LED SMART VOLUMETRIC TROFFER
with Integrated Programmable Controls

The LED Smart Volumetric Troffer 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 seemlessly 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 Volumetric Troffer 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 ceiling 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
- Suitable for damp locations
- Continuous dimming
- DLC Premium

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

APPLICATIONS
- Drop/grid ceilings
- Fluorescent troffers

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www.Litetronics.com
**PRODUCT OVERVIEW**

- **On-board PIR sensor**
- **Tee-grid bar**
- **LED Volumetric Troffer**
- **Conduit knockout**
- **LED driver**
- **Grid clips**

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**SPECIFICATIONS**

- **Average rated life:** 100,000 hours (@L70)
- **Warranty:** 10 years
- **Operating temp:** -4°F to 113°F (-20°C to 45°C)
- **Surge protection:** ANSI C82.77 compliant
- **Input voltage:** 120-277V
- **Input frequency:** 50/60Hz
- **Power factor:** ≥0.95
- **CRI:** 80

- **Dimming:** Continuous dimming (0-100%)
- **Location rating:** Damp
- **ETL listed:** Yes
- **RoHS compliant:** Yes
- **DLC rating:** Premium
- **Sensor type:** PIR (passive infrared)

**MOUNTING**

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

**ACCESSORIES**

- Bluetooth Control Switch
- Surface Mounting Kit
- Drywall Mounting Kit
- Suspension Mounting Kit

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**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>47.75”</td>
<td>23.75”</td>
<td>2.875”</td>
</tr>
<tr>
<td>2’ x 2’</td>
<td>23.75”</td>
<td>23.75”</td>
<td>2.875”</td>
</tr>
<tr>
<td>1’ x 4’</td>
<td>47.75”</td>
<td>11.9”</td>
<td>2.875”</td>
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</tbody>
</table>
## 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>VLT235N</td>
<td>2x2 LED Smart Volumetric Troffer 36W 3500K</td>
<td>36</td>
<td>3500</td>
<td>4,500</td>
</tr>
<tr>
<td>VLT240N</td>
<td>2x2 LED Smart Volumetric Troffer 36W 4000K</td>
<td>36</td>
<td>4000</td>
<td>4,500</td>
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<tr>
<td>VLT250N</td>
<td>2x2 LED Smart Volumetric Troffer 36W 5000K</td>
<td>36</td>
<td>5000</td>
<td>4,500</td>
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### 2' x 4'

<table>
<thead>
<tr>
<th>Model #</th>
<th>Description</th>
<th>Wattage</th>
<th>CCT</th>
<th>Lumens</th>
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</thead>
<tbody>
<tr>
<td>VLT435N</td>
<td>2x4 LED Smart Volumetric Troffer 50W 3500K</td>
<td>50</td>
<td>3500</td>
<td>6,250</td>
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<tr>
<td>VLT440N</td>
<td>2x4 LED Smart Volumetric Troffer 50W 4000K</td>
<td>50</td>
<td>4000</td>
<td>6,250</td>
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<tr>
<td>VLT450N</td>
<td>2x4 LED Smart Volumetric Troffer 50W 5000K</td>
<td>50</td>
<td>5000</td>
<td>6,250</td>
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### 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>VLT135N</td>
<td>1x4 LED Smart Volumetric Troffer 36W 3500K</td>
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<tr>
<td>VLT140N</td>
<td>1x4 LED Smart Volumetric Troffer 36W 4000K</td>
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<td>VLT150N</td>
<td>1x4 LED Smart Volumetric Troffer 36W 5000K</td>
<td>36</td>
<td>5000</td>
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### 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>
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</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</td>
<td>47.85&quot; x 23.94&quot; x 2.44&quot;</td>
</tr>
<tr>
<td>FPAM222</td>
<td>2x2 Drywall Mount Kit</td>
<td>Recess mount 2x2 Panels</td>
<td>24.07&quot; x 23.94&quot; x 2.44&quot;</td>
</tr>
<tr>
<td>FPAM221</td>
<td>1x4 Drywall Mount Kit</td>
<td>Recess mount 1x4 Panels</td>
<td>47.85&quot; x 11.97&quot; x 2.44&quot;</td>
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</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</td>
<td>47.85&quot; x 23.94&quot; x 3.1875&quot;</td>
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<tr>
<td>PTAM202</td>
<td>2x2 Surface Mount Kit</td>
<td>Surface mount 2x2 Panels</td>
<td>24.07&quot; x 23.94&quot; x 3.1875&quot;</td>
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<tr>
<td>PTAM301</td>
<td>1x4 Surface Mount Kit</td>
<td>Surface mount 1x4 Panels</td>
<td>47.85&quot; x 11.97&quot; x 3.1875&quot;</td>
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</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>
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</thead>
<tbody>
<tr>
<td>PTAM214</td>
<td>2x4 Suspension Mount Kit</td>
<td>Suspend 2x4 Panels</td>
<td>25 lbs</td>
<td>4.45'</td>
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<tr>
<td>PTAM212</td>
<td>2x2 Suspension Mount Kit</td>
<td>Suspend 2x2 Panels</td>
<td>25 lbs</td>
<td>4.45'</td>
</tr>
<tr>
<td>PTAM211</td>
<td>1x4 Suspension Mount Kit</td>
<td>Suspend 1x4 Panels</td>
<td>25 lbs</td>
<td>4.45'</td>
</tr>
</tbody>
</table>
**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.

**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 CONTROL**

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

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

**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

**WIRELESS SWITCH**

Part # BCS01 or BCS02

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.

**LITESMART**

by Litetronics

Set up and manage your space with LiteSmart.

*Use the remote switch for everyday control.*