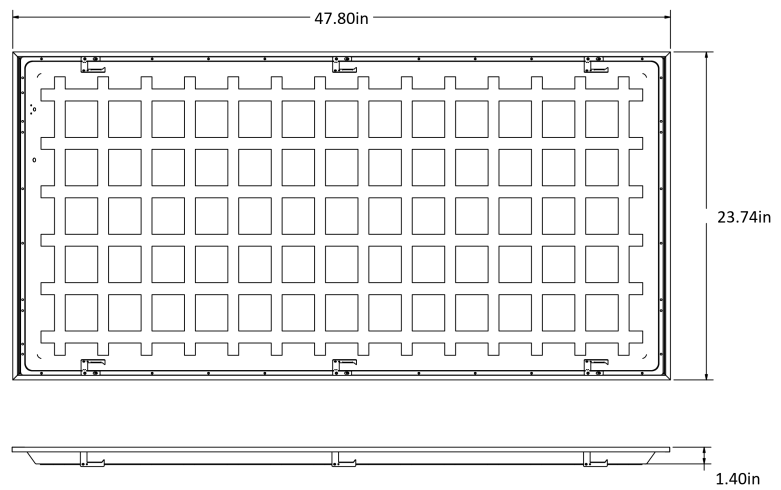
AE-RC-APB-XXW14 1x4



AE-RC-APB-XXW22 2x2



AE-RC-APB-XXW24 2x4



[Install Instruction ALPS GENB](#) · [Install Instruction ALPS GYPSUM KIT](#)

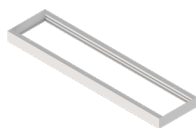
Mounting Accessories

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

Suspension Kit



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

Accessories

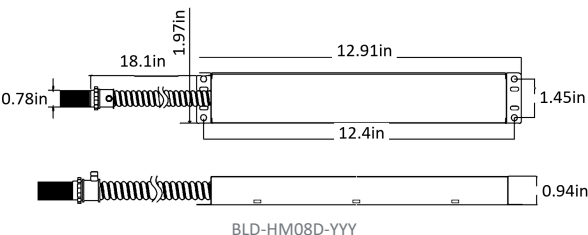
Emergency LED Driver (BLD-HMXXD-YYY)

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

01 **EMBB**

Blank

No EMBB

08D-YYY

8W emergency battery backup

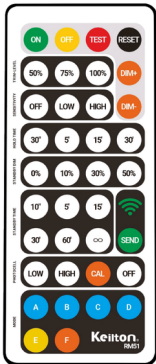
15D-YYY

15W emergency battery backup

25D-YYY

25W emergency battery backup

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)

Photometric Data

Lumen Estimate Adjustment Factors

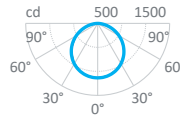
3500K $\times 0.97$ 4000K $\times 1.00$ 5000K $\times 1.03$

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

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

1x4 · 25W · 3000K

	Wattage	23.8W	0-20°	416.10	12.56
	CCT	3000K	0-30°	885.86	26.75
	Distribution	120°	0-40°	1455.31	43.94
			0-60°	2587.97	78.14
			0-80°	3240.73	97.85
			0-90°	3310.69	99.96

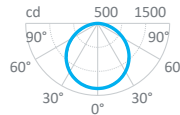


DISTANCE	CENTER Fc	BEAM WIDTH
1.7ft	393	5.3ft 5.2ft
3.3ft	104	10.2ft 10.0ft
5.0ft	45.4	15.5ft 15.2ft
6.7ft	25.3	20.7ft 20.4ft
8.3ft	16.5	25.7ft 25.2ft
10.0ft	11.4	31.0ft 30.4ft
Vert. spread		114.3°
Horiz. spread		113.3°

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

1x4 · 30W · 3000K

	Wattage	28.9W	0-20°	497.35	12.56
	CCT	3000K	0-30°	1058.84	26.75
	Distribution	120°	0-40°	1739.47	43.94
			0-60°	3093.29	78.14
			0-80°	3873.50	97.85
			0-90°	3957.12	99.96

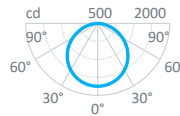


DISTANCE	CENTER Fc	BEAM WIDTH
1.7ft	469	5.3ft 5.2ft
3.3ft	125	10.2ft 10.0ft
5.0ft	54.3	15.5ft 15.2ft
6.7ft	30.2	20.7ft 20.4ft
8.3ft	19.7	25.7ft 25.2ft
10.0ft	13.6	31.0ft 30.4ft
Vert. spread		114.3°
Horiz. spread		113.3°

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

1x4 · 40W · 3000K

	Wattage	39.1W	0-20°	640.20	12.56
	CCT	3000K	0-30°	1362.95	26.75
	Distribution	120°	0-40°	2239.08	43.94
			0-60°	3981.74	78.14
			0-80°	4986.04	97.85
			0-90°	5093.68	99.96

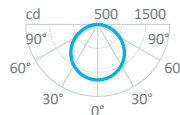


DISTANCE	CENTER Fc	BEAM WIDTH
1.7ft	604	5.3ft 5.2ft
3.3ft	160	10.2ft 10.0ft
5.0ft	69.9	15.5ft 15.2ft
6.7ft	38.9	20.7ft 20.4ft
8.3ft	25.4	25.7ft 25.2ft
10.0ft	17.5	31.0ft 30.4ft
Vert. spread		114.3°
Horiz. spread		113.3°

