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.

**KEY FEATURES**
- Wireless control via mobile app or bluetooth wall switch (optional)
- Daylight harvesting
- Occupancy sensing
- 100,000-hour rated life
- 10-year warranty
- Up to 125 LPW
- Sealed enclosure (Bug/dust free)
- Anti-yellowing frosted diffuser
- Continuous dimming
- Suitable for damp locations

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

**APPLICATIONS**
- Drop/grid ceilings
- Fluorescent troffers
**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 type:** Class 2
- **LED driver model:** 1x4 and 2x2 = P42UDL-A0920
  
  2x4 = P42UDL-A1020
- **CRI:** 80
- **Lens type:** Polycarbonate frosted
- **Dimming:** 0-10VDC ANSI C137.x compliant
- **Minimum dimming:** 0% of rated lumen
- **LED drive current**
- **Location rating:** Damp
- **UL/cUL listed:** Yes
- **RoHS compliant:** Yes

**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**

<table>
<thead>
<tr>
<th>SIZE</th>
<th>LENGTH</th>
<th>WIDTH</th>
<th>HEIGHT</th>
</tr>
</thead>
<tbody>
<tr>
<td>2’ x 4’</td>
<td>47.5”</td>
<td>23.75”</td>
<td>2.8”</td>
</tr>
<tr>
<td>2’ x 2’</td>
<td>23.75”</td>
<td>23.75”</td>
<td>2.8”</td>
</tr>
<tr>
<td>1’ x 4’</td>
<td>47.5”</td>
<td>11.9</td>
<td>2.8”</td>
</tr>
</tbody>
</table>

**PRODUCT OVERVIEW AND INSTALLATION**

- LED Light Panel
- Conduit knockout
- Grid clips
- LED Driver
- PIR Sensor
- Polycarbonate frosted diffuser
- LED Light Panel
- Conduit knockout
- Tee-grid bar
## ORDERING INFORMATION

### 2' X 2'

<table>
<thead>
<tr>
<th>MODEL #</th>
<th>DESCRIPTION</th>
<th>WATTAGE</th>
<th>CCT</th>
<th>LUMENS</th>
</tr>
</thead>
<tbody>
<tr>
<td>PT235N</td>
<td>2X2 LED Smart Light Panel</td>
<td>36</td>
<td>3500</td>
<td>4,500</td>
</tr>
<tr>
<td>PT240N</td>
<td>2X2 LED Smart Light Panel</td>
<td>36</td>
<td>4000</td>
<td>4,500</td>
</tr>
<tr>
<td>PT250N</td>
<td>2X2 LED Smart Light Panel</td>
<td>36</td>
<td>5000</td>
<td>4,500</td>
</tr>
</tbody>
</table>

### 2' X 4'

<table>
<thead>
<tr>
<th>MODEL #</th>
<th>DESCRIPTION</th>
<th>WATTAGE</th>
<th>CCT</th>
<th>LUMENS</th>
</tr>
</thead>
<tbody>
<tr>
<td>PT435N</td>
<td>2X4 LED Smart Light Panel</td>
<td>50</td>
<td>3500</td>
<td>6,250</td>
</tr>
<tr>
<td>PT440N</td>
<td>2X4 LED Smart Light Panel</td>
<td>50</td>
<td>4000</td>
<td>6,250</td>
</tr>
<tr>
<td>PT450N</td>
<td>2X4 LED Smart Light Panel</td>
<td>50</td>
<td>5000</td>
<td>6,250</td>
</tr>
</tbody>
</table>

### 1' X 4'

<table>
<thead>
<tr>
<th>MODEL #</th>
<th>DESCRIPTION</th>
<th>WATTAGE</th>
<th>CCT</th>
<th>LUMENS</th>
</tr>
</thead>
<tbody>
<tr>
<td>PT135N</td>
<td>1X4 LED Smart Light Panel</td>
<td>36</td>
<td>3500</td>
<td>4,500</td>
</tr>
<tr>
<td>PT140N</td>
<td>1X4 LED Smart Light Panel</td>
<td>36</td>
<td>4000</td>
<td>4,500</td>
</tr>
<tr>
<td>PT150N</td>
<td>1X4 LED Smart Light Panel</td>
<td>36</td>
<td>5000</td>
<td>4,500</td>
</tr>
</tbody>
</table>

