

PROJECT:	
CATALOG #	
TYPE:	DATE:

LED SMART LIGHT PANEL

with Integrated Programmable Controls

DESCRIPTION

The LED Smart Light Panel brings a new level of control and convenience to interior grid ceiling applications. Equipped with an on-board sensor that supports both occupancy sensing and daylight harvesting, this LED luminaire is the ultimate energy reduction tool. And while this functionality comes standard out of the box, it can be fully customized with just a few taps to your mobile device. Our new mobile app, LiteSmart, enables fixtures in a space to be grouped together and function as one; they can be turned on/off, dimmed, or programmed based on your schedule.

Settings can be adjusted and pushed live in seconds. Custom scene configurations can also be created to meet the various needs of the space.

Installation is simple and quick; this LED panel upgrade fits seamlessly into all standard 2' x 4', 2' x 2' or 1' x 4' grid ceiling layouts. Once installation is complete, all functionality can be set up via LiteSmart, then controlled through the app or a wireless remote switch.

The LED Smart Light Panel delivers up to 125 lumens per watt (LPW) over the course of its 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.

FEATURES

- Wireless control via mobile app or bluetooth wall switch (optional)
- Daylight harvesting
- Occupancy sensing
- 100,000-hour rated life
- 10-year warranty
- Sealed enclosure (Bug/dust free)
- Anti-yellowing frosted diffuser
- Continuous dimming
- Suitable for damp locations
- Compatible with Emergency Battery Backup

APPLICATIONS

- Drop/grid ceilings
- Fluorescent troffer replacements



MARKETS

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

CERTIFICATIONS



SPECIFICATIONS

Life (@L70): 100,000 hours (@L70)

Warranty: 10 years

PERFORMANCE

Operating temp: -4°F to 104°F (-20°C to 40°C)

Efficacy (LPW): 125 LPW

CRI: 80

ELECTRICAL

Input voltage: 120-277V

Input frequency: 50/60Hz

PF: ≥.95

THD: N/A

Surge protection: ANSI C82.77 compliant

LED driver type: Class 2

LED driver model: 1x4 and 2x2 = P42UDL-A0920 2X4 = P42UDL-A1020

Dimming: 0-10VDC ANSI C137.x compliant

Minimum dimming: 0% of rated lumen LED drive current

Aux. Voltage: No

Driver CL: N/A

Whip/Cord: No

Sensor: Bluetooth for Daylight & Motion Sensing

OPTICAL

Beam: N/A

Lens: Polycarbonate Frosted

UGR: N/A

PHYSICAL

Finish: Powder Coat

Color: White

Housing: Painted Steel

INDUSTRY STANDARDS/RATINGS

IP: N/A

IK: N/A

Location: Damp

IC: Yes

UL/ETL: UL

FCC: Yes

RoHS: Yes

DLC: 5.1 Premium

MOUNTING

Standard: T-bar grid (drop ceilings)