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

2x2 · 25W · 3000K

	Wattage	23.5W	0-20°	423.90	12.52
	CCT	3000K	0-30°	902.37	26.66
	Distribution	120°	0-40°	1482.46	43.79
			0-60°	2638.28	77.94
			0-80°	3309.89	97.78
			0-90°	3383.89	99.96



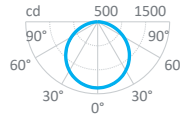
DISTANCE	CENTER Fc	BEAM WIDTH
1.7ft	400	5.3ft 5.2ft
3.3ft	106	10.2ft 10.1ft
5.0ft	46.3	15.5ft 15.4ft
6.7ft	25.8	20.8ft 20.6ft
8.3ft	16.8	25.7ft 25.5ft
10.0ft	11.6	31.0ft 30.7ft
Vert. spread		114.3°
Horiz. spread		113.8°

Photometric Data

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

2x2 · 30W · 3000K

	Wattage	28.6W	0-20°	504.53	12.52
	CCT	3000K	0-30°	1073.85	26.66
	Distribution	120°	0-40°	1763.86	43.79
			0-60°	3139.33	77.93
			0-80°	3938.18	97.76
			0-90°	4026.29	99.95

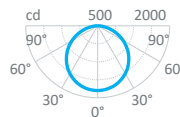


DISTANCE	CENTER Fc	BEAM WIDTH	
1.7ft	477	5.3ft	5.2ft
3.3ft	127	10.2ft	10.1ft
5.0ft	55.1	15.5ft	15.3ft
6.7ft	30.7	20.7ft	20.5ft
8.3ft	20.0	25.7ft	25.4ft
10.0ft	13.8	31.0ft	30.6ft
Vert. spread		114.3°	
Horiz. spread		113.7°	

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

2x2 · 40W · 3000K

	Wattage	39W	0-20°	658.84	12.52
	CCT	3000K	0-30°	1402.19	26.64
	Distribution	120°	0-40°	2303.77	43.77
			0-60°	4100.60	77.90
			0-80°	5144.97	97.74
			0-90°	5259.97	99.93

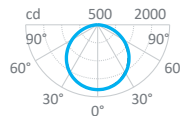


DISTANCE	CENTER Fc	BEAM WIDTH	
1.7ft	623	5.3ft	5.2ft
3.3ft	165	10.2ft	10.1ft
5.0ft	72.0	15.5ft	15.4ft
6.7ft	40.1	20.8ft	20.6ft
8.3ft	26.1	25.7ft	25.5ft
10.0ft	18.0	31.0ft	30.7ft
Vert. spread		114.4°	
Horiz. spread		113.9°	

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

2x4 · 40W · 3000K

	Wattage	39W	0-20°	660.21	12.56
	CCT	3000K	0-30°	1404.92	26.73
	Distribution	120°	0-40°	2306.99	43.89
			0-60°	4100.27	78.00
			0-80°	5134.39	97.67
			0-90°	5246.96	99.82

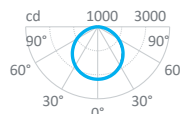


DISTANCE	CENTER Fc	BEAM WIDTH	
1.7ft	624	5.3ft	5.2ft
3.3ft	165	10.2ft	10.0ft
5.0ft	72.1	15.5ft	15.2ft
6.7ft	40.1	20.7ft	20.3ft
8.3ft	26.2	25.7ft	25.2ft
10.0ft	18.0	31.0ft	30.3ft
Vert. spread		114.3°	
Horiz. spread		113.2°	

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

2x4 · 50W · 3000K

	Wattage	48.2W	0-20°	801.10	12.56
	CCT	3000K	0-30°	1704.75	26.73
	Distribution	120°	0-40°	2799.34	43.89
			0-60°	4975.33	78.00
			0-80°	6230.15	97.67
			0-90°	6366.75	99.82



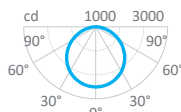
DISTANCE	CENTER Fc	BEAM WIDTH	
1.7ft	757	5.3ft	5.2ft
3.3ft	201	10.2ft	10.0ft
5.0ft	87.5	15.5ft	15.2ft
6.7ft	48.7	20.7ft	20.3ft
8.3ft	31.7	25.7ft	25.2ft
10.0ft	21.9	31.0ft	30.3ft
Vert. spread		114.3°	
Horiz. spread		113.2°	

Photometric Data

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

2x4 · 60W · 3000K

		ZONE	LUMENS	% FIXTURE
		0-20°	918.20	12.56
Wattage	57.3W	0-30°	1953.93	26.73
CCT	3000K	0-40°	3208.52	43.89
Distribution	120°	0-60°	5702.59	78.00
		0-80°	7140.82	97.67
		0-90°	7297.38	99.82



DISTANCE	CENTER Fc	BEAM WIDTH	
1.7ft	867	5.3ft	5.2ft
3.3ft	230	10.2ft	10.0ft
5.0ft	100	15.5ft	15.2ft
6.7ft	55.8	20.7ft	20.3ft
8.3ft	36.4	25.7ft	25.2ft
10.0ft	25.1	31.0ft	30.3ft
Vert. spread			114.3°
Horiz. spread			113.2°

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					
 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.

DLC	PRODUCT ID	MODEL NUMBER	CATEGORY	CLASS
5.1	S-0D3X15	AE-RC-APB-XXW14-28(CDM,CDS)-H-03	Indoor	Premium
5.1	S-K8X3V1	AE-RC-APB-XXW22-28(CDM,CDS)-H-03	Indoor	Premium
5.1	S-TZXYT8	AE-RC-APB-XXW24-28(CDM,CDS)-H-03	Indoor	Premium