

ALPS HYDRO

A back-lit flat panel in 1x4 and 2x2 with optimal LED placement for a uniformly lit space, switchable CCT and switchable power. Wet rated, IP65 from below the ceiling line, capable of being sprayed from the bottom.

Wet Location

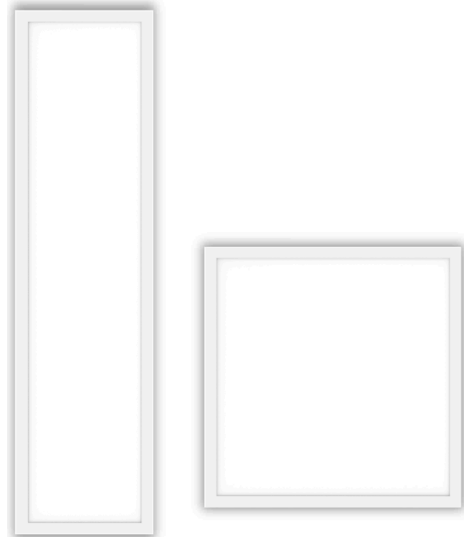
Healthcare

Education

Food Industry



Type: _____ Date: _____
 Project: _____
 Catalog #: _____
 Notes: _____



Key Specifications

Electrical

Input voltage	120-277/347V
Power factor	0.9
THD	<20%
Dimming	0-10V
Power	25/30/40W

Optical

Lumens	3125/3750/4375lm
Efficacy	~125lm/W
CRI	80
CCT	Switchable 3500K-5000K
Distribution	120°

Physical

Sizes	1x4 • 2x2
Mounting	Surface • Suspended • Gypsum • Grid
Ambient	-20°C to 45°C
Application	IP65 • NSF
Accessories	Mounting kits • EMBB • Sensor

Certifications

Listings	ETL • 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

PL

01 FIXTURE FAMILY



PL
ALPS Hydro commercial back-lit flat panel, IP65 / NSF

02 SIZE | POWER

1X4-40W
1x4ft
25/30/40W

2X2-40W
2x2ft
25/30/40W

1X4 | -40W · 2X2 | -40W
3125/3750/4375lm

03 CCT

-A3C3
3500/4000/5000K selectable

04 VOLTAGE

-M
120-277/347V

05 CONTROLS

-P
0-10V dimming

Mounting kits, the suspension kit and the emergency battery backup are ordered from page 03.

