



project name	type
catalog number	voltage
approved by	date

VL1 VL1 VOLUMETRIC TROFFER SERIES

The VL1 Troffer has a low profile, architectural design and delivers glare-free, even illumination for interior spaces. It is color and power selectable, with 120-347V driver providing on-site flexibility right out of the box. With multiple mounting options, controls ready capabilities, and battery backup options, this fixture adapts to your needs.



FEATURES AND BENEFITS

PERFORMANCE

- Power & Color Select Technology for simplified SKU management and field customization.
 - PowerSET – 3 Power settings
 - ColorSET – 3 CCT settings (3500K/4000K/5000K)
- Input voltage: 120-347V.
- Sizes: 1X4, 2X2, and 2X4 to cover all requirements.
- PMMA acrylic lens: diffused for glare control, non-yellowing, with IK07 impact resistance rating.
- White powder-coated steel housing.
- Technical performance:
 - CRI >80
 - Efficacy up to 140 LPW
 - Lumen Maintenance 70% (L70) > 100,000 hours
 - Power Factor: 0.9
 - THD: <20%
 - Surge Protection: 2.5kV included
 - IC (Insulation Contact) Rated for safe and direct contact with ceiling insulation.
 - Ambient operating temperature: -40°F to 122°F (-40°C to 50°C). For use with sensor, refer to chosen sensor's spec sheet for operating temperature range.
- All products are DesignLights Consortium® (DLC) Premium listed.

INSTALLATION

- Slim profile, lightweight design for easy installation.
- Standard fixture installs to T-Grid Ceilings.
- Surface and suspension mounting options available:
 - Recessed Mount Kit
 - Surface Mount Kit

CONTROLS

- Standard 0-10V dimming with Dim-to-Off.
- Controls Ready design for standalone and networked control options.
 - Ships with controls ready receptacle for field installation.
 - EiKO Plug-and-Play sensors and controls available.
 - 3rd Party networked controls options through factory customizations.

CUSTOMIZATION

- Factory installed options to meet custom requirements and building codes:
 - 90-minute emergency lighting
 - 3rd party networked controls
 - Custom cord lengths and plugs

DLC LISTING INFORMATION

ORDER CODE	MODEL	DLC PRODUCT ID	DLC CLASSIFICATION
13792	VL1-14PS35-FCCT-H	S-KZD6IB	Standard
13794	VL1-22PS35-FCCT-H	S-R2U8EH	Standard
13796	VL1-24PS45-FCCT-H	S-X93JM5	Standard
13798	VL1-24PS90-FCCT-H	S-3VRSZP	Standard

AVAILABLE MODELS

ORDER CODE	NAME	NOMINAL SIZE	WATTS (W)	COLOR TEMPERATURE (K)	LUMEN OUTPUT (lm)	VOLTAGE (VAC)
13792	VL1-14PS35-FCCT-H	1x4	35/30/22W	3500/4000/5000K	4,900/4,200/3,080 lm	120-347
13794	VL1-22PS35-FCCT-H	2x2	35/30/22W	3500/4000/5000K	4,900/4,200/3,080 lm	120-347
13796	VL1-24PS45-FCCT-H	2x4	45/35/26W	3500/4000/5000K	6,300/4,900/3,640 lm	120-347
13798	VL1-24PS90-FCCT-H	2x4	90/75/65W	3500/4000/5000K	12,600/10,500/9,100 lm	120-347

ORDERING GUIDE							
MODEL CONFIGURATOR					FACTORY INSTALLED OPTIONS		
MODEL	SIZE	WATTS	COLOR TEMPERATURE	VOLTAGE	CORD LENGTH	EMERGENCY OPTIONS	CONTROLS
VL1			FCCT	H			
VL1	14 - 1X4 22 - 2X2 24 - 2X4	PS - PowerSET PS35 - 35/30/22W PS45 - 45/35/26W PS90 - 90/75/65W	FCCT – Field Color Selectable (3500K/4000K/5000K)	H - 120-347V	[Blank]: Default no cord A1xx: 300V 18/3 armored cable, XX to specify length up to 99' A2xx: 600V 18/3 armored cable, XX to specify length up to 99' W3xx: 600V 18/6 white service cord with dimming wires and a 24/7 hot wire for battery backup Custom length required (in feet)	[Blank]: Default, no Emergency option EB08: 8W Emergency Battery pack, 100-347V (For use with PS35 and PS45 models only) EB18: 18W Emergency battery pack, 100-347V EB40: 40W Emergency battery pack, 100-347V ((For use with PS90 model only)	[Blank]: Default, no controls M14: Stand-alone PIR Motion Sensor, 8-12ft M21: Bluetooth NLC PIR Motion sensor, 8-12ft

MOUNTING ACCESSORIES

ORDER CODE	NAME	DESCRIPTION	IMAGES
RECESSED MOUNT KITS			
13913	FP1-RMK-14	FP1 Recessed Mount Kit For 1x4 Flat Panels and Troffers	
13914	FP1-RMK-22	FP1 Recessed Mount Kit For 2x2 Flat Panels and Troffers	
13915	FP1-RMK-24	FP1 Recessed Mount Kit For 2x4 Flat Panels and Troffers	
SURFACE MOUNT KITS			
13909	FP1-SMK-14	FP1 Surface Mount Kit For 1x4 Flat Panels and Troffers	

ACCESSORIES CONT'D

ORDER CODE	NAME	DESCRIPTION	IMAGES
MOUNTING ACCESSORIES			
13908	FP1-SMK-22	FP1 Surface Mount Kit For 2x2 Flat Panels and Troffers	
13912	FP1-SMK-24	FP1 Surface Mount Kit For 2x4 Flat Panels and Troffers	

EMERGENCY LIGHTING SOLUTIONS

ORDER CODE	NAME	DESCRIPTION	IMAGES	FACTORY INSTALLED CODE
11675	EEBE18WHA170S* View spec sheet	EiKO 18W - 120-347V Emergency battery pack Single Flex - Conduit CEC Compliant. See spec sheet for full details.		EB18

*** WARNING:** When using these AC version battery packs with any controls solution, internal rewiring is required according to the installation sheets' wiring diagram. Failure to do so may result in a violation of safety codes.



CONTROLS READY

STANDALONE LIGHT & MOTION SENSORS

Field-installable, snap-in, plug-and-play sensors transform Eiko controls ready fixtures into smart lighting devices which respond to the environment and save time, cost and energy consumption, in applications up to 12ft.

Configure Eiko standalone sensor settings using the sensor commissioning tool to achieve desired behavior and enable advanced light control functions, such as Daylight Harvesting and Dusk-to-Dawn dimming.



PIR: SENA-SHPR

[View spec sheets for complete product information.](#)

ORDER CODE	MODEL	DESCRIPTION	IMAGE
13697	SENA-SHPR	Stand-alone PIR Motion Sensor, 12-14V, 1/2" Button Snap-in, 0-10V, Daylight Harvesting, 8-12ft, Parameters set by SEN5A-ACT	
SEN5A COMMISSIONING TOOL			
13344	SEN5A-ACT	Commissioning Tool for SEN5A	

EiKO Standalone sensors come with default settings below:

- Brightness: 100%
- Sensitivity: 75%
- Hold Time: 10 minutes
- Daylight Function: Disable
- Dim level: 30%
- Dim Time: 1 minute

BLUETOOTH NETWORKED SENSOR

EiKO's field-installable snap-in Bluetooth (BLE) enabled PIR sensor brings network control capabilities to EiKO Controls Ready fixtures.

Use the Silvoir Commissioning app to set up and configure the sensor settings and your lighting network.

Pair multiple SEN-WSI-PIR-A enabled fixtures to create zone and group level control. Add compatible wall stations or switches to complete your desired control plan and advanced control strategies all through the Silvoir App.

No hubs, routers, gateways required.



PIR : SEN-WSI-PIR-A

[View spec sheets for complete product information.](#)



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SILVAIR

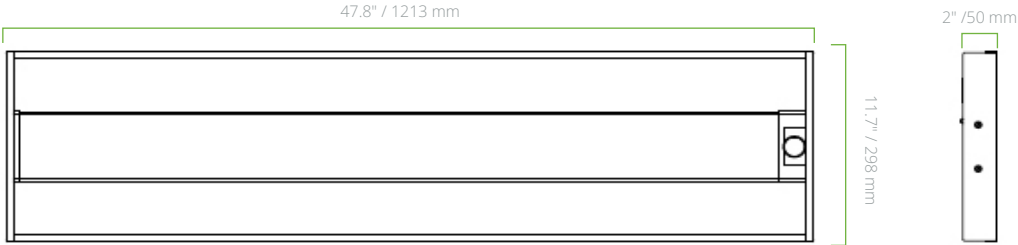


Web App: platform.silvoir.com



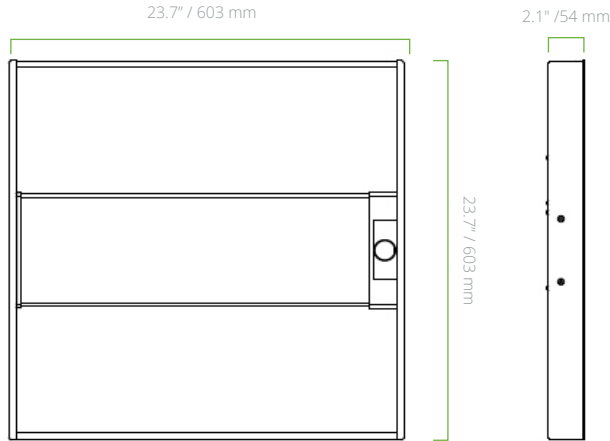
ORDER CODE	MODEL	DESCRIPTION	IMAGE
15439	SEN-WSI-PIR-A	BLE PIR Motion sensor, 12-24V, 1/2" Button Snap-in, 0-10V, Daylight Harvesting, 8-12ft, Parameters set by Silvoir App	
WIRELESS 120-277V WALL CONTROLLERS			
12635	PSC-DM-WS-100-BLE-SR	Bluetooth Single Gang Single Button Wall Controller, 120-277V White, Parameters set by Silvoir App.	
12636	PSC-DM-I-WS-100-BLE-SR	Bluetooth PIR Occupancy/ Vacancy Sensor, 120-277V, Single Gang Wall Controller, White, Parameters set by Silvoir App.	
12637	PSC-DM-WS-400-BLE-SR	Bluetooth 4-Button Wall Controller, 120-277V, Single Gang, White, Parameters set by Silvoir App.	

PRODUCT DIMENSIONS



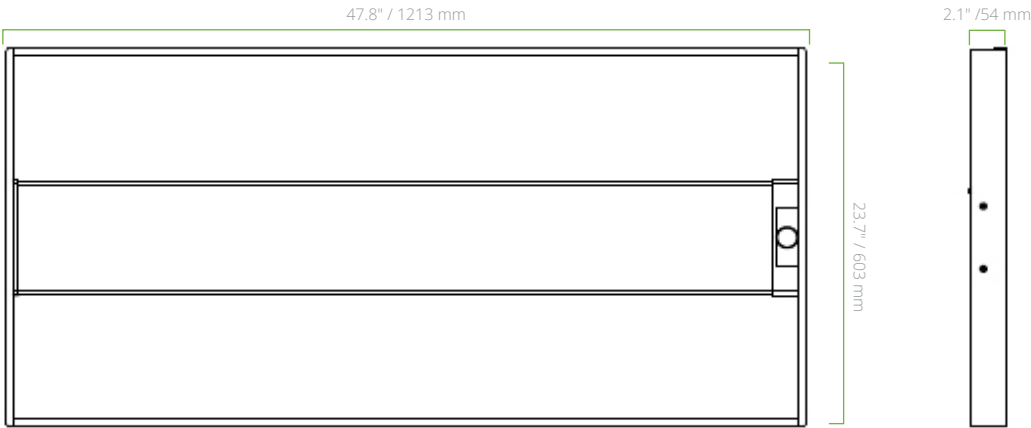
1X4 MODELS

Weight: 7.7 lbs / 3.5 kg



2X2 MODELS

Weight: 6.8 lbs / 3.1 kg



2X4 MODELS

Weight: 11.4 lbs / 5.2 kg