ALPS E3 HYDRO

eralux®

	DATE	QTY	ACC. QTY	TYPE

PROJECT	
PN	AE-RC-APB-XXW-28CDM-H-03-HYD
ACCESSORY PN	
NOTES	

Commercial LED Lighting

Back-Lit Panel | 1x4, 2x2, 2x4 | NSF

The ALPS E3 series is a backlit flat panel designed with optimal LED placement to ensure a uniformly lit space. It features a switchable CCT and power driver that allows endless flexibility at the install site, as well as a 125 LPW performance. The additional Level 2 NSF rating of the ALPS E3 HYDRO makes this fixture perfect for food, cleaning and sanitation areas.

Applications: Food Preparation Spaces | Healthcare | Schools| Retail Merchandising Areas

DYNAMIC MENU

Ordering Guide	Page 2
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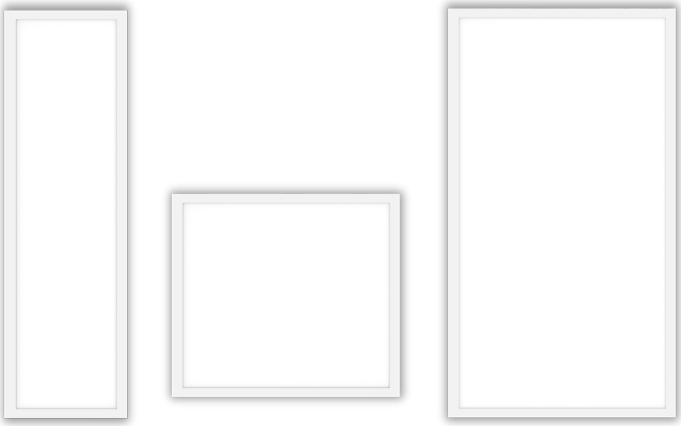
Install Instruction Link



SPECIFICATIONS

Input Voltage	120-277/347V	
Power Factor	0.9	
Total Harmonic Distortion	<20%	
Dimming	0-10V	
CRI	80 CRI	
CCT	35K 40K 50K	
Lumens Per Watt	~125LPW	
Power	1x4	25/30/40W
	2x2	25/30/40W
	2x4	40/50/60W
Ambient Temperature Range	-20˚C to 45˚C	
Distribution	120°	
Mounting options page 4	Surface Mount Suspended Recessed Gypsum Recessed T-grid	
Protection	NSF Level 2 Food Safe IP65	

PRODUCT FEATURES

POWER SWITCHABLE · CCT SWITCHABLE · Damp Location · IC Rated · Emergency backup battery · IP65

PRODUCT CERTIFICATIONS

5 YEARS WARRANTY eralux · RoHS · UL CERTIFIED SAFETY US/CA E511939 · NSF

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

LUMEN MAINTENANCE – L70 at 50,000 hours

Rated for 70% initial lumen output at 50,000 hours of operation, operated at 25˚C ambient temperature; per guidelines published by the Illuminating Engineering Society (IES).

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ORDERING GUIDE

RESET

AE-RC-APB	-XXW		-28CDM	-H-03	-HYD
AE-RC-APB ERALUX ALPS E3 Commercial Back-Lit Flat Panel	**-XXW** Power switchable 3500/4000/5000K selectable	**14** 1x4' 25/30/40W 3,125/3,750/5,000lm **22** 2x2' 25/30/40W 3,125/3,750/5,000lm **24** 2x4' 40/50/60W 5,000/6,250/7,500lm	**-28CDM** 0-10V Dimming	**-H-03** 120-277/347V	**-HYD** Level 2 Food Safe Certification
Fixture Family	**Power | CCT**	**Size**	**Controls**	**Voltage**	**Option**

ORDERING GUIDE - ACCESSORIES

RESET

AE-RC-M ERALUX Commercial Mounting Options	**BGYPK** Gypsum Kit **SMK-** Surface Mount Kit	**1X4** 1x4' **2X2** 2x2' **2X4** 2x4'
Fixture Family	**Mounting Option**	**Size**