Accessory Ordering Guide

Mounting kit

RESET

AE-RC-M

01

FIXTURE FAMILY

ALPS

HYDRO

AE-RC-M

ERALUX commercial mounting options

02

MOUNTING OPTION

BGYPK

Gypsum kit

SMK-

Surface mount kit
3in

03

SIZE

1X4

1x4ft

2X2

2x2ft

Suspension kit

RESET

AE-RC-MB

01

FIXTURE FAMILY

ALPS

HYDRO

AE-RC-MB

ERALUX commercial mounting options

02

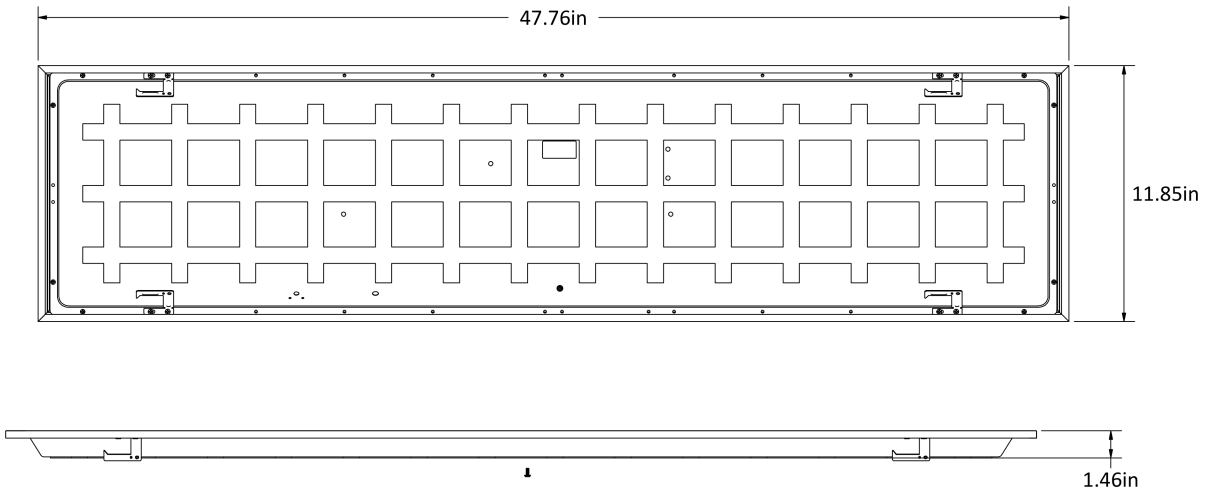
MOUNTING OPTION

-HK

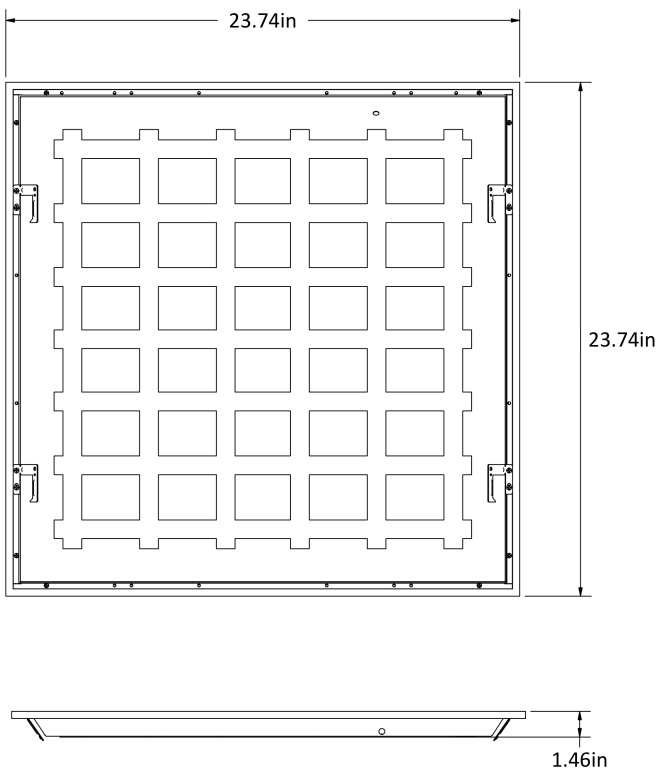
Suspension kit ¹

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

Dimensions



PL1X4 1x4



PL2X2 2x2

Installation: [Install Instructions](#)

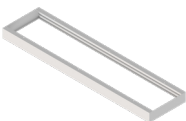
Mounting Accessories

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

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

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



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

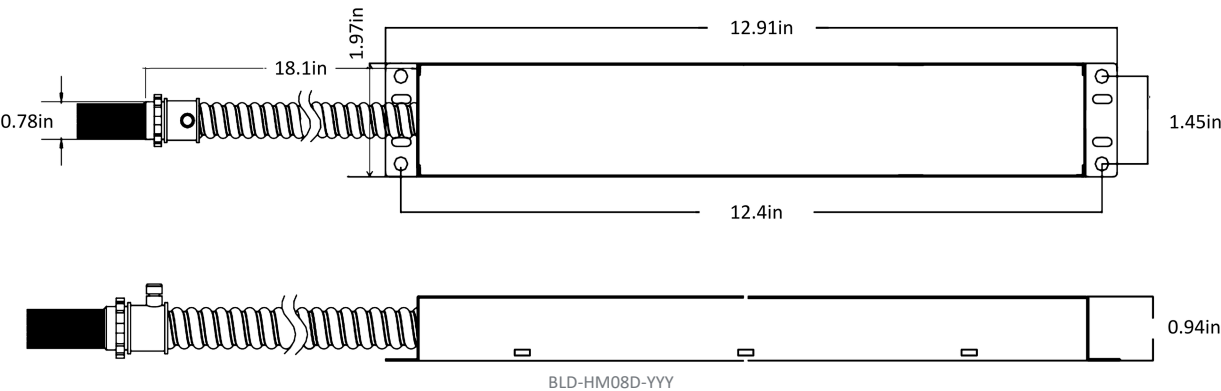
01 EMBB

Blank
No EMBB

08D-YYY
8W emergency battery backup

15D-YYY
15W emergency battery backup

25D-YYY
25W emergency battery backup



Photometric Data

Lumen Estimate

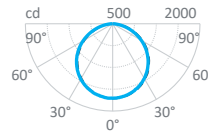
Lumen output varies based on CCT and CRI. An estimate of lumen output of the various CCT/CRI combinations, use correction factors as per table below:

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

PL1X4-40W-A3C3-M-P

1X4 PANEL

		ZONE	LUMENS	% FIXTURE
		0-20°	624.91	12.52
Wattage	39.2W	0-30°	1330.04	26.64
CCT	3500K	0-40°	2184.58	43.76
Distribution	120°	0-60°	3886.21	77.84
		0-80°	4865.71	97.46
		0-90°	4968.01	99.51

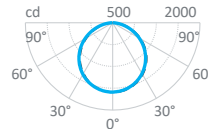


DISTANCE	CENTER Fc	BEAM WIDTH	
1.7ft	590	5.2ft	5.2ft
3.3ft	157	10.1ft	10.2ft
5.0ft	68.3	15.4ft	15.4ft
6.7ft	38.0	20.6ft	20.6ft
8.3ft	24.8	25.5ft	25.5ft
10.0ft	17.1	30.7ft	30.8ft
Vert. spread			113.9°
Horiz. spread			113.9°

PL2X2-40W-A3C3-M-P

2X2 PANEL

		ZONE	LUMENS	% FIXTURE
		0-20°	581.39	12.51
Wattage	41.2W	0-30°	1237.03	26.63
CCT	3500K	0-40°	2031.38	43.72
Distribution	120°	0-60°	3612.63	77.76
		0-80°	4526.89	97.43
		0-90°	4623.69	99.52



DISTANCE	CENTER Fc	BEAM WIDTH	
1.7ft	549	5.2ft	5.2ft
3.3ft	146	10.2ft	10.1ft
5.0ft	63.5	15.4ft	15.3ft
6.7ft	35.4	20.6ft	20.5ft
8.3ft	23.0	25.6ft	25.4ft
10.0ft	15.9	30.8ft	30.6ft
Vert. spread			114.0°
Horiz. spread			113.7°

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.