LITETRONICS®

LED SMART VOLUMETRIC TROFFER RETROFIT
WITH SELECTABLE CCT & TUNABLE WATTS

DESCRIPTION

Combining top-of-the-line efficiency with a sophisticated, architectural design, the LED Volumetric Troffer Retrofit is an ideal solution for indoor commercial spaces, including grid ceiling applications.

The Smart Volumetric Troffer Retrofit brings a new level of control and convenience to indoor lighting. Occupancy sensing and daylight harvesting capabilities automatically decrease energy use, and each feature can be customized to the preference of the occupants. Setup is easy with the LiteSmart mobile app or LiteSmart Plus iPad app, which enables group control, custom settings and scene configurations, all via bluetooth technology from your own mobile device or iPad.

Installation of the fixture is simple and quick; this LED troffer fits seamlessly into all standard 2' x 4', 2' x 2' or 1' x 4' grid ceiling layouts. It can also be surface and suspension mounted, or recessed into drywall ceilings. Each room or group of fixtures can be controlled via LiteSmart, LiteSmart Plus or by a wall mounted bluetooth switch.

FEATURES

- Selectable CCT (3500K | 4000K | 5000K)
- Tunable Watts : 2' x 4' - 50W, 2' x 2' - 36W, 1' x 4' - 36W
- Size options: 2' x 4', 2' x 2', 1' x 4'
- Occupancy sensing
- Daylight harvesting
- Custom scene configuration
- Time scheduling
- Continuous dimming
- DLC 5.1 Premium
- UL Damp location rating
- Commissioning feature using the SCR054 control
- Wireless setup and group control via LiteSmart mobile app and LiteSmart Plus iPad app
- Local control via Bluetooth wall switch accessory
- Compatible with Emergency Battery Backup
- 100,000-hour rated life
- 10-year warranty

MOUNTING

- Grid ceiling
- Suspension
- Surface Mount
- Recessed drywall

APPLICATIONS

- Drop ceilings

MARKETS

- Healthcare
- Hospitals
- Offices
- Retail
- Schools
- Warehouses

CERTIFICATIONS

ORDERING INFORMATION

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: 120-277V
Input frequency: 50/60Hz
PF: ≥ .95
THD: ≤20
Surge protection: ANSI C82.77 compliant
Dimming: Continuous
Minimum dimming: 0% of rated lumen LED drive current
Aux. Power Tap: N/A
Driver CL: N/A
Whip/Cord: No
Sensor: Yes

OPTICAL

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

PHYSICAL

Finish: Powder Coat
Color: White
Housing: Backlit Center Basket

INDUSTRY STANDARDS/RATINGS

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

DIMENSIONS / WEIGHT

ORDER#	LENGTH	WIDTH	HEIGHT	RAIL LENGTH	WEIGHT
VRT4AN	45"	21"	2.875"	47"	8.82 lbs.
VRT2AN	21"	21"	2.875"	23"	8.655 lbs.
VRT1AN	45"	10.5"	2.875"	47"	14.718 lbs.

Panel (2' x 4' shown here)
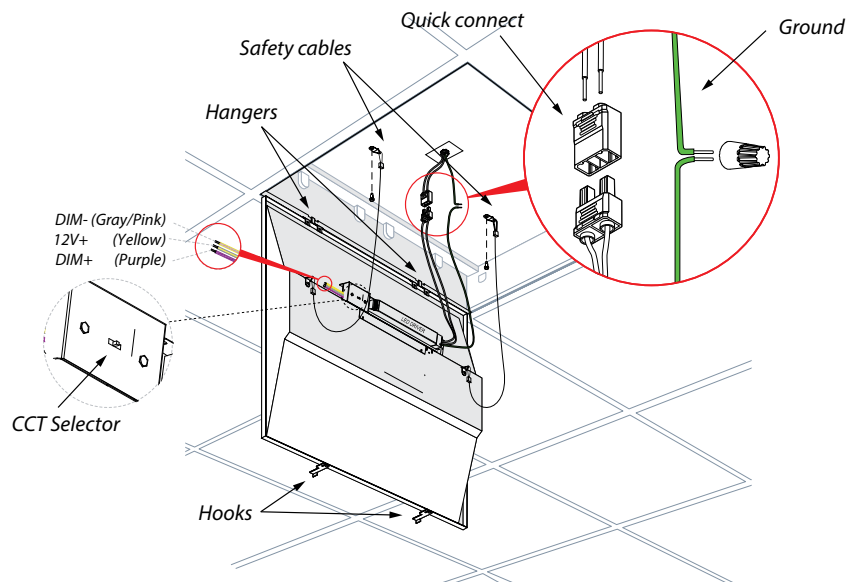

Rails

Panel (side profile)
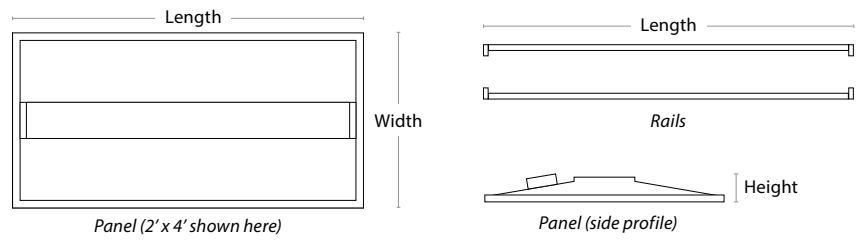
PRODUCT OVERVIEW AND INSTALLATION

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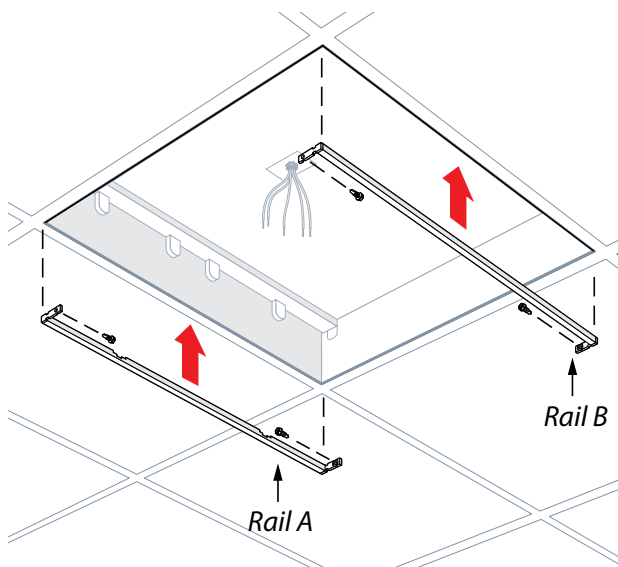
The mounting rails are inserted between the troffer and grid rail on oppositie sides with the anti-rotational tabs pointed inward and notches facing up.

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

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

MODEL #	DESCRIPTION	SIZE	MAX WATTAGE	VOLTS	CCT	LUMENS
VRT4AN	2x4 LED Volumetric Troffer Retrofit with Selectable CCT and Tunable Watts	2' x 4'	50	120-277	3500K | 4000K | 5000K	6,250
VRT2AN	2x2 LED Volumetric Troffer Retrofit with Selectable CCT and Tunable Watts	2' x 2'	36	120-277	3500K | 4000K | 5000K	4,500
VRT1AN	1x4 LED Volumetric Troffer Retrofit with Selectable CCT and Tunable Watts	1' x 4'	36	120-277	3500K | 4000K | 5000K	4,500

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   EBAM   TR01

ACCESSORIES

MODEL #	DESCRIPTION	USAGE
EB10	10W Emergency Battery Backup	Supplies battery backup to an individual fixture for up to 90 minutes. <u>Must be ordered with EBCM or EBAM indicator module.</u>
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 back-up 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 EB10 emergency battery backup integrated products. • Only one remote required per area, building or site as necessary.
SCR054	Remote Control	Used to Commission LiteTronics "Next Generation" LiteSmart IR-Enabled Sensor.