AE-RC-MB ERALUX Commercial Mounting Options	**-HK**[1] Suspension kit
Fixture Family	**Mounting Option**

NOTES

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

[BLANK] No EMBB **BLD-HM8D-YYY** 8W emergency battery backup
EMBB

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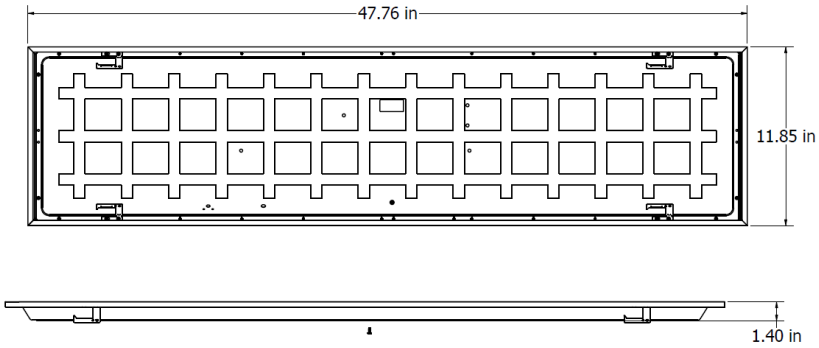
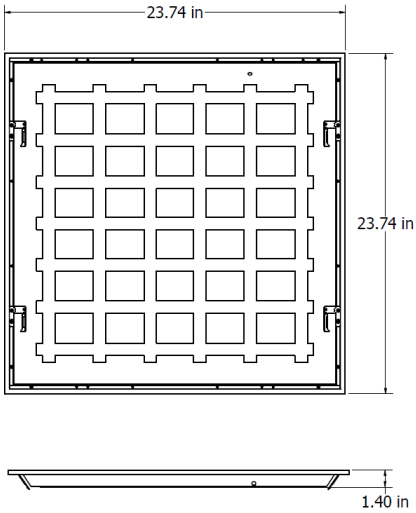
DIMENSIONS

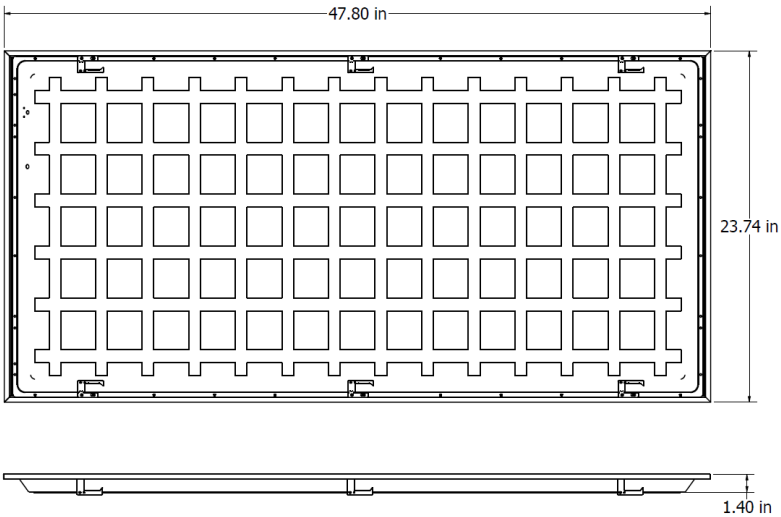
AE-RC-APB-XXW14



AE-RC-APB-XXW22



AE-RC-APB-XXW24



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MOUNTING ACCESSORIES

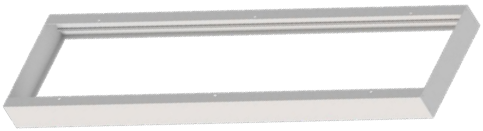
Ordered separately, field installed

GYPSUM KIT

Recessed Gypsum

ORDERING CODE	DIMENSIONS		
	LENGTH	WIDTH	HEIGHT
AE-RC-MBGYPK1X4	49.1’’	13.3’’	1.5’’
AE-RC-MBGYPK2X2	25.1’’	25.1’’	1.5’’
AE-RC-MBGYPK2X4	49.1’’	25.1’’	1.5’’

