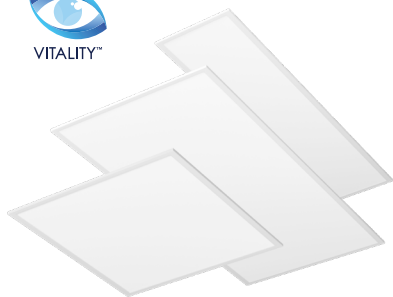


Project:	Catalog#:	Type:
Prepared By:	Notes:	Date:

E1HPL

LED Vitality™ Back-lit Flat Panel
3 Size Options • 10 year Warranty



VitalityLED™



Overview

Energetic Lighting's new Vitality™ E1HPL series of backlit panel contain patented LED technology engineered to boost alertness and reduce fatigue in indoor spaces where there is not any natural sunlight. Vitality™ Panels are engineered to greatly reduce blue wavelengths commonly found in standard LED panels which can cause decrease in safety & productivity. In addition, Vitality™ LED technology has been engineered to boost 480nm blue wavelengths that the sun produces to suppress the production of Melatonin which the body produces to promote sleep. Vitality™ technology has beneficial solutions to solving obesity, and other metabolic issues such as S.A.D. (Season Affective Disorder) Vitality™ coupled with ezCCT / ezWATT color temperature and wattage field selectable functionality is to Boost alertness, safety, and productivity for your company.

Features

- Vitality™ LED Technology inside
- Reduces eye irritation and eye strain by greatly reducing peak blue wavelengths
- Increase alertness and reduce fatigue when there is not a presence of natural sunlight
- Can be used as part of S.A.D. light therapy
- EZCCT field-selectable CCT - 3500K, 4000K & 5000K
- EZWATT field-selectable Wattage - 3 steps, varied by models (see stock ordering information)
- Integrated occupancy sensor and Emergency battery backup systems available
- 2x4, 2x2, 1x4 configurations available for design flexibility
- Acrylic over-optics with polymer diffusing lens creates an extremely uniform visual aesthetic and provides target uniform illumination.
- 110+ LPW provides 40-60% in energy savings vs. fluorescent
- Die-formed steel housing to reduce flex during installation

Applications

- Indoor, Industrial, and Commercial
- Office, Healthcare, and Educational
- Hospitality, Grocery, Retail, and Hallways
- Second and Third Shift workspaces

Highlights



Field-selectable CCT and wattage control provides flexibility to installation and stocking



Vitality™ LED Technology that increases alertness and reduces fatigue in places with no sunlight.



Clean and modern design with easy suspension installation.



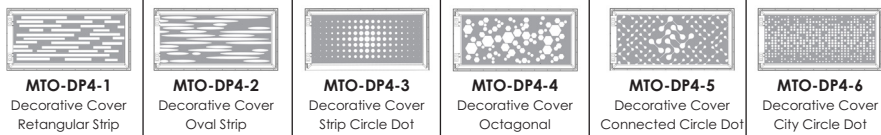
With six various decorative cover for Vitality™ panel



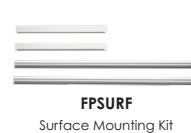
Extruded aluminum lens frame with visually seamless corners



Integrated fold-out seismic hooks with suspension cable mounting hole



FPSUSP
Cable Suspension Kit



FPSURF
Surface Mounting Kit



E1RFK
Recessed Flange Kit

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

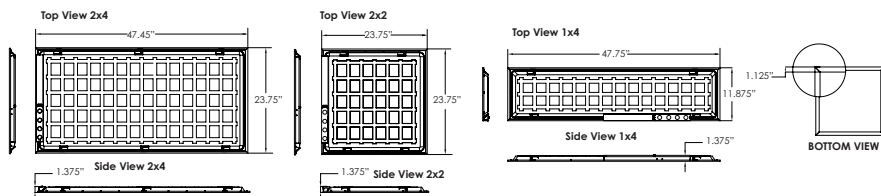
Item	Weight	Box Qty.
1x4	15.5 lbs	2 per case
2x2	TBA lbs	2 per case
2x4	27 lbs	2 per case

Lumen Maintenance

Housing Type	Ambient Temperature	TM-21 Lumen Maintenance (50,000 hours)	Theoretical L70 (hours)
1x4	25°C	>89.9%	54,000
2x2	25°C	>89.9%	54,000
2x4	25°C	>89.9%	54,000

