

ALPS E3

Commercial LED Lighting

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

The ALPS E3 series is a backlit flat panel product designed with optimal LED placement to ensure a uniformly lit space. The average 125 LPW performance also makes the ALPs an ideal solution.

Applications: Commercial Office Spaces | Healthcare | Schools | Retail Merchandising Areas.

	DATE	QTY	ACC. QTY	TYPE
PROJECT				
PN				
ACCESSORY PN				
NOTES				



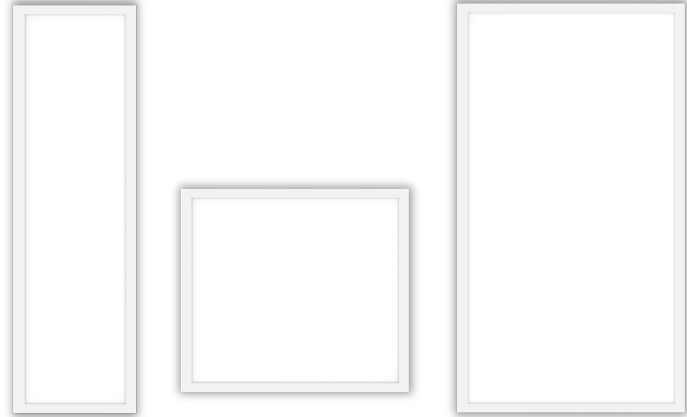
DYNAMIC MENU

Ordering Guide	Page 2
Dimensions	Page 3
Controls	Page 5
Photometric Data	Page 6

[Install Instructions](#)

SPECIFICATIONS

Input Voltage	120-347V	
Power Factor	0.9	
Total Harmonic Distortion	<20%	
Dimming	0-10V 1% DIM	
CRI	80 CRI	
CCT	<div style="display: flex; gap: 10px;"> 35K 40K 50K </div>	
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	



PRODUCT FEATURES



Damp Location



IC Rated



Emergency backup battery



Motion Sensor

PRODUCT CERTIFICATIONS



5 YEARS WARRANTY
eralux



RoHS



UL CERTIFIED
LOOK FOR THE UL MARK FOR DETAILS



DLC LISTED
PREMIUM

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" [page 7](#)

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).



ORDERING GUIDE

AE-RC-APB				-H-03	
AE-RC-APB ERALUX ALPS E3 Commercial Back-lit Flat Panel	-25W 25W 3,125 lm -30W 30W 3,750 lm -40W 40W 5,000 lm -50W 50W 6,250 lm -60W 60W 7,500 lm	14 1x4' 25 30 40W 22 2x2' 25 30 40W 24 2x4' 40 50 60W	-28CDM 0-10V Dimming -28CDS Bi-Level PIR Motion Sensor	-H-03 120-347Vac	-35 3500K -40 4000K -50 5000K

Fixture Family	Power CCT	Size	Controls	Voltage	CCT
----------------	-------------	------	----------	---------	-----



ORDERING GUIDE - ACCESSORIES

AE-RC-M ERALUX Commercial Mounting Options	BGYPK Gypsum Kit SMK- Surface Mount Kit-3" thickness	1X4 1x4' 2X2 2x2' 2X4 2x4'	AE-RC-MB ERALUX Commercial Mounting Options	-HK¹ Suspension kit

Fixture Family	Mounting Option	Size	Fixture Family	Mounting Option
----------------	-----------------	------	----------------	-----------------

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



[BLANK]

No EMBB

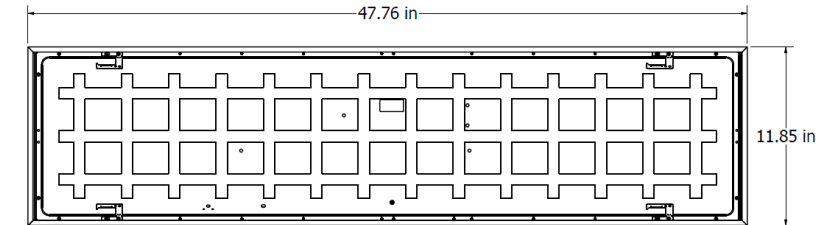
BLD-HM8D-YYY

8W emergency battery
backup

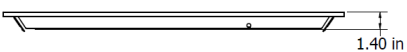
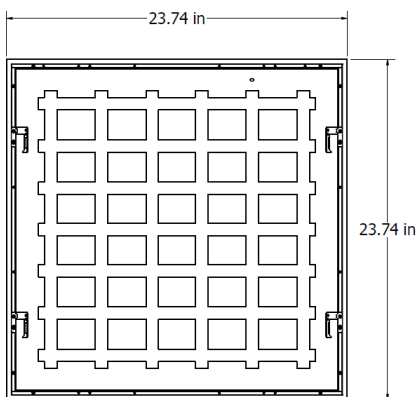