Wiring access: 1/2" trade size knockouts

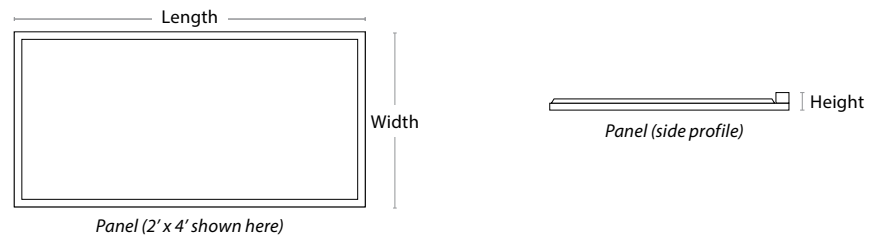
ACCESSORIES

Surface Mounting Kit
Drywall Mounting Kit

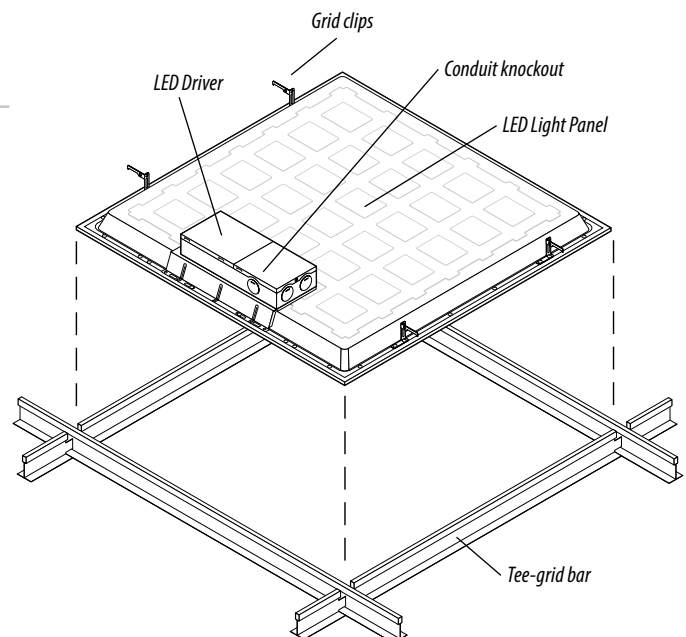
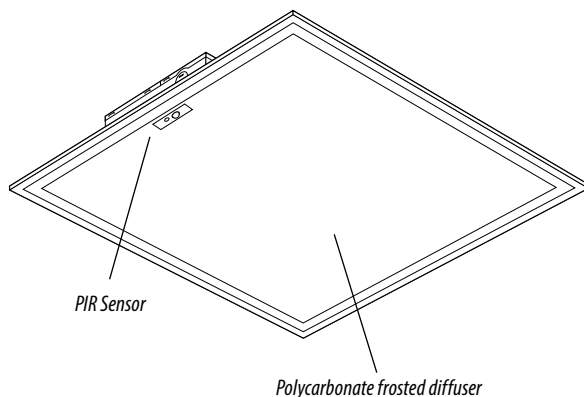
Suspension Mounting Kit
Wireless Control Switch

DIMENSIONS / WEIGHT

ORDER#	SIZE	LENGTH	WIDTH	HEIGHT
PT435N	2' x 4'	47.5"	23.75"	2.8"
PT440N	2' x 4'	47.5"	23.75"	2.8"
PT450N	2' x 4'	47.5"	23.75"	2.8"
PT235N	2' x 2'	23.75"	23.75"	2.8"
PT240N	2' x 2'	23.75"	23.75"	2.8"
PT250N	2' x 2'	23.75"	23.75"	2.8"
PT135N	1' x 4'	47.5"	11.9"	2.8"
PT140N	1' x 4'	47.5"	11.9"	2.8"
PT150N	1' x 4'	47.5"	11.9"	2.8"



PRODUCT OVERVIEW AND INSTALLATION



ORDERING INFORMATION

2' X 2'

MODEL #	DESCRIPTION	WATTAGE	CCT	LUMENS
PT235N	2X2 LED Smart Light Panel 36W 3500K	36	3500	4,500
PT240N	2X2 LED Smart Light Panel 36W 4000K	36	4000	4,500
PT250N	2X2 LED Smart Light Panel 36W 5000K	36	5000	4,500

1' X 4'

MODEL #	DESCRIPTION	WATTAGE	CCT	LUMENS
PT135N	1X4 LED Smart Light Panel 36W 3500K	36	3500	4,500
PT140N	1X4 LED Smart Light Panel 36W 4000K	36	4000	4,500
PT150N	1X4 LED Smart Light Panel 36W 5000K	36	5000	4,500

2' X 4'

MODEL #	DESCRIPTION	WATTAGE	CCT	LUMENS
PT435N	2X4 LED Smart Light Panel 50W 3500K	50	3500	6,250
PT440N	2X4 LED Smart Light Panel 50W 4000K	50	4000	6,250
PT450N	2X4 LED Smart Light Panel 50W 5000K	50	5000	6,250

BLUETOOTH CONTROL SWITCHES

MODEL #	DESCRIPTION	USAGE
BCS02	Solar bluetooth control switch	Used to control functionality of the fixture; on/off, dimming, daylight harvesting and scene selection.
BCS03	Bluetooth button battery powered wall switch	Used to control functionality of the fixture; on/off, dimming, daylight harvesting and scene selection. Dimensions: 1-1/4" width x 2 5/8" height x 1/2" depth.
BCS05	Bluetooth 7 Button AC Powered Wall Switch 120-277V	AC powered wall switch used to control functionality of the fixture; on/off, dimming and scene selection.