Dimensions

E1HPL1-H3040D-83550 | E1HPL2-H2130D-83550 | E1HPL4-H3645D-83550



Model Ordering Number

Series Prefix	Size	Wattage	Dimming	CRI	CCT
E1HPL	4	H3040	D	8	3550
E1HPL Energetic LED Vitality™ Back-lit Flat Panel ezWATT & ezCCT-Selectable	1 1x4 2 2x2 2 2x2 4 2x4	3040 30W-36W-40W 2130 21W-25W-30W 3040 30W-36W-40W 3645 30W-36W-40W	D 0-10V Dimmable (default)	8 80 CRI	3550 3500K, 4000K, or 5000K

Ordering Examples:

1. For E1HPL 2x430-36-40W ezWATT & CCT Selectable 100-347V	Model#: E1HPL4-H3040D-83050
2. For E1HPL 2x4 30-36-40W ezWATT & CCT Selectable 100-347V + Cable Suspension Kit + Decorative Plate Stripe Circle Dot for 2x4	Model#: E1HPL4-H3040D-83050
Cable Suspension Kit	FPSUSP
Decorative Plate Stripe Circle Dot	MTO-DP2-3

STOCK ORDER INFORMATION

1x4 Profile

1x4 Profile Housing 100-277V

Model Number	Order #	Lumens	Wattage	LPW	Color Temp	CRI	Voltage	Dimming	DLC	Pallet Qty
E1HPL1-H3040D-83550	65160	3300LM/3960LM /4400LM	30W-36W-40W	110	3500K,4000K,& 5000K CCT	80	120-347V	0-10V	DLC-5.1P	90

2x2 Profile

2x2 Profile Housing 100-277V

Model Number	Order #	Lumens	Wattage	LPW	Color Temp	CRI	Voltage	Dimming	DLC	Pallet Qty
E1HPL2-H2130D-83550	65161	2301LM/2750LM /3300LM	21W-25W-30W	110	3500K,4000K,& 5000K CCT	80	120-347V	0-10V	DLC-5.1P	100

2x4 Profile

2x4 Profile Housing 100-277V

Model Number	Order #	Lumens	Wattage	LPW	Color Temp	CRI	Voltage	Dimming	DLC	Pallet Qty
E1HPL4-H3645D-83550	65163	3960LM/4400LM /4950LM	36W-40W-45W	110	3500K,4000K,& 5000K CCT	80	120-347V	0-10V	DLC-5.1P	60

Accessories

Optional 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

Optional Accessories

Model Number	Order #	Description
EPSURF14	99030	1x4 Flat panel surface mount
EPSURF22	99031	2x2 Flat panel surface mount
EPSURF24	99032	2x4 Flat panel surface mount

Factory Install ONLY

Factory Install Options

Model Number	Order #	Description
MTO-DP2-1	65260	Decorative Cover Rectangular Strip for 2x2
MTO-DP2-2	65261	Decorative Cover Oval Strip for 2x2
MTO-DP2-3	65262	Decorative Cover Strip Circle Dot for 2x2
MTO-DP2-4	65263	Decorative Cover Octagon for 2x2
MTO-DP2-5	65264	Decorative Cover Connected Circle Dot for 2x2
MTO-DP2-6	65265	Decorative Cover City Circle Dot for 2x2
MTO-DP4-1	65266	Decorative Cover Rectangular Strip for 2x4
MTO-DP4-2	65267	Decorative Cover Oval Strip for 2x4
MTO-DP4-3	65268	Decorative Cover Strip Circle Dot for 2x4
MTO-DP4-4	65269	Decorative Cover Octagon for 2x4
MTO-DP4-5	65270	Decorative Cover Connected Circle Dot for 2x4
MTO-DP4-6	65271	Decorative Cover City Circle Dot for 2x4

Custom patterns are available on request with a minimum order requirement and lead time acceptance.*

Ordering Examples for decorative panels:

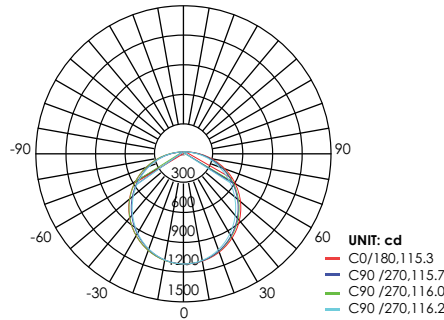
1. MTO-DP2-1 Refers to 2x2 panels rectangular strip
2. MTO-DP4-1 Refers to 2x4 panels rectangular strip
3. Made to project specs for 1x4
4. Templates 2,4,5 are request by project and 1,3,6 are stocked by warehouse

MTO	DP4	1
Made To Order	1x4 1 (By Request)	Template#’s
	2x2 2	1
	2x4 4	2
		3
		4
		5
		6

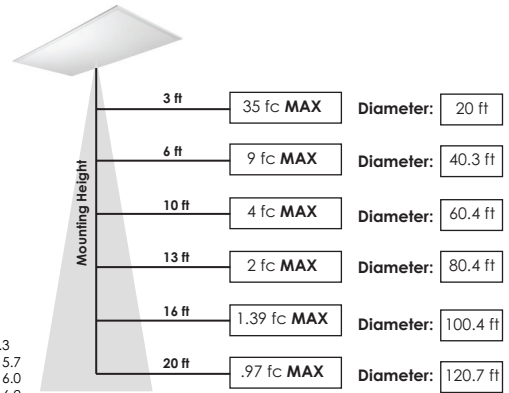
PHOTOMETRIC DATA

Model: E1HPL2-H2130D-83550
 Test Report: E1HPL2-H21390D-83550.ies
 CCT: 5000
 Lamp Type: LED
 Lumens: 4400 LM
 Input Watts: 40 W
 Efficacy: 110 LM/W

Lumen Intensity Graph:
E1HPL2-H2130D-83550

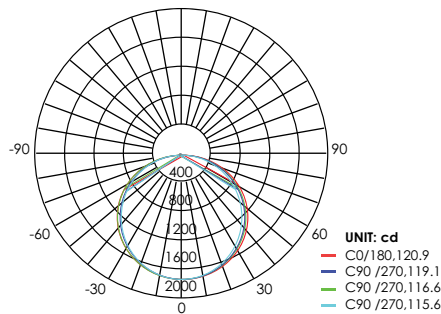


AVERAGE BEAM ANGLE (50%) : 115.8 DEG

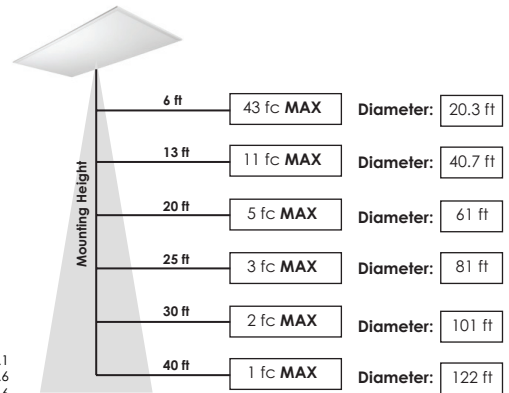


Model: E1HPL4-H3645D-83550
 Test Report: E1HPL4-H3645D-83550.ies
 CCT: 5000
 Lamp Type: LED
 Lumens: 4950 LM
 Input Watts: 45 W
 Efficacy: 110 LM/W