DIMENSIONS

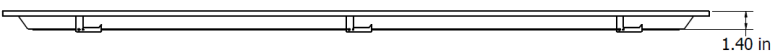
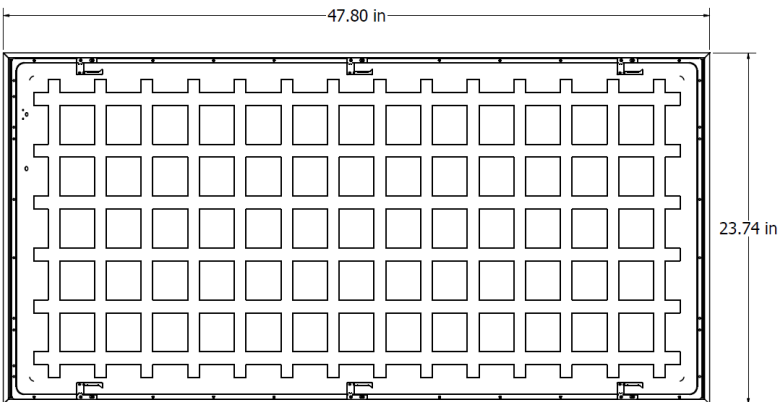
AE-RC-APB-XXW14



AE-RC-APB-XXW22



AE-RC-APB-XXW24



MOUNTING ACCESSORIES

Ordered separately, field installed

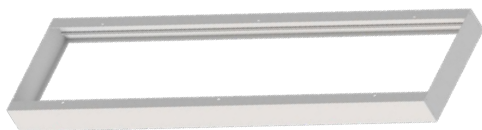
GYPSUM KIT

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'

CONTROLS

Bi-Level PIR Motion Sensor - IFS06R

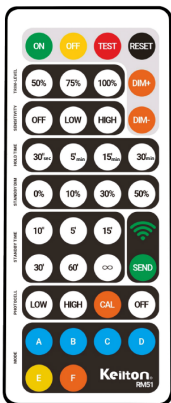
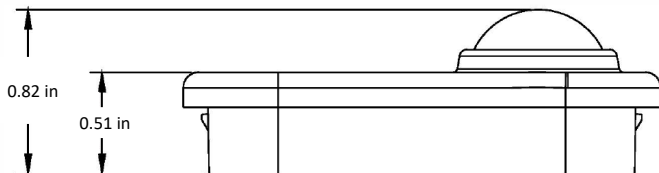
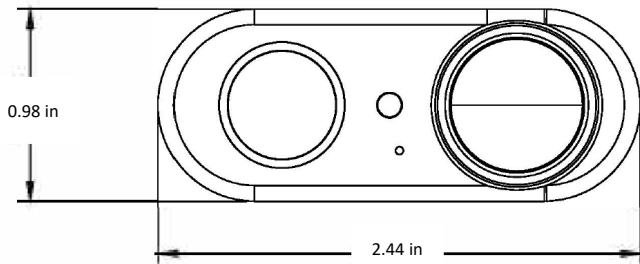
AE-RC-APB-XXWXX-28CDS

(Comes with fixture)



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.

SPECIFICATIONS	
Input Voltage	12V DC
IP Rated	IP20
Mounting Height	23 Feet max
	7 Meters
Detection Range	10 Meters
	32 Feet
Standby Power	<0.5W
Operating Temperature	-30°C to 55°C
Installation	Fixture integrated



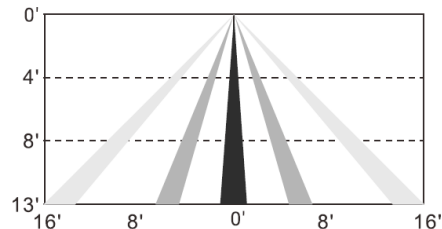
Remote control:

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



CONTROLS

Ordered separately, field installed

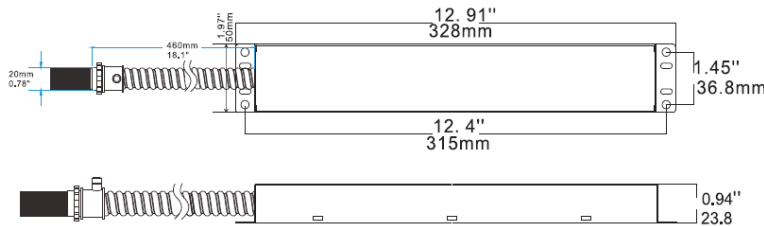
EMERGENCY LED DRIVER (BLD-HMXXD-YYY)