SURFACE MOUNT KIT



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

SUSEPENSION KIT

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

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CONTROLS

Ordered separately, field installed

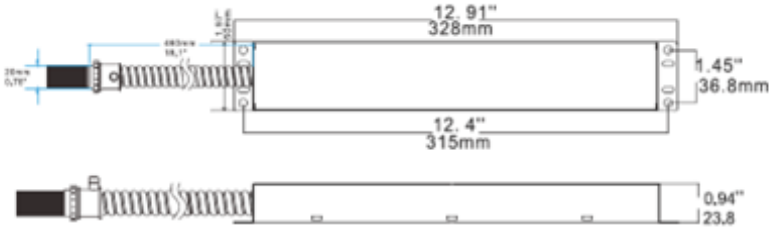
EMERGENCY LED DRIVER (BLD-HMXXD-YYY)

BLD-HM8D-YYY

BLD-HM25D-YYY

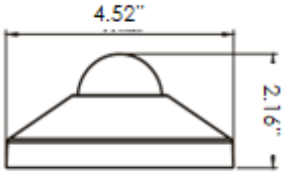
The BLD-HMXXD-YYY series LED Emergency Driver is UL listed for field and factory installations. It switches to emergency mode during power failures, providing up to 90 minutes of lighting. With an integrated battery, charger, and converter, it delivers 6-25W constant power at 170VDC. Ideal for 0-10V dimmable indoor commercial LED fixtures, such as flat panels, troffers, downlights, and linear strip lights.

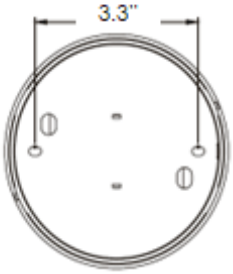
SPECIFICATIONS	
Input Voltage	100-347 Vac
Power Frequency	50/60HZ
Input Power	8W max
Output Voltage	170V Dc
Output Power	8W
Ambient Temperature	0˚C to 50˚C
	30˚F to 122˚F
Installation	Remote



ROOM OCCUPANCY SENSOR

PART NUMBER	DESCRIPTION
AE-CT-DT806	Detecta - Room Occupancy Sensor
RC102	RC102 Remote Control





SPECIFICATIONS		
Input Voltage	120-277 Vac	
Power Frequency	50/60HZ	
Rated Load	At 120 Vac	800W
	At 277 Vac	1200W
Detection Range	3-10 Meters	
	9.8- 32.8 Feet	
Standby Power	~0.9W	
Time Setting	10 sec to 30 min	
Light Control	10-2,000LUX	
Installation	Ceiling Mounted	

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LUMEN ESTIMATE

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:

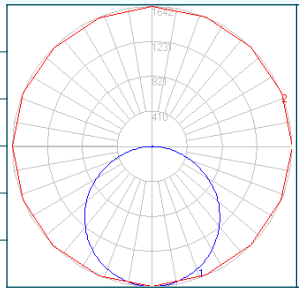
LUMEN ESTIMATE ADJUSTMENT FACTORS			
CCT	3500K	4000K	5000K
80CRI	0.97	1.00	1.03

PHOTOMETRIC DATA

PART NUMBER		ZONAL LUMEN SUMMARY		
AE-RC-APB-XXW14-28CDM-H-03		**Zone**	**Lumens**	**% Fixture**
Wattage	40W	0-20°	601.68	12.3
CCT	3000K	0-30°	1281.47	26.3
Distribution	120˚	0-40°	2107.15	43.2
		0-60°	3763.15	77.1
		0-80°	4748.76	97.4
		0-90°	4864.01	99.7