### BLUETOOTH CONTROL SWITCHES

<table>
<thead>
<tr>
<th>MODEL #</th>
<th>DESCRIPTION</th>
<th>USAGE</th>
</tr>
</thead>
<tbody>
<tr>
<td>BCS01</td>
<td>Bluetooth control switch (batteries needed)</td>
<td>Used to control functionality of the fixture; on/off, dimming, daylight harvesting and scene selection.</td>
</tr>
<tr>
<td>BCS02</td>
<td>Solar bluetooth control switch</td>
<td>Used to control functionality of the fixture; on/off, dimming, daylight harvesting and scene selection.</td>
</tr>
</tbody>
</table>

### DRYWALL MOUNT KIT

<table>
<thead>
<tr>
<th>MODEL #</th>
<th>DESCRIPTION</th>
<th>USAGE</th>
<th>OUTSIDE DIMENSIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>FPAM224</td>
<td>2x4 Drywall Mount Kit</td>
<td>Recess mount 2x4 Panels in ceiling surfaces</td>
<td>47.85” x 23.94” x 2.44”</td>
</tr>
<tr>
<td>FPAM222</td>
<td>2x2 Drywall Mount Kit</td>
<td>Recess mount 2x2 Panels in ceiling surfaces</td>
<td>24.07” x 23.94” x 2.44”</td>
</tr>
<tr>
<td>FPAM221</td>
<td>1x4 Drywall Mount Kit</td>
<td>Recess mount 1x4 Panels in ceiling surfaces</td>
<td>47.85” x 11.97” x 2.44”</td>
</tr>
</tbody>
</table>

### SURFACE MOUNT KIT

<table>
<thead>
<tr>
<th>MODEL #</th>
<th>DESCRIPTION</th>
<th>USAGE</th>
<th>OUTSIDE DIMENSIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>PTAM204</td>
<td>2x4 Surface Mount Kit</td>
<td>Surface mount 2x4 Panels to ceiling surfaces</td>
<td>47.85” x 23.94” x 3.1875”</td>
</tr>
<tr>
<td>PTAM202</td>
<td>2x2 Surface Mount Kit</td>
<td>Surface mount 2x2 Panels to ceiling surfaces</td>
<td>24.07” x 23.94” x 3.1875”</td>
</tr>
<tr>
<td>PTAM301</td>
<td>1x4 Surface Mount Kit</td>
<td>Surface mount 1x4 Panels to ceiling surfaces</td>
<td>47.85” x 11.97” x 3.1875”</td>
</tr>
</tbody>
</table>

### SUSPENSION MOUNT KIT

<table>
<thead>
<tr>
<th>MODEL #</th>
<th>DESCRIPTION</th>
<th>USAGE</th>
<th>WEIGHT RATING</th>
<th>DISTANCE FROM CEILING</th>
</tr>
</thead>
<tbody>
<tr>
<td>PTAM214</td>
<td>2x4 Suspension Mount Kit</td>
<td>Suspend 2x4 Panels from ceiling</td>
<td>25 lbs</td>
<td>4.45’</td>
</tr>
<tr>
<td>PTAM212</td>
<td>2x2 Suspension Mount Kit</td>
<td>Suspend 2x2 Panels from ceiling</td>
<td>25 lbs</td>
<td>4.45’</td>
</tr>
<tr>
<td>PTAM211</td>
<td>1x4 Suspension Mount Kit</td>
<td>Suspend 1x4 Panels from ceiling</td>
<td>25 lbs</td>
<td>4.45’</td>
</tr>
</tbody>
</table>
**WIRELESS CONTROL**

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

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**LITESMART**
**by Litetronics**

**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

A supplemental app, LiteBright, enables additional energy management functionality with the ability to set the max wattage of your fixtures.

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**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

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**WIRELESS SWITCH**
**Part # BCS01 or BCS02**

**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

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**Set up and manage your space with LiteSmart.**

**Use the remote switch for everyday control.**

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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.

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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.