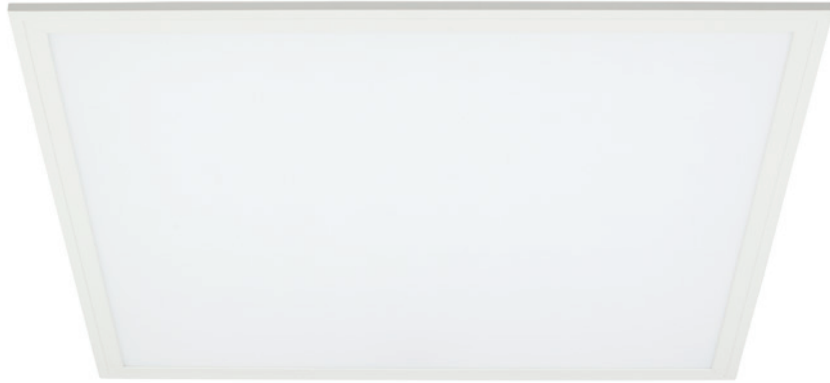# LITETRONICS®

LED LIGHT PANEL
with Integrated Emergency Battery Backup

Combining top-of-the-line efficiency with a modern design and a focus on safety, the LED Light Panel is the ideal solution for interior grid ceiling applications that require ongoing operation in times of an emergency. When the power cuts out, the built-in battery backup kicks on, delivering power for up to 90 minutes, ensuring occupants visibility.

Our standard model is equipped with field-adjustable light output, enabling the lumen output and wattage to be set to one of five specific levels based on the needs of the user. This feature enables the customization of light intensity on a per project basis. It is also equipped with field-adjustable color temperature. Each unit can be set to a specific color temperature, including 3500K, 4000K or 5000K. Installation is simple and quick; this LED panel upgrade fits seamlessly into all standard 2' x 4' or 2' x 2' grid ceiling layouts.

The LED Light Panel delivers up to 125 lumens per watt (LPW) over the course of it's 100,000-hour rated life. It ensures long-term energy savings over traditional fluorescent bulbs and ballasts, as well as eliminates routine maintenance, making it perfect for updating existing grid layouts or implementing in new construction. Furthermore, it's backed by an industry-leading 10-year warranty, guaranteeing peace of mind for the life of your fixture.

KEY FEATURES
- 90-minutes of operating time in power outages
- Field-adjustable light output
- Field-adjustable CCT
- 100,000-hour rated life
- 10-year warranty
- Up to 125 LPW
- DLC Premium (pending)
- 0-10V Dimming
- Sealed enclosure (Bug/dust free)
- Anti-yellowing frosted diffuser
- Suitable for damp locations

MARKETS
- Schools and universities
- Offices and municipal buildings
- Healthcare facilities and hospitals

APPLICATIONS
- Drop/grid ceilings

SPECIFICATIONS

Average rated life: 100,000 hours (@L70)
Warranty: 10 years
Operating temp: -4°F to 104°F (-20°C to 40°C)
Surge protection: ANSI C82.77 compliant
Input voltage: 120-277V
Input frequency: 50/60Hz
Power factor: ≥0.95
LED driver model: 1x4 and 2x2 = P42UDL-A0920
2X4 = P42UDL-A1020
LED driver type: Class 2

Wattage delivered during power outage:
PT2EM: 8W | PT4EM: 10W
CRI: 80
Lens type: Polycarbonate frosted
Dimming: 0-10VDC ANSI C137.x compliant
Location rating: Damp
UL/cUL listed: Yes
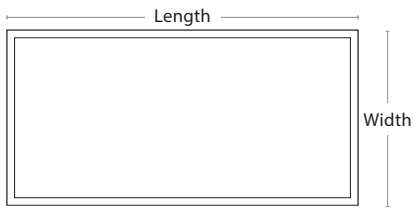**RoHS compliant:** Yes
DLC rating: Premium

MOUNTING

Standard: T-bar grid (drop ceilings)
Wiring access: 1/2" trade size knockouts

ACCESSORIES

Surface Mounting Kit
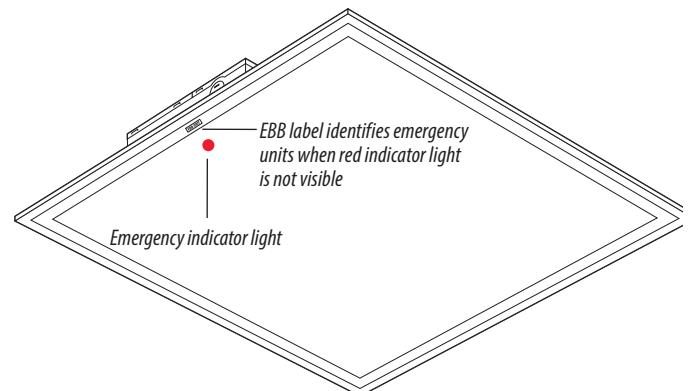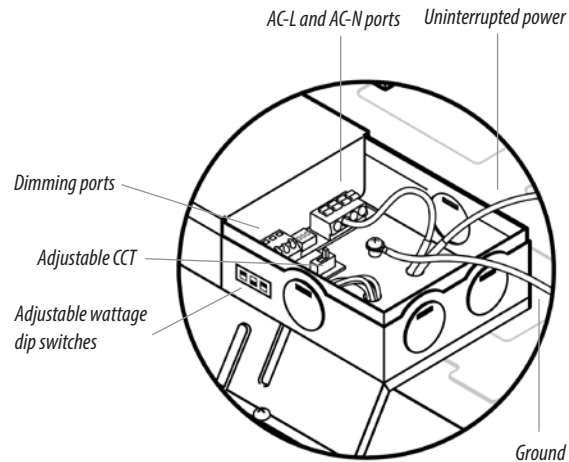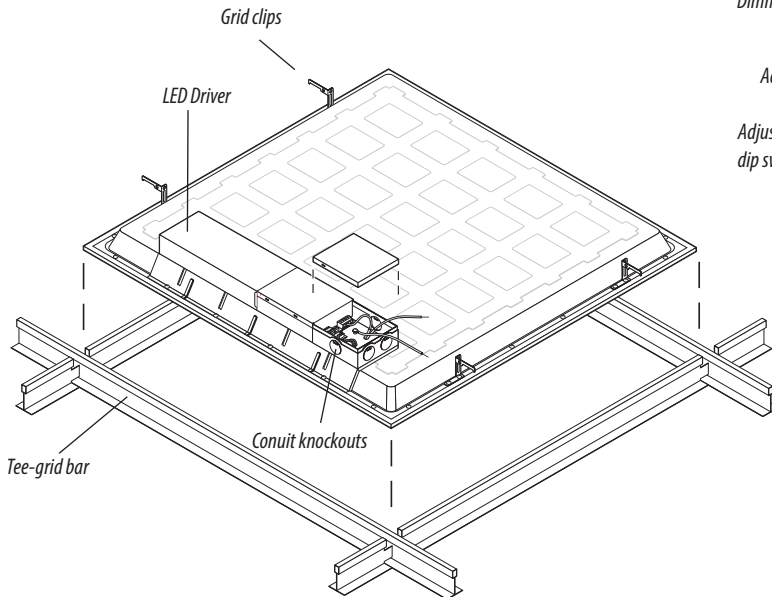**Drywall Mounting Kit**
Suspension Mounting Kit

DIMENSIONS

Length
Width

Panel (2' x 4' shown here)

Height
Panel (side profile)

SIZE	LENGTH	WIDTH	HEIGHT
2' x 4'	47.5"	23.75"	2.8"
2' x 2'	23.75"	23.75"	2.8"

PRODUCT OVERVIEW AND INSTALLATION

AC-L and AC-N ports
Uninterrupted power
Dimming ports
Adjustable CCT
Adjustable wattage dip switches
Ground

Grid clips
LED Driver
Conuit knockouts
Tee-grid bar

EBB label identifies emergency units when red indicator light is not visible
Emergency indicator light

ORDERING INFORMATION

Listed below are the included wattage settings and lumens for each model number.

2' X 2' LED LIGHT PANEL WITH EBB

ROOT MODEL #	WATTAGE	CCT	LUMENS
PT2EM	36	4000	4,500

EXT. MODEL #	WATTAGE	CCT	LUMENS
PT2EM1835	18	3500	2,250
PT2EM2035	20	3500	2,500
PT2EM2535	25	3500	3,125
PT2EM3035	30	3500	3,750
PT2EM3635	36	3500	4,500
PT2EM1840	18	4000	2,250
PT2EM2040	20	4000	2,500
PT2EM2540	25	4000	3,125
PT2EM3040	30	4000	3,750
PT2EM1850	18	5000	2,250
PT2EM2050	20	5000	2,500
PT2EM2550	25	5000	3,125
PT2EM3050	30	5000	3,750
PT2EM3650	36	5000	4,500

2' X 4' LED LIGHT PANEL WITH EBB

ROOT MODEL #	WATTAGE	CCT	LUMENS
PT4EM	50	4000	6,250

EXT. MODEL #	WATTAGE	CCT	LUMENS
PT4EM2535	25	3500	3,125
PT4EM3035	30	3500	3,750
PT4EM4035	40	3500	5,000
PT4EM4535	45	3500	5,625
PT4EM5035	50	3500	6,250
PT4EM2540	25	4000	3,125
PT4EM3040	30	4000	3,750
PT4EM4040	40	4000	5,000
PT4EM4540	45	4000	5,625
PT4EM2550	25	5000	3,125
PT4EM3050	30	5000	3,750
PT4EM4050	40	5000	5,000
PT4EM4550	45	5000	5,625
PT4EM5050	50	5000	6,250

Each extended model # is individually listed with DLC. Each unit will ship using the default settings shown with the root model number.
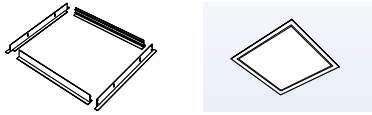
ACCESSORIES

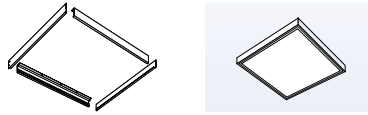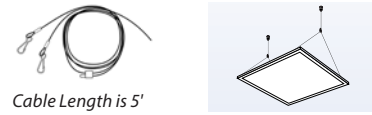| MODEL #	DESCRIPTION	USAGE
TR01	Test remote for integrated EBB	Test and demo EBB functionality. One remote will control all EBB equipped units.

ORDERING INFORMATION

DRYWALL MOUNT KIT	SURFACE MOUNT KIT	SUSPENSION MOUNT KIT

Cable Length is 5'

DRYWALL MOUNT KIT

MODEL #	DESCRIPTION	USAGE	OUTSIDE DIMENSIONS
FPAM224	2x4 Drywall Mount Kit	Recess mount 2x4 Panels in ceiling surfaces	47.85" x 23.94" x 2.44"
FPAM222	2x2 Drywall Mount Kit	Recess mount 2x2 Panels in ceiling surfaces	24.07" x 23.94" x 2.44"
FPAM221	1x4 Drywall Mount Kit	Recess mount 1x4 Panels in ceiling surfaces	47.85" x 11.97" x 2.44"

SURFACE MOUNT KIT

MODEL #	DESCRIPTION	USAGE	OUTSIDE DIMENSIONS
PTAM204	2x4 Surface Mount Kit	Surface mount 2x4 Panels to ceiling surfaces	47.85" x 23.94" x 3.1875"
PTAM202	2x2 Surface Mount Kit	Surface mount 2x2 Panels to ceiling surfaces	24.07" x 23.94" x 3.1875"
PTAM301	1x4 Surface Mount Kit	Surface mount 1x4 Panels to ceiling surfaces	47.85" x 11.97" x 3.1875"

SUSPENSION MOUNT KIT

MODEL #	DESCRIPTION	USAGE	WEIGHT RATING	MAX DISTANCE FROM CEILING
PTAM214	2x4 Suspension Mount Kit	Suspend 2x4 Panels from ceiling	25 lbs	4.45'
PTAM212	2X2 Suspension Mount Kit	Suspend 2x2 Panels from ceiling	25 lbs	4.45'
PTAM211	1X4 Suspension Mount Kit	Suspend 1x4 Panels from ceiling	25 lbs	4.45'