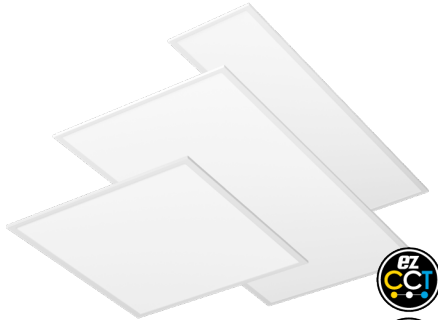


Project:	Catalog#:	Type:
Prepared By:	Notes:	Date:

E2BPL

Back-lit Flat Panel • 174,000 System Lifetime • 10 Year Limited Warranty



Overview

Energetic Lighting's E2BPL series is suitable for use in a broad range of commercial applications. Utilizing today's latest innovative LED solutions and technologies paired with world class manufacturing practices, the E2BPL provides customers an affordable LED back-lit panel offering with the perfect blend of design, performance, value and reliability. An extremely versatile product thanks to its low-profile design that is as shallow as many other higher priced edge-lit panels available today. As a result the E2BPL is well suited for installations with shallow plenum access. These panels extend use to a broad range of commercial and industrial applications. The E2BPL is a great choice for renovation opportunities replacing existing fluorescent luminaires or for new construction projects that require code compliant energy saving LED solutions. Ideally suited for office spaces, schools, retail, hospitality and healthcare applications, the E2BPL provides high quality illumination with optimal energy savings.

Features

- 2x4 configurations available for design flexibility. Acrylic over-optics with polymer diffusing lens
- creates an extremely uniform visual aesthetic and provides target uniform illumination.
- 125+ LPW provides 40-60% in energy savings vs. fluorescent
- Die-formed steel housing won't flex during installation. Integrated occupancy sensor and Emergency
- battery backup systems available.
- 88% lumen maintenance @ 60,000 hours –
- L88/60,000 (per IES TM21)
- Projected L70 @ 174,000 hours = maintenance free illumination (per IES TM21)

Applications

- Indoor, Industrial, and Commercial
- Office, Healthcare, and Educational
- Hospitality and Grocery
- Retail, and Hallways

Highlights



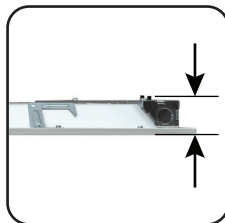
Clean and modern design with easy suspension installation.



Various knock-out available for ease of installation and wiring configuration needs



Extruded aluminum lens frame with visually seamless corners

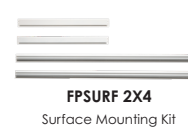


Ultra-thin profile at only 1.5 inches saves weight packaging, storage, & challenging plenum clearance scenarios



Integrated fold-out seismic hooks with suspension cable mounting hole

Accessories



Load Information

Input Voltage	120-347Vac	
Power Factor	>0.9	
THD	<20%	
Low Temp Start	-25°C (-13°F)	
Max Temp	45 °C (113°F)	
Unit Weight	1x4	6 lbs
	2x2	TBA lbs
	2x4	11 lbs

Shipping Information

Item	Weight	Box Qty.
1x4	15.5 lbs	2 per case
2x2	TBA lbs	2 per case
2x4	27 lbs	2 per case

Lumen Maintenance

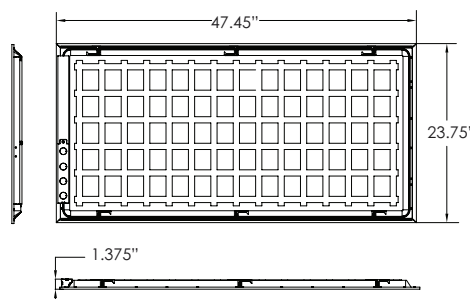
Ambient Temperature	TM-21 Lumen Maintenance (50,000 hours)	Theoretical L70 (hours)
25°C	>88%	174,000
25°C	>88%	174,000
25°C	>88%	174,000

Specific Lumen Output

Profile	Wattage Setting	Color Temperature	
		4000K	5000K
2x4	36W	4700	4650
	40W	5200	5150
	45W	5900	5850

Dimensions

E2BPL4-H36D-840 | E2BPL4-H4D-850





Model Ordering Number

Series Prefix	Size	Voltage	Wattage	Dimming	CRI	CCT
E2BPL	4	H	50	D	8	50
E2BPL Energetic LED Back-lit Flat Panel ezWATT & ezCCT Selectable	1 1x4 2 2x2 2 2x2 4 2x4	H 120-327V	36 36W 40 40W	D 0-10V Dimmable(de-fault)	8 82 CRI	40 4000K, 50 or 5000K

