



VL1 Volumetric Troffer

HIGHLIGHTS

- Architectural recessed luminaire featuring Controls Ready
- Controls Ready makes adding controls quick and easy. Includes snap-in receptacle for Standalone (Sept '23) and Networked Lighting Controls
- Flat modern lens featuring high-quality, non-yellowing PMMA acrylic lens ensures optