LITETRONICS®

PROJECT:			
CATALOG #			
TYPE:		DATE:	

LED SMART LIGHT PANEL RETROFIT

WITH SELECTABLE CCT AND TUNABLE WATTAGE

The LED Smart Light Panel Retrofit brings a new level of control and convenience to interior grid ceiling applications and sensitivity to surrounding daylight conditions and locations. Equipped with an on-board sensor that supports both occupancy sensing and daylight harvesting, this retrofit kit 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.

This LED retrofit can accommodate all standard sizes of fluorescent troffers, including 1' x4 ', 2' x 2', 2' x 4', and it's patented design makes installation simple and quick. The kit can be installed by one person in less than two minutes, without breaking into the ceiling plenum. Once installation is complete, all functionality can be set up via LiteSmart, then controlled through the app or our wireless remote switch.

The LED Smart Light Panel Retrofit delivers up to 125 lumens per watt (LPW) over the course of it's 50,000-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 troffers. Furthermore, it's backed by an industry-leading 5-year warranty, guaranteeing peace of mind for the life of your fixture.

FEATURES

- Wireless control via mobile app or bluetooth wall switch (optional)
- Programmable sensor with occupancy and daylight sensing (Optional)
- Selectable CCT (3500K, 4000K, 5000K)
- Sensor remote control
- Bluetooth sensor (LiteSmart)
- 50,000-hour rated life
- 5-year warranty
- DLC Premium (125 LPW)
- Sealed enclosure (Bug/dust free)
- Anti-yellowing frosted diffuser
- Continuous dimming

MARKETS

- Schools and universities
- Offices and municipal buildings
- Healthcare facilities and hospitals
- Commercial
- Retail
- Industrial workrooms

APPLICATIONS

- Drop/grid ceilings
- Fluorescent troffers

CERTIFICATIONS

DLC LISTED PREMIUM · c UL us · FEDERAL COMMUNICATIONS COMMISSION FC USA · RoHS Compliant

SPECIFICATIONS

Life (@L70): 50,000 hours
Warranty: 5 years

PERFORMANCE

Operating temp: -4°F to 113°F (-20°C to 45°C)
Efficacy (LPW): 125
CRI: 80

ELECTRICAL

Input voltage: 100-277V
Input frequency: 50/60Hz
PF: ≥.95
THD: ≤20%
Surge protection: ANSI C82.77 compliant
Switch Dimming: No
Dimming: 0-10V
Minimum dimming: Continuous dimming (0-100%)
Aux. Power Tap: N/A
Driver CL: N/A
Whip/Cord: N/A
Sensor: PIR (Passive Infrared)

OPTICAL

Beam: N/A
Lens: Polycarbonate Frosted
UGR: 22

PHYSICAL

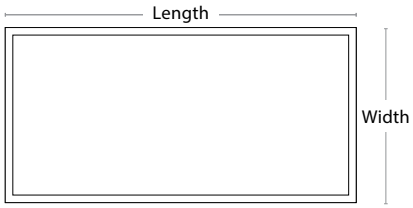
Finish: Powder Coat
Color: White
Housing: Painted Steel

INDUSTRY STANDARDS/RATINGS

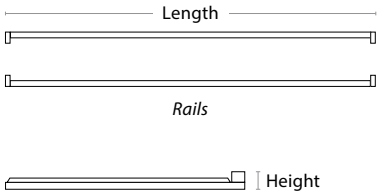
IP: 20
IK: N/A
Location: N/A
IC: No
UL: Yes
ETL: No
FCC: Yes
RoHS: Yes
DLC: 5.1 Premium

DIMENSIONS / WEIGHT

ORDER#	LENGTH	WIDTH	HEIGHT	RAIL LENGTH	WEIGHT
PRT4AN	45″	21″	1.625″	47″	11.47 lbs
PRT2AN	21″	21″	1.625″	23″	6.28 lbs
PRT1AN	45″	10.5″	1.625″	47″	6.95 lbs



Panel (2′ x 4′ shown here)



Panel (side profile)

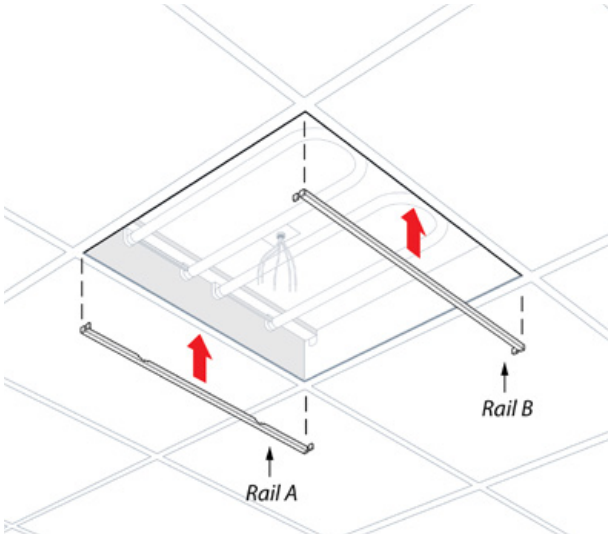
MOUNTING

Standard: T-bar grid (drop ceilings) mounted fluorescent troffers
Wiring access: 1/2″ trade size knockouts

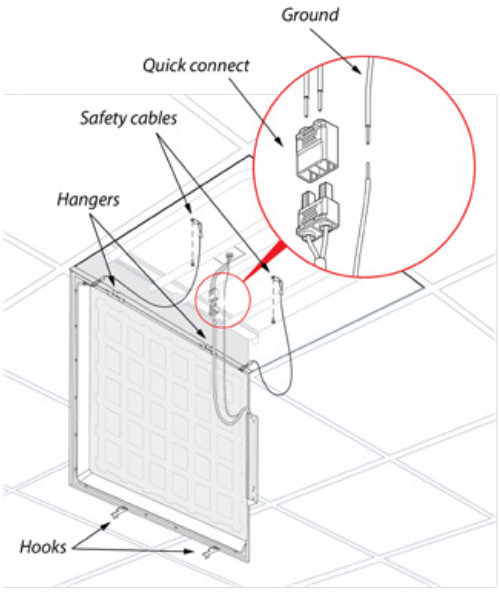
ACCESSORIES

Bluetooth Contol Switch: Used to control lighting functions such as on/off, dimming, daylight harvesting and scene selection

PRODUCT OVERVIEW AND INSTALLATION



The mounting rails are inserted between the troffer and grid rail on oppositie sides with the anti-rotational tabs pointed inward and notches facing up.



The panel hangers are inserted into the notches on the mounting rail, enabling the panel to hang freely while electrical connections are completed.

ORDERING INFORMATION

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

MODEL #	DESCRIPTION	SIZE	WATTAGE	VOLTS	CCT(K)	LUMENS
PRT4AN	2X4 LED Smart Light Panel Retrofit Selectable CCT & Tunable Watts	2′ x 4′	50	120-277V	3500K | 4000K | 5000K	6250
PRT2AN	2X2 LED Smart Light Panel Retrofit Selectable CCT & Tunable Watts	2′ x 2′	36	120-277V	3500K | 4000K | 5000K	4500
PRT1AN	1X4 LED Smart Light Panel Retrofit Selectable CCT & Tunable Watts	1′ x 4′	36	120-277V	3500K | 4000K | 5000K	4500

BCS02

BCS03

BCS05

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.

SCR054

EB10

EBCM

TR01

EMERGENCY BATTERY BACKUP

MODEL #	DESCRIPTION	USAGE
SCR054	Remote Control	Used to Commission LiteTronics "Next Generation" LiteSmart IR-Enabled Sensor.
EB10	10W Emergency Battery Backup	Supplies battery backup to an individual fixture for up to 90 minutes. Must be ordered with EBCM or EBAM indicator module.
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.
TR01	LED Emergency Light Test Remote	This accessory is required to operate and test the EMBB. • Only one remote required per area, building or site as necessary.

LITESMART

Download on the App Store | GET IT ON Google Play

LiteSmart is a mobile app that enables total management of lighting systems at the touch of your fingers. Within the app, all 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.

- 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

The smart PIR sensor uses a remote control (SCR054) to Commission LiteTronics "Next Generation" LiteSmart IR-Enabled Sensor.

Set up and manage your space with LiteSmart. Use the remote switch for everyday control.