LITETRONICS®

LED LIGHT PANEL RETROFIT

WATT AND CCT SELECTABLE WITH SENSOR SOCKET

DESCRIPTION

The LED Light Panel Retrofit brings a new level of control and convenience to interior grid ceiling applications and sensitivity to surrounding daylight conditions and locations.

Our LED Light Panel Retrofit Series features field-selectable wattage and CCT, enabling a wide range of output options from a single fixture. Each fixture includes up to 5 selectable watt settings and 4 options for color temperature (3000K/3500K/4000K/5000K).

Expand the capabilities of the LED Light Panel Retrofit with a pluggable sensor (sold separately) for occupancy sensing and daylight harvesting capabilities which automatically decreases energy use. Each feature can be customized to the preference of the occupants 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 functionalities can be set up via LiteSmart, then controlled through the app or our wireless remote control SCR054 (sold separately).

The LED Light Panel Retrofit 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 troffers. Furthermore, it's backed by an industry-leading 10-year warranty, guaranteeing peace of mind for the life of your fixture.

MARKETS

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

FEATURES

- 5 Selectable watt settings
- Selectable CCT (3000K | 3500K | 4000K | 5000K)
- DLC 5.1 Premium (pending)
- Size options: 2'x4', 2'x2', 1'x4'
- UL Damp location rating
- Compatible with Emergency Battery Backup
- 100,000-hour rated life
- 10-year warranty
- Optional pluggable sensor enabling occupancy sensing and daylight harvesting (sold separately)
- IR Programming feature using the SCR054 control
- Wireless setup and group control via LiteSmart mobile app
- Local control via bluetooth wall switch accessory

MOUNTING

- Grid ceiling
- Fluorecent Troffers

SPECIFICATIONS

Life (@L70): 100,000 hours
Warranty: 10 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
Whip/Cord: N/A
Optional Sensor: SC010 - PIR, Bluetooth Interface

OPTICAL

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

PHYSICAL

Finish: Powder Coat
Color: White
Housing: N/A

INDUSTRY STANDARDS/RATINGS

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

MOUNTING

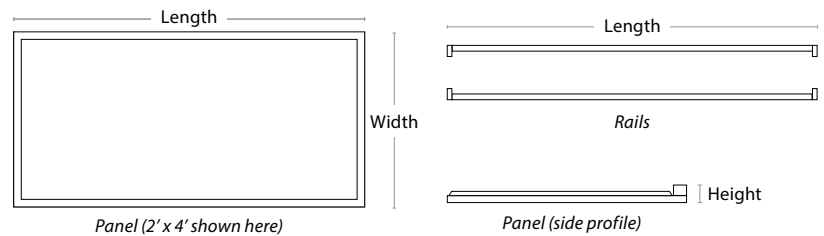**Standard:** T-bar grid (drop ceilings) mounted fluorescent troffers
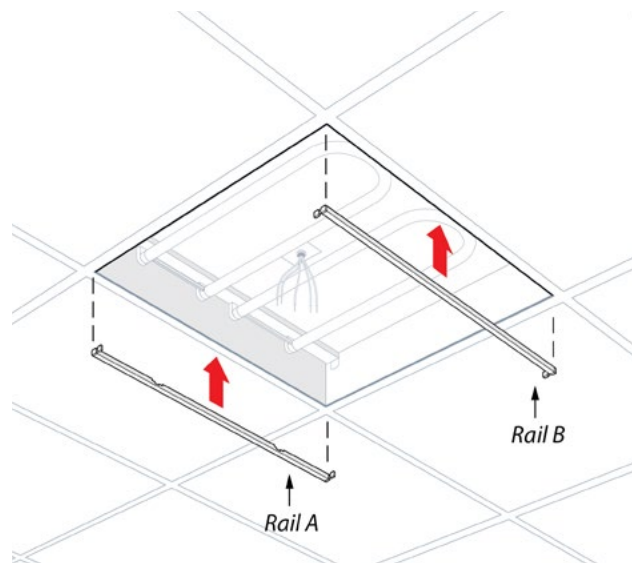**Wiring access:** Quick connect

ACCESSORIES

Pluggable Bluetooth PIR Sensor with IR
Remote Control
Bluetooth Control Switches

DIMENSIONS / WEIGHT

ORDER#	LENGTH	WIDTH	HEIGHT	RAIL LENGTH	WEIGHT
PRT4S	46.93″	22.91″	1.625″	47.87″	11.47 lbs
PRT2S	22.91″	22.91″	1.625″	23.85″	6.28 lbs
PRT1S	46.93″	10.94″	1.625″	47.87″	6.95 lbs

Panel (2' x 4' shown here)

Rails

Panel (side profile)

PRODUCT OVERVIEW AND INSTALLATION

Rail B

Rail A

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.

ORDERING INFORMATION

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

ORDERING CODE	DESCRIPTION	SIZE	WATTS	VOLTS	CCT (K)	LUMENS
PRT4S	2' x 4' LED Light Panel Retrofit Watt and CCT Selectable With Sensor Socket	2' x 4'	25 | 30 | 40 | 45 | 50	120-277V	3000K | 3500K | 4000K | 5000K	3125 | 3750 | 5000 | 5625 | 6250
PRT2S	2' x 2' LED Light Panel Retrofit Watt and CCT Selectable With Sensor Socket	2' x 2'	18 | 20 | 25 | 30 | 36	120-277V	3000K | 3500K | 4000K | 5000K	2250 | 2500 | 3125 | 3750 | 4500
PRT1S	1' x 4' LED Light Panel Retrofit Watt and CCT Selectable With Sensor Socket	1' x 4'	18 | 20 | 25 | 30 | 36	120-277V	3000K | 3500K | 4000K | 5000K	2250 | 2500 | 3125 | 3750 | 4500

EMERGENCY BATTERY BACKUP

MODEL #	DESCRIPTION	USAGE
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.
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.
TR01	Test Remote Control	Used for testing and demonstrating the functionality of EB20 emergency battery backup integrated products. • Only one remote required per area, building or site as necessary.

EB10

EBCM

EBAM

TR01

BLUETOOTH SENSOR AND CONTROL ACCESSORY

MODEL #	DESCRIPTION	USAGE
SC010	Pluggable Bluetooth PIR Sensor with IR	This sensor enables wireless control of fixtures, or groups of fixtures, through the LiteSmart mobile app.
SCR054	Remote Control	Used to Commission LiteTronics "Next Generation" LiteSmart IR-Enabled sensors.

SC010

SCR054

BLUETOOTH CONTROL SWITCHES

MODEL #	DESCRIPTION	USAGE
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.

BCS03

BCS05