

# 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. It features a switchable CCT and power driver that allows endless flexibility at the install site. 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        |      |     |          |      |



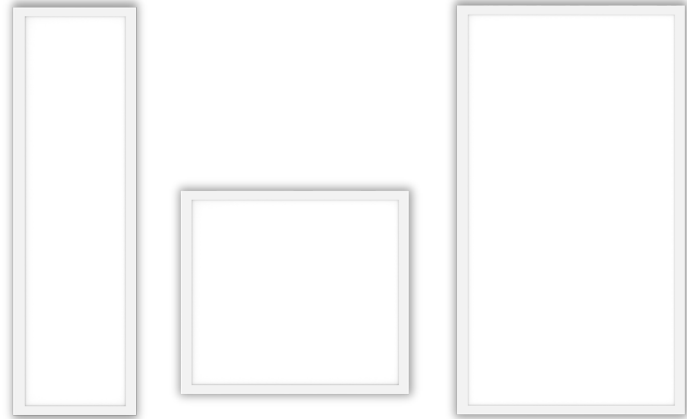
### DYNAMIC MENU

|                  |                        |
|------------------|------------------------|
| Ordering Guide   | <a href="#">Page 2</a> |
| Dimensions       | <a href="#">Page 3</a> |
| Controls         | <a href="#">Page 5</a> |
| Photometric Data | <a href="#">Page 7</a> |

[Install Instructions](#)

### SPECIFICATIONS

|   |  |           |
|---|--|-----------|
| Input Voltage                           | 120-347V   |           |
| Power Factor                            | 0.9  |           |
| Total Harmonic Distortion               | <20%   |           |
| Dimming                                 | 0-10V<br>1% DIM  |           |
| CRI                                     | 80 CRI   |           |
| CCT                                     | <span>35K</span> <span>40K</span> <span>50K</span>                 |           |
| 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 <a href="#">page 4</a> | Surface Mount<br>Suspended<br>Recessed- Gypsum<br>Recessed -T grid |           |



### PRODUCT FEATURES



### PRODUCT CERTIFICATIONS



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](http://www.designlights.org/QPL) to confirm which versions are qualified" [page 8](#)

### 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

|   |  |  |  |                            |   |
|---|--|--|--|----------------------------|---|
| <b>AE-RC-APB</b>  | <b>-XXW</b>  |  |  | <b>-H-03</b>               |   |
| <b>AE-RC-APB</b><br>ERALUX ALPS E3<br>Commercial Back-lit Flat<br>Panel | <b>-XXW</b><br>Power switchable<br><br>3500/4000/5000K<br>selectable | <b>14</b><br>1x4'<br>25/30/40W<br>3,125/3,750/5000lm<br><b>22</b><br>2x2'<br>25/30/40W<br>3,125/3,750/5000lm<br><b>24</b><br>2x4'<br>40/50/60W<br>5,000/6,250/7500lm | <b>-28CDM</b><br>0-10V Dimming<br><b>-28CDS</b><br>Bi-Level PIR<br>Motion Sensor | <b>-H-03</b><br>120-347Vac | <b>[Blank]</b><br>Down to 10%<br><b>-1DIM</b><br>Down to 1% |
| <b>Fixture Family</b>   | <b>Power   CCT</b>   | <b>Size</b>  | <b>Controls</b>  | <b>Voltage</b>             | <b>Dimming</b>  |



### ORDERING GUIDE - ACCESSORIES

|  |   |  |   |  |
|--|---|--|---|--|
|  |   |  |   |  |
| <b>AE-RC-M</b><br>ERALUX<br>Commercial<br>Mounting Options | <b>BGYPK</b><br>Gypsum Kit<br><b>BSMK-</b><br>Surface Mount Kit-2" thickness<br><b>SMK-</b><br>Surface Mount Kit-3" thickness | <b>1X4</b><br>1x4'<br><b>2X2</b><br>2x2'<br><b>2X4</b><br>2x4' | <b>AE-RC-MB</b><br>ERALUX<br>Commercial<br>Mounting Options | <b>-HK<sup>1</sup></b><br>Suspension kit |
| <b>Fixture Family</b>                                      | <b>Mounting Option</b>  | <b>Size</b>  | <b>Fixture Family</b>                                       | <b>Mounting Option</b>                   |

#### NOTES

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



**[BLANK]**

No EMBB

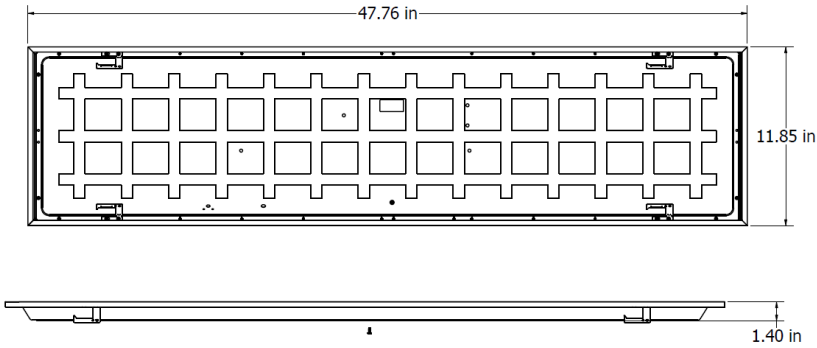
**BLD-HM8D-YYY**

8W emergency battery  
backup

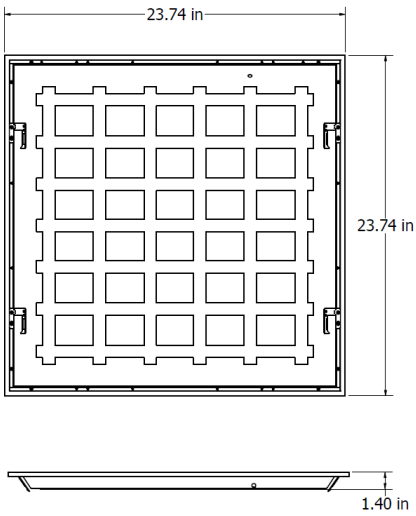
**EMBB**

#### DIMENSIONS

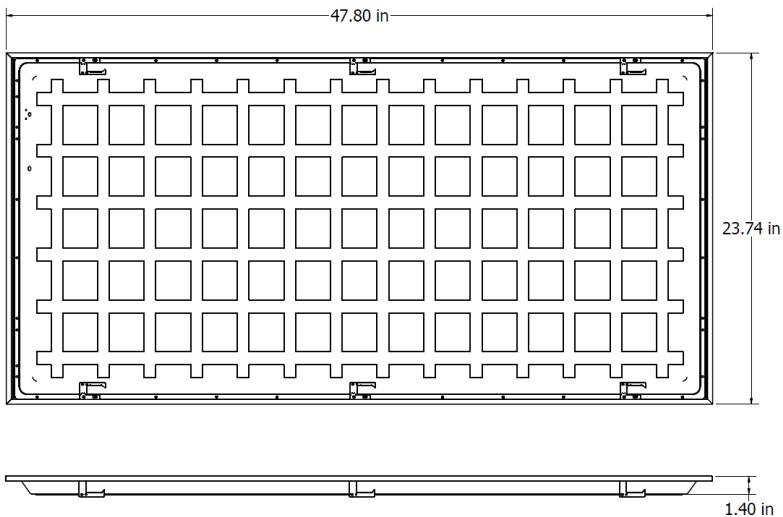
AE-RC-APB-XXW14



AE-RC-APB-XXW22



AE-RC-APB-XXW24



### MOUNTING ACCESSORIES

Ordered separately, field installed

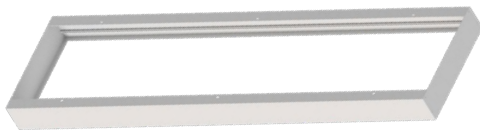
#### GYPSUM KIT

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



| OPTIONS                   | ORDERING CODE   | DIMENSIONS |       |        |
|---------------------------|-----------------|------------|-------|--------|
|                           |                 | LENGTH     | WIDTH | HEIGHT |
| Option 1<br>2"- thickness | AE-RC-MBSMK-1X4 | 48"        | 12.2" | 2"     |
|                           | AE-RC-MBSMK-2X2 | 24"        | 24"   | 2"     |
|                           | AE-RC-MBSMK-2X4 | 48"        | 24"   | 2"     |
| Option 2<br>3"- thickness | 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

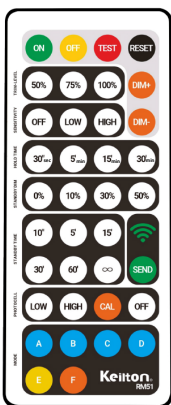
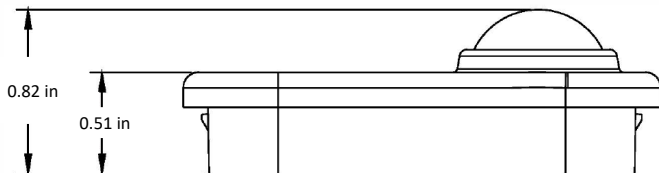
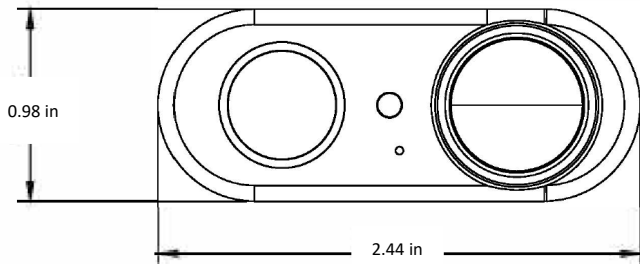
AE-RC-APB-XXWXX-28CDS

(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 |



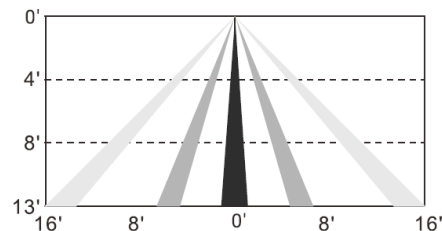
#### Remote control:

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

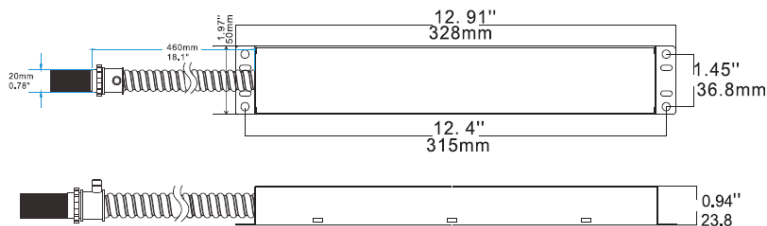
### EMERGENCY LED DRIVER (BLD-HMXXD-YYY)

BLD-HM8D-YYY

BLD-HM25D-YYY

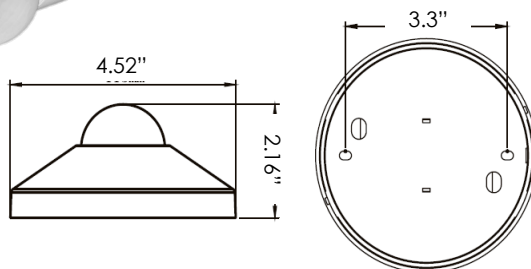


The BLD-HMXXD-YYY series LED Emergency Driver is UL listed for field and factory installations. It switches to emergency mode during power failures, providing up to 90 minutes of lighting. With an integrated battery, charger, and converter, it delivers 6-25W constant power at 170VDC. Ideal for 0-10V 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°<br>■ 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°<br>■ 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°<br>■ Horiz. Spread: 114.0° |            |         |         |

### OVERVIEW



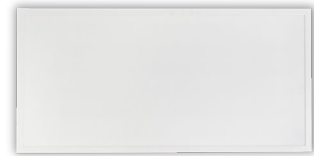
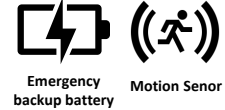
#### Innovative Design

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



#### Multiple Selections

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

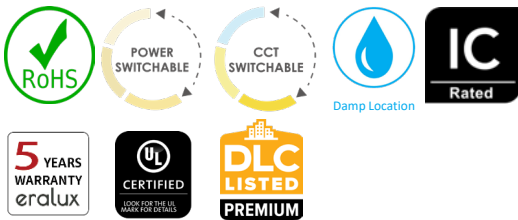


#### Mounting Options

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



#### 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