POLAR LUMINOUS INTENSITY

Direct Light



CONE DISTRIBUTION

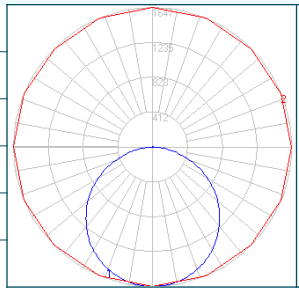
	Center Beam Fc	Beam Width	
1.7ft	567 fc	5.4 ft	5.3 ft
3.3ft	151 fc	10.5 ft	10.3 ft
5.0ft	65.6 fc	15.9 ft	15.6 ft
6.7ft	36.5 fc	21.3 ft	21.0 ft
8.3ft	23.8 fc	26.4 ft	26.0 ft
10.0ft	16.4 fc	31.8 ft	31.3 ft

Vert. Spread: 115.6°
Horiz. Spread: 114.8°

PART NUMBER		ZONAL LUMEN SUMMARY		
AE-RC-APB-XXW22-28CDM-H-03		**Zone**	**Lumens**	**% Fixture**
Wattage	40W	0-20°	603.89	12.5
CCT	3000K	0-30°	1285.35	26.6
Distribution	120˚	0-40°	2112.02	43.8
		0-60°	3763.22	78
		0-80°	4715.3	97.7
		0-90°	4814.14	99.7

POLAR LUMINOUS INTENSITY

Direct Light



CONE DISTRIBUTION

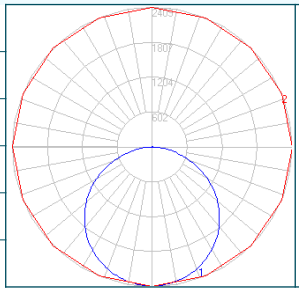
	Center Beam Fc	Beam Width	
1.7ft	569 fc	5.3 ft	5.3 ft
3.3ft	151 fc	10.3 ft	10.2 ft
5.0ft	65.8 fc	15.6 ft	15.5 ft
6.7ft	36.6 fc	20.9 ft	20.8 ft
8.3ft	23.9 fc	25.9 ft	25.7 ft
10.0ft	16.5 fc	31.2 ft	31.0 ft

Vert. Spread: 114.8°
Horiz. Spread: 114.3°

PART NUMBER		ZONAL LUMEN SUMMARY		
AE-RC-APB-XXW24-28CDM-H-03		**Zone**	**Lumens**	**% Fixture**
Wattage	60W	0-20°	879.45	12.5
CCT	3000K	0-30°	1871.44	26.6
Distribution	120˚	0-40°	3076.38	43.8
		0-60°	5485.85	78
		0-80°	6868	97.7
		0-90°	7010.58	99.7

POLAR LUMINOUS INTENSITY

Direct Light



CONE DISTRIBUTION

	Center Beam Fc	Beam Width	
1.7ft	833 fc	5.3 ft	5.2 ft
3.3ft	221 fc	10.4 ft	10.2 ft
5.0ft	96.3 fc	15.7 ft	15.4 ft
6.7ft	53.7 fc	21.0 ft	20.6 ft
8.3ft	35 fc	26.1 ft	25.6 ft
10.0ft	24.1 fc	31.4 ft	30.8 ft

Vert. Spread: 115.0°
Horiz. Spread: 114.0°

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ALPS E3 HYDRO

Commercial LED Lighting

Back-Lit Panel | 1x4, 2x2, 2x4 | NSF

eralux®

OVERVIEW

Innovative Design

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

Multiple Selections

- Power switchable.
- Three selectable CCT options.
- 1x4', 2x2' and 2x4' sizes.

POWER SWITCHABLE

CCT SWITCHABLE

Emergency Backup Battery

Mounting Options

- Surface Mount
- Suspended
- Recessed Gypsum
- Recessed T-grid

Tests And Certifications

5 YEARS WARRANTY eralux

RoHS

UL CERTIFIED SAFETY US-CA E511939

Damp Location

IC Rated

NSF

Protection

- NSF Level 2 Food Safe: Safe to use above food-preparation or food-processing areas
- IP65: Protection against dust and water-jets

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