BLD-HM8D-YYY

BLD-HM25D-YYY

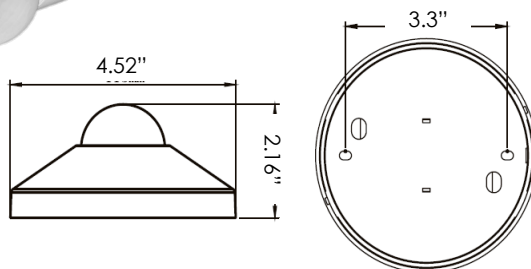


The BLD-HMXXD-YYY series LED Emergency Driver is UL listed for field and factory installations. It switches to emergency mode during power failures, providing up to 90 minutes of lighting. With an integrated battery, charger, and converter, it delivers 6-25W constant power at 170VDC. Ideal for 0-10V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



ROOM OCCUPANCY SENSOR

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



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

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

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			POLAR LUMINOUS INTENSITY	CONE DISTRIBUTION			
AE-RC-APB-XXW14-28CDM-H-03		Zone	Lumens	% Fixture	Direct Light	Center Beam Fc	Beam Width		
Wattage	40W	0-20°	601.68	12.3		1.7ft	567 fc	5.4 ft	5.3 ft
CCT	3000K	0-30°	1281.47	26.3		3.3ft	151 fc	10.5 ft	10.3 ft
Distribution	120°	0-40°	2107.15	43.2		5.0ft	65.6 fc	15.9 ft	15.6 ft
		0-60°	3763.15	77.1		6.7ft	36.5 fc	21.3 ft	21.0 ft
		0-80°	4748.76	97.4		8.3ft	23.8 fc	26.4 ft	26.0 ft
		0-90°	4864.01	99.7		10.0ft	16.4 fc	31.8 ft	31.3 ft
						■ Vert. Spread: 115.6° ■ Horiz. Spread: 114.8°			

PART NUMBER		ZONAL LUMEN SUMMARY			POLAR LUMINOUS INTENSITY	CONE DISTRIBUTION			
AE-RC-APB-XXW22-28CDM-H-03		Zone	Lumens	% Fixture	Direct Light	Center Beam Fc	Beam Width		
Wattage	40W	0-20°	603.89	12.5		1.7ft	569 fc	5.3 ft	5.3 ft
CCT	3000K	0-30°	1285.35	26.6		3.3ft	151 fc	10.3 ft	10.2 ft
Distribution	120°	0-40°	2112.02	43.8		5.0ft	65.8 fc	15.6 ft	15.5 ft
		0-60°	3763.22	78		6.7ft	36.6 fc	20.9 ft	20.8 ft
		0-80°	4715.3	97.7		8.3ft	23.9 fc	25.9 ft	25.7 ft
		0-90°	4814.14	99.7		10.0ft	16.5 fc	31.2 ft	31.0 ft
						■ Vert. Spread: 114.8° ■ Horiz. Spread: 114.3°			

PART NUMBER		ZONAL LUMEN SUMMARY			POLAR LUMINOUS INTENSITY	CONE DISTRIBUTION			
AE-RC-APB-XXW24-28CDM-H-03		Zone	Lumens	% Fixture	Direct Light	Center Beam Fc	Beam Width		
Wattage	60W	0-20°	879.45	12.5		1.7ft	833 fc	5.3 ft	5.2 ft
CCT	3000K	0-30°	1871.44	26.6		3.3ft	221 fc	10.4 ft	10.2 ft
Distribution	120°	0-40°	3076.38	43.8		5.0ft	96.3 fc	15.7 ft	15.4 ft
		0-60°	5485.85	78		6.7ft	53.7 fc	21.0 ft	20.6 ft
		0-80°	6868	97.7		8.3ft	35 fc	26.1 ft	25.6 ft
		0-90°	7010.58	99.7		10.0ft	24.1 fc	31.4 ft	30.8 ft
						■ Vert. Spread: 115.0° ■ Horiz. Spread: 114.0°			

OVERVIEW



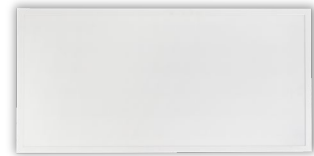
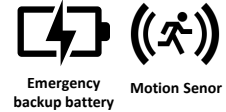
Innovative Design

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



Multiple Selections

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



Mounting Options

- Surface Mount
- Suspended
- Recessed Gypsum
- Recess T-grid
- Suspended with surface mount kit



Tests And Certifications



DLC MODEL

PRODUCT ID

AE-RC-APB-XXW14-28(CDM,CDS)-H-03	S-0D3X15
AE-RC-APB-XXW22-28(CDM,CDS)-H-03	S-K8X3V1
AE-RC-APB-XXW24-28(CDM,CDS)-H-03	S-TZXYT8



Feature

- Dim down to 1% option