LITETRONICS®

PROJECT:			
CATALOG #			
TYPE:		DATE:	

LED VOLUMETRIC TROFFER

WITH SENSOR SOCKET

DESCRIPTION

Combining top-tier efficiency with a refined architectural design, the LED Volumetric Troffer is the perfect solution for modern indoor commercial spaces, including standard grid ceiling applications.

The Volumetric Troffer with Sensor Socket takes indoor lighting control and convenience to the next level. With optional occupancy sensing and daylight harvesting (using a pluggable sensor, sold separately), the fixture automatically reduces energy consumption while allowing each feature to be tailored to occupant preferences.

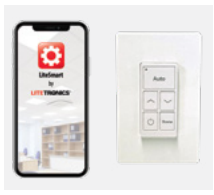
Setup is fast and intuitive through the LiteSmart mobile app, which provides Bluetooth® control for grouping fixtures, customizing settings, and creating scene configurations—all directly from a mobile device. For larger projects, commissioning is made simple with the IR programming feature using the SCR054 control (sold separately).

Installation is quick and hassle-free. The fixture fits seamlessly into standard 1'x4', 2'x2', and 2'x4' grid ceiling layouts and can also be surface-mounted, suspended, or recessed into drywall ceilings. Each room or group of fixtures can be configured for maximum flexibility and control.









FEATURES

- 5 Selectable watts & CCT
- Easy Installation
- DLC 6.0 Premium
- 0-10V Dimming
- Optional local control via Bluetooth wall switch accessory
- Compatible with Emergency Battery Backup
- 100,000-hour rated life
- 10-year warranty
- Optional pluggable sensor enabling occupancy sensing and daylight harvesting (sold separately)
- Optional IR Commissioning feature using the SCR054 control
- TAA Compliant

MARKETS

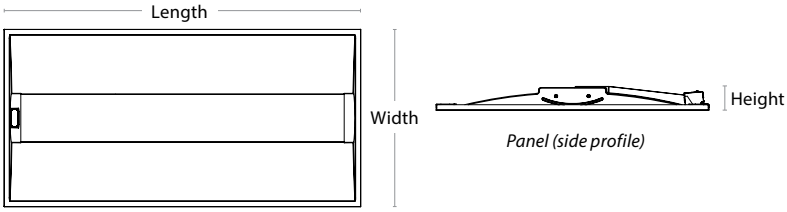
- Schools & Universities
- Offices & Municipal Buildings
- Healthcare Facilities/ Hospitals
- Retail

MOUNTING

- Grid Ceiling
- Suspended Mount
- Surface Mount
- Recessed Drywall

DIMENSIONS / WEIGHT

Part	Size	Length	Width	Height	Weight
VLT4S6	2' x 4'	47.75"	23.74"	2.20"	7.78 lbs
VLT2S6	2' x 2'	23.74"	23.74"	2.20"	5.62 lbs
VLT1S6	1' x 4'	47.75"	11.92"	2.20"	5.91 lbs



Panel (2' x 4' shown here)

Panel (side profile)

CERTIFICATIONS

Disclaimer: Specifications are subject to change without notice. While Litetronics makes every effort to ensure accuracy, we do not guarantee the completeness or reliability of the information provided. For the most current product data, please visit www.litetronics.com.

SPECIFICATIONS

Life (@L70): 100,000 hours
Warranty: 10 years

PERFORMANCE

Operating temp: -4°F to 113°F (-20°C to 45°C)
Efficacy (LPW): 150
CRI: >80

ELECTRICAL

Input voltage: 120-277V
Input frequency: 50/60Hz
PF: ≥.90
THD: <18%
Surge protection: 2kV
Dimming: 0-10V
Aux. Voltage: 12V
Optional Sensor: Microwave, PIR, and Bluetooth options

OPTICAL

Beam: 115°
Lens: Polycarbonate
UGR: <22

PHYSICAL

Finish: Powder Coated
Color: White
Housing: Painted Steel

INDUSTRY STANDARDS/RATINGS

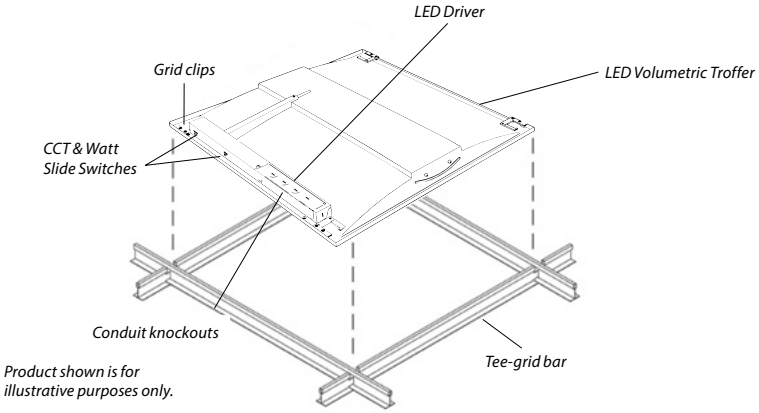
IP: IP20
IK: IK04
Location: Damp
IC: Yes
ETL: Yes
FCC: Yes
RoHS: Yes
DLC: 6.0 Premium

MOUNTING

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

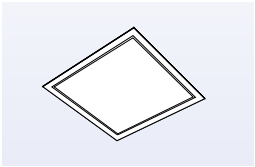
PRODUCT OVERVIEW AND INSTALLATION

STANDARD GRID CEILING MOUNTING

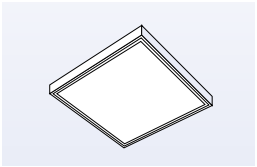


Product shown is for illustrative purposes only.

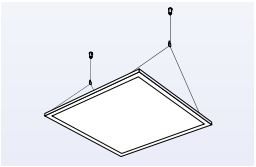
ALTERNATIVE MOUNTING OPTIONS



Recessed drywall mounted



Surface mounted



Suspension mounted

ORDERING INFORMATION

Listed below are the included max wattage and lumens for each model number.
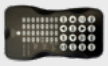
Ordering Code	Description	Size (In)	Watts	Volts	CCT (K)	Lumens
VLT4S6	LED Volumetric Troffer with Selectable Watt/CCT and Sensor Socket	2 x 4	15 | 20 | 25 | 30 | 35	120-277	3000 | 3500 | 4000 | 5000 | 6000	2,250 | 3,000 | 3,750 | 4,500 | 5,250
VLT2S6	LED Volumetric Troffer with Selectable Watt/CCT and Sensor Socket	2 x 2	15 | 18 | 20 | 22 | 25	120-277	3000 | 3500 | 4000 | 5000 | 6000	2,250 | 2,700 | 3,000 | 3,300 | 3,750
VLT1S6	LED Volumetric Troffer with Selectable Watt/CCT and Sensor Socket	1 x 4	15 | 18 | 20 | 22 | 25	120-277	3000 | 3500 | 4000 | 5000 | 6000	2,250 | 2,700 | 3,000 | 3,300 | 3,750

Accessories - Emergency Battery Backup

Ordering Code	Image	Description	Usage
EB10AM		10W Emergency Battery Backup with Adhesive Mounted Indicator Module (120-277V)	Supplies 90 minutes of battery backup to the fixture in times of a power outage. • This unit is compatible with fixtures using ≤80W only. • Adhesive mounted indicator module (EBAM). Field installed.
EB10CM		10W Emergency Battery Backup with Ceiling Mounted Indicator Module (120-277V)	Supplies 90 minutes of battery backup to the fixture in times of a power outage. • This unit is compatible with fixtures using ≤80W only. • Ceiling mounted indicator module (EBCM). Field installed.
TR01		Test Remote Control	Used for testing and demonstrating the functionality of EB10 emergency battery backup integrated products. • Only one remote required per area, building or site as necessary.

ACCESSORIES

Accessories - Bluetooth Sensor, Control and Switch Accessory

Ordering Code	Image	Description	Usage
SC010		Pluggable Bluetooth PIR Sensor with IR For Up to 15 Ft. Max Mounting Height	This sensor enables wireless control of fixtures, or groups of fixtures, through the LiteSmart mobile app.
BCM01		Pluggable Bluetooth Control Module with IR	Designed to work in conjunction with an SC010-equipped fixture. Provides Bluetooth wireless control for additional fixtures through the LiteSmart mobile app without requiring each fixture to have its own PIR sensor. Enables cost-effective control of multiple fixtures within the same space.
SCR054		Remote Control	Used to Commission LiteTronics “Next Generation” LiteSmart IR-Enabled sensors.
SC013		Pluggable PIR Sensor For Up to 15 Ft. Max Mounting Height	Provides PIR motion sensing and IR communication for occupancy detection and control of individual fixtures. Does not include Bluetooth capability or LiteSmart app connectivity. Can be programmed through remote control SCR053.
SCR053		Remote Control for plug-in PIR Microwave sensors	Used to adjust sensor settings after installation, from the ground. (For SC013)

Accessories - Bluetooth Control Switches

Ordering Code	Image	Description	Usage
BCS03		Bluetooth battery powered wall switch	Control functionality of the fixture; on/off, dimming, daylight harvesting and scene selection with battery power.
BCS05		Bluetooth AC Powered Wall Switch 120-277V	Control functionality of the fixture; on/off, dimming and scene selection with AC power.

Note: Switches don’t have CCT or wattage selectable capability.

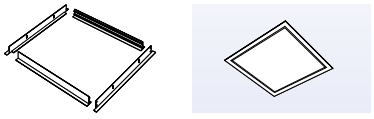
MOUNTING ACCESSORIES

Part	Description	Usage	Outside Dimensions
PADMT2	2x2 Drywall Mount Kit	Recess mount 2x2 Panels in ceiling surfaces	25.46” x 25.46” x 1.65”
PADMT4	2x4 Drywall Mount Kit	Recess mount 2x4 Panels in ceiling surfaces	49.44” x 25.46” x 1.65”
PADMT1	1x4 Drywall Mount Kit	Recess mount 1x4 Panels in ceiling surfaces	49.44” x 13.57” x 1.65”

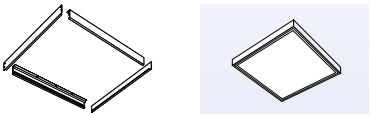
Part	Description	Usage	Outside Dimensions
PTAM202	2x2 Surface Mount Kit	Surface mount 2x2 Panels to ceiling surfaces	24.07” x 23.94” x 3.1875”
PTAM204	2x4 Surface Mount Kit	Surface mount 2x4 Panels to ceiling surfaces	47.85” x 23.94” x 3.1875”

Part	Description	Usage	Weight Rating	Max Distance from Ceiling
PTAM212	2X2 Suspension Mount Kit	Suspend 2x2 Panels from ceiling	25 lbs	4.45’
PTAM214	2x4 Suspension Mount Kit	Suspend 2x4 Panels from ceiling	25 lbs	4.45’
PTAM211	1X4 Suspension Mount Kit	Suspend 1x4 Panels from ceiling	25 lbs	4.45’

DRYWALL MOUNT KIT



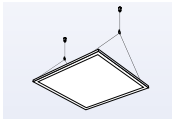
SURFACE MOUNT KIT



SUSPENSION MOUNT KIT



Cable Length is 5'



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WIRELESS CONTROL

The LED Smart Volumetric Troffer 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 Smart LED Volumetric Troffer functionality can be set up and controlled, including power, 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

Download on the App Store

GET IT ON Google Play



WIRELESS SWITCH
Part #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

HAVE QUESTIONS?

Our Customer Service team can help. Call us at 800-860-3392 or send an email to customerservice@litetronics.com