Note: Switches don't have CCT selectable capability.



BCS02



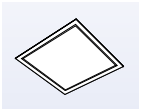
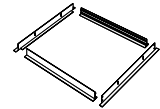
BCS03



BCS05

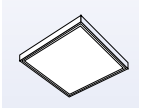
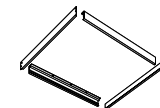
DRYWALL MOUNT KIT

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"

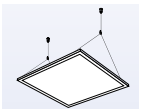


SUSPENSION MOUNT KIT

MODEL #	DESCRIPTION	USAGE	WEIGHT RATING	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'



Cable Length is 5'



EMERGENCY BATTERY BACKUP

MODEL #	DESCRIPTION	USAGE
EB10N	10W Emergency Battery Backup	Supplies battery backup to an individual fixture for up to 90 minutes. <u>Must be ordered with EBCM or EBAM indicator module.</u>
EBCM	Ceiling-Mounted Indicator Module	This Ceiling-Mounted Indicator Module (EBCM) can be used with one of Litetronics' emergency battery backup products (EB10, EB10N or EB20) to provide a visual confirmation of the operational status of the EBB unit. This module is typically used in grid ceiling applications where it is recess mounted in a panel adjacent to the fixture.
EBAM	Adhesive-Mounted Indicator Module	This Adhesive-Mounted Indicator Module (EBAM) must be used with one of Litetronics' emergency battery backup products (EB10, EB10N or EB20) to provide a visual confirmation of the operational status of the EBB unit. This module is typically used in open ceiling or drywall ceiling applications where the module is applied to the side of the fixture, mounting kit, or a nearby structural element.

EB10N



EBCM

EBAM



WIRELESS CONTROL

The LED Smart Light Panel uses bluetooth technology for a completely wireless connection to your smart phone or remote wall switch.



Set up and manage your space with LiteSmart.

Use the remote switch for everyday control.



LITESMART
by Litetronics

LiteSmart is a mobile app that enables total management of lighting systems at the touch of your fingers. Within the app, all LED Smart Light Panel functionality can be set up and controlled; on/off, dimming, grouping, scene creation and time scheduling. Adjustments can also be made to the occupancy sensor and daylight harvesting settings, then implemented across an entire group in seconds.

BENEFITS

- Total control over your lighting system
- Quick and easy changes that can be implemented in seconds across a group of fixtures
- Further energy reduction via occupancy sensing, daylight harvesting and max wattage control
- Ability to create custom scenes based on specific needs, such as presentations
- Time scheduling that sets hours of operation per day

NETWORK CAPABILITIES

- Unlimited admins and guests can be added to each network
- Each network supports up to 100 fixtures
- Individual fixtures can belong to up to 32 groups
- Up to 127 scenes can be created from one network
- Up to 10 switches can be created from one network



WIRELESS SWITCH

Part #BCS02, BCS03
or BCS05

The bluetooth control switch comes in handy for the daily occupants of a space. This switch, which can be wall mounted, enables quick adjustments to be made to a specific group of fixtures. Features include on/off, dimming, daylight harvesting and scene selection. The switch must be set up through the LiteSmart mobile app, but can then function on it's own within any space.

BENEFITS

- Control over key functions for a specific group of lights
- Adjustments are quick and easy, and create an optimized space for a variety of needs
- Further reduce energy via daylight harvesting function, or disable daylight harvesting for full brightness
- Ability to choose between custom scenes based on specific needs within the space

SWITCH CAPABILITIES

- Enable/disable auto daylight harvesting
- Brighten/dim a group or turn on/off the entire group of fixtures
- Program up to 3 scenes per switch