Lumen Intensity Graph:
E1HPL4-H3645D-83550



AVERAGE BEAM ANGLE (50%) : 118.0 DEG

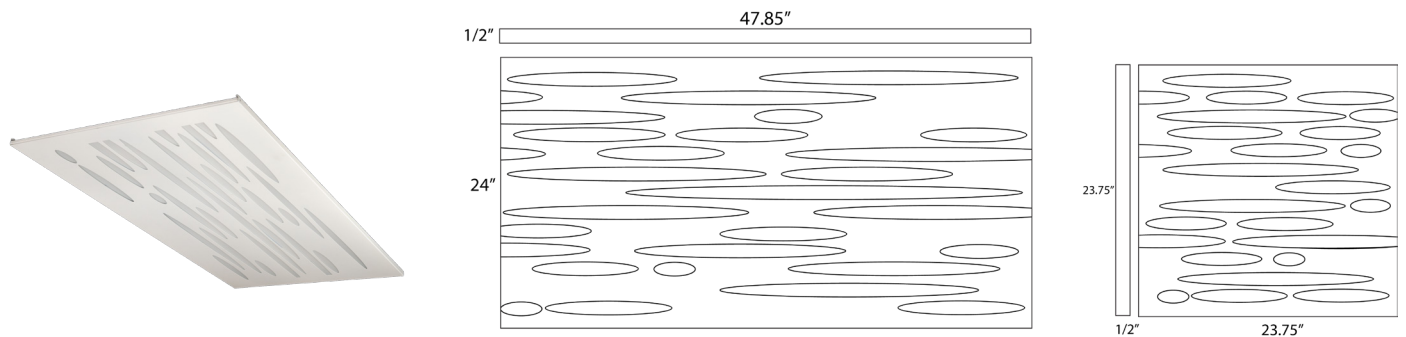


Accessories Dimensions

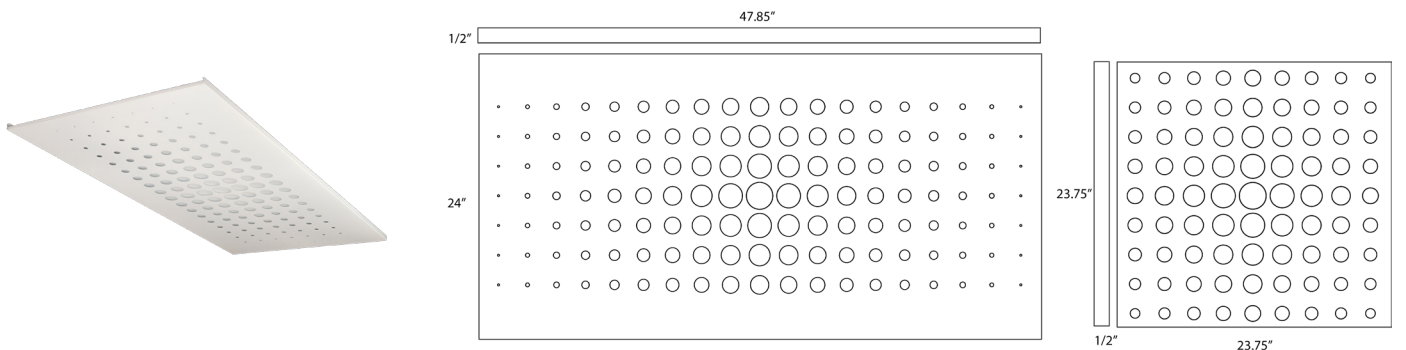
MTO-DP2 Decorative Cover Rectangular Strip for 2x2, 2x4, and 1x4 (1x4 for special request)



MTO-DP2 Decorative Cover Oval for 2x2, 2x4, and 1x4 (1x4 for special request)

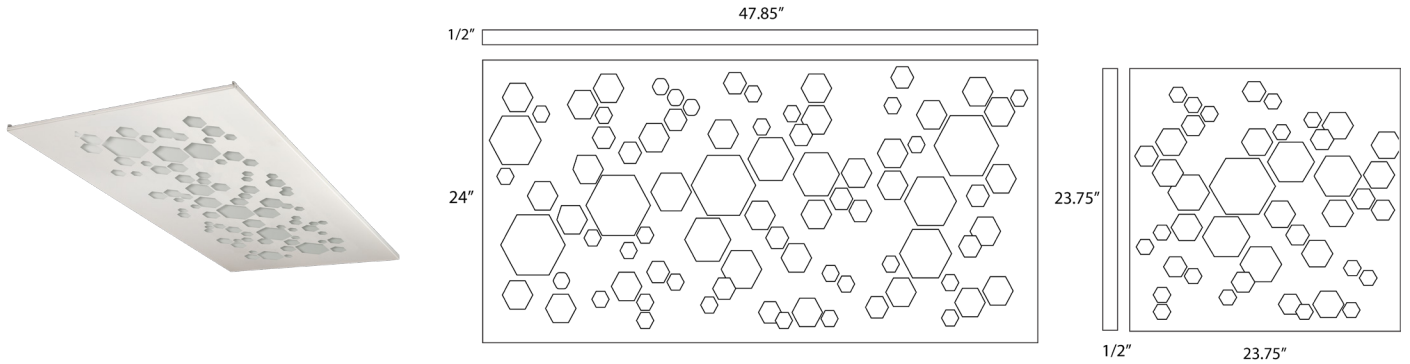


MTO-DP Decorative Cover Strip Circle Dot for 2x2, 2x4, and 1x4 (1x4 for special request)

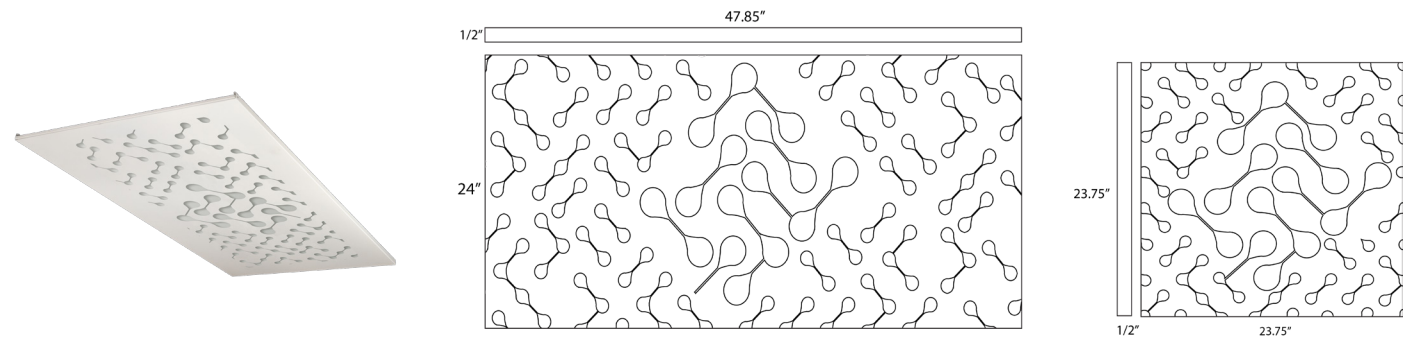


Accessories Dimensions

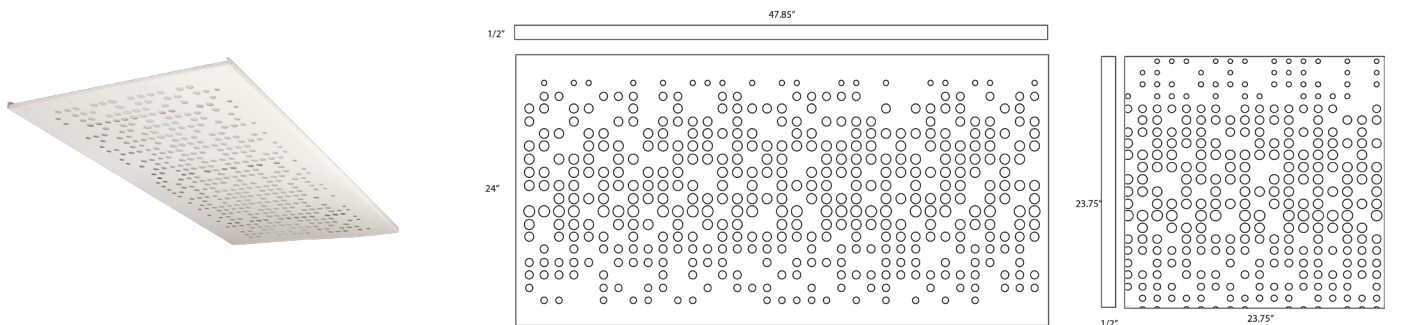
MTO-DP Decorative Cover Octagon for 2x2, 2x4, and 1x4 (1x4 for special request)



MTO-DP Decorative Cover Connected Circle Dots Strip for 2x2, 2x4, and 1x4 (1x4 for special request)



MTO-DP Decorative Cover Rectangular Strip for 2x2, 2x4, and 1x4 (1x4 for special request)

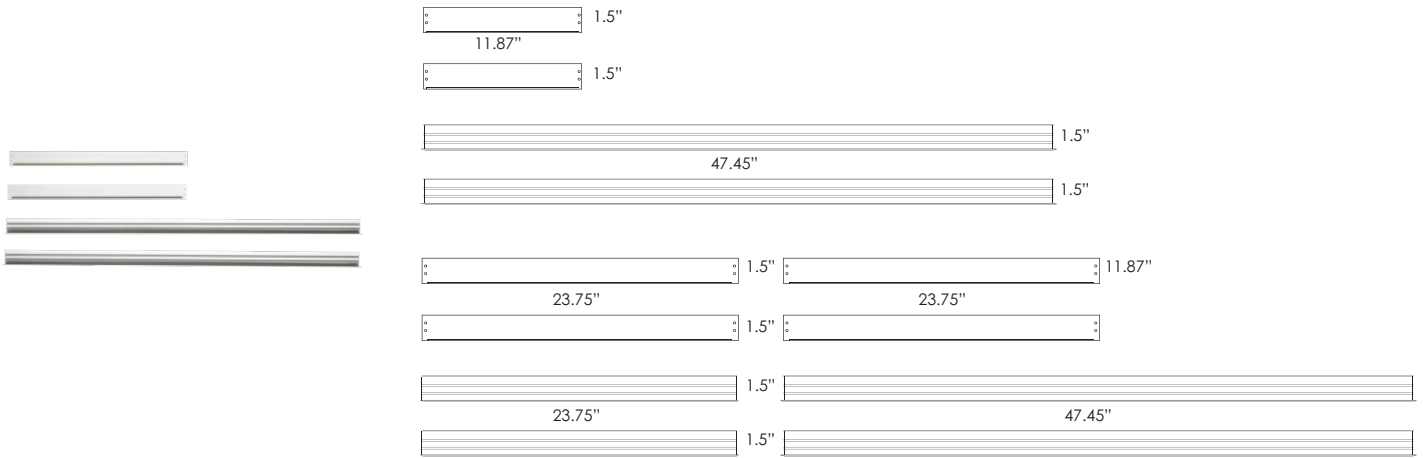


Accessories Dimensions

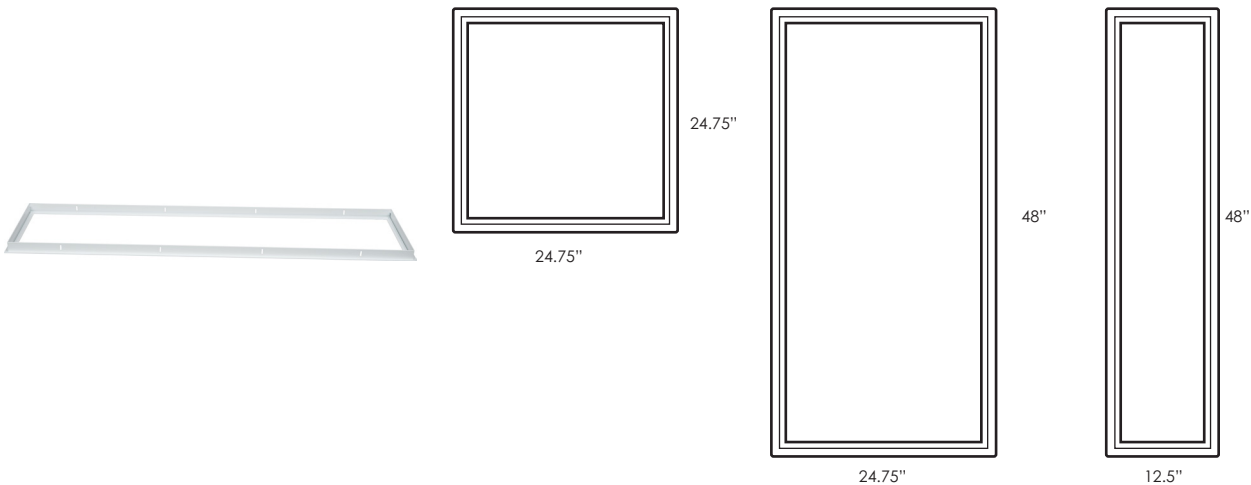
FPSUSP Cable Suspension Kit



FPSURF Surface Mount Kit 1x4 | 2x2 | 2x4



E1RFK Recessed Flanged Kit 1x4 | 2x2 | 2x4





ENERGETIC
L I G H T I N G

E1HPL

LED Vitality™ Back-lit Flat Panel
54,000 System Lifetime • 10 Year Limited Warranty

NOTES: