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|----------------|---------|
| 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, screw-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 40ft.

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 |
|--------------------------|---------------|---|-------|
| 13861 | SEN5A-SPPR-WH | Standalone Screw-in PIR Motion Sensor | |
| 13859 | SEN5A-SPMR-WH | Standalone Screw-in Microwave Motion Sensor | |
| 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 screw-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 SENA-WPPR-WH 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 : SENA-WHPA

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

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SILVAIR

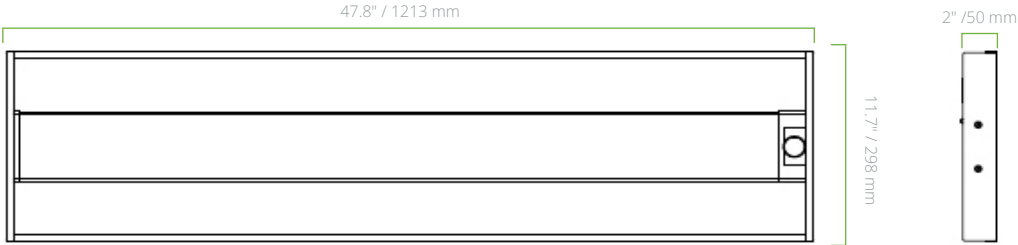


Web App: platform.silvoir.com



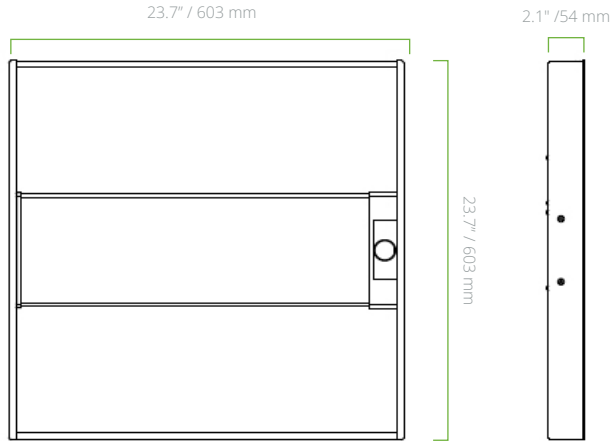
| ORDER CODE | MODEL | DESCRIPTION | IMAGE |
|------------------------------------|------------------------|---|-------|
| 13865 | SENA-WPPA-WH | Bluetooth (BLE) Screw-in PIR Motion sensor | |
| WIRELESS 120-277V WALL CONTROLLERS | | | |
| 12635 | PSC-DM-WS-100-BLE-SR | Bluetooth Single Gang Single Button 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

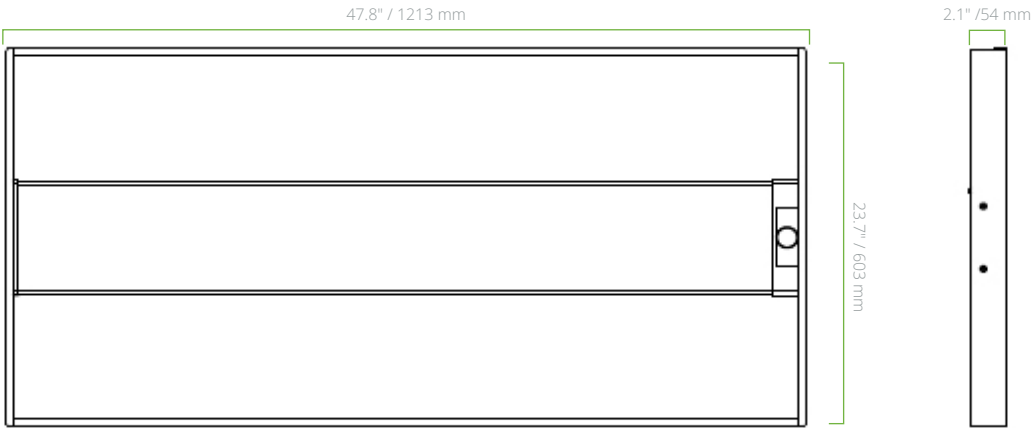


1X4 MODELS

Weight: 7.7 lbs / 3.5 kg



Weight: 6.8 lbs / 3.1 kg



2X4 MODELS

Weight: 11.4 lbs / 5.2 kg