Ordering Examples:

1. For E2BPL 2x4 36W 120-347	Model#: E2BPL4-H36D-850
2. For E2BPL 2x4 36W 120-347V + Cable Suspension Kit 2x4 +Surface Mounting Kit 2x4	Model#: E2BPL4-H36D-850
	FPSUSP
	EPSURF24

STOCK ORDER INFORMATION

CCT Selectable 2x4 Profile Housing 120-347V

CCT Fixed profile

Model Number	Order #	Lumens	Wattage	LPW	Color Temp	CRI	Voltage	Dimming	DLC	Pallet Qty
E2BPL4-H36D-840	65299	4500LM	36W	125	4000K	82	120-347V	0-10V	DLC-5.1P	TBA
E2BPL4-H36D-850	65300	4500LM	36W	125	5000K	82	120-347V	0-10V	DLC-5.1P	TBA
E2BPL4-H40D-840	65301	5000LM	40W	125	4000K	82	120-347V	0-10V	DLC-5.1P	TBA
E2BPL4-H40D-850	65302	5000LM	40W	125	5000K	82	120-347V	0-10V	DLC-5.1P	TBA

Optional Accessories

Accessories

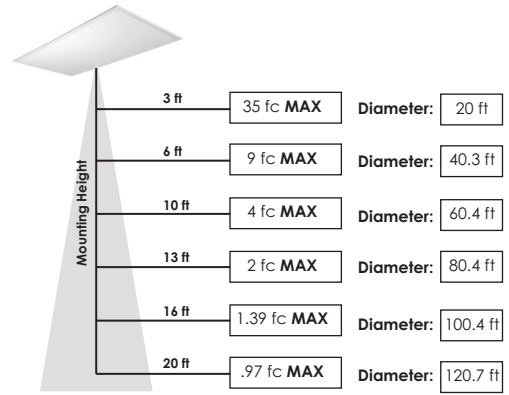
Model Number	Order #	Description
FPSUSP	65153	Cable Suspension Kit
E1RFK-14	99030	1x4 Recessed Flange Kit
E1RFK-22	99031	2x2 Recessed Flange Kit
E1RFK-24	99032	2x4 Recessed Flange Kit
EPSURF14	99030	1x4 Flat panel surface mount
EPSURF22	99031	2x2 Flat panel surface mount
EPSURF24	99032	2x4 Flat panel surface mount



PHOTOMETRIC DATA

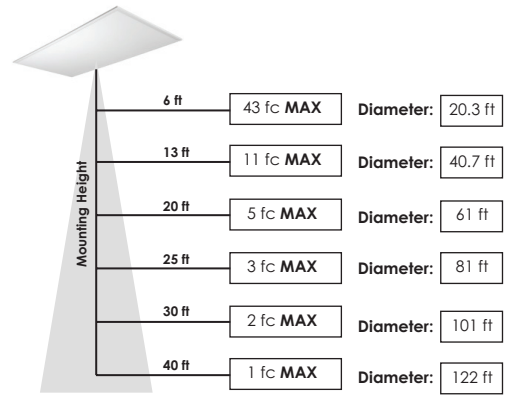
Model: E2BPL2-H36D-850
Test Report: E2BPL2-H36D-850.ies
CCT: 5000
Lamp Type: LED
Lumens: 4400 LM
Input Watts: 36 W
Efficacy: 110 LM/W

Lumen Intensity Graph:
E2BPL2-H36D-850



Model: E2BPL4-H3645D-83550
Test Report: E2BPL4-H3645D-83550.ies
CCT: 5000
Lamp Type: LED
Lumens: 4950 LM
Input Watts: 40 W
Efficacy: 110 LM/W

Lumen Intensity Graph:
E2BPL4-H40D-850





Accessories Dimesions

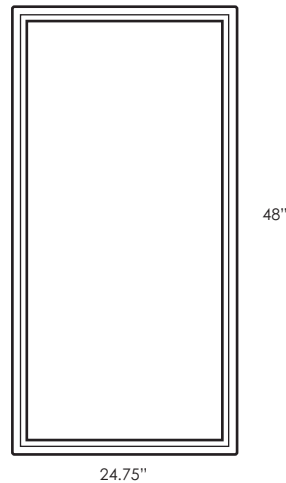
FPSUSP Cable Suspension Kit



FPSURF Surface Mount Kit 2x4



E1RFK Recessed Flanged Kit 2x4





ENERGETIC[®]
L I G H T I N G

E2BPL

Back-lit Flat Panel

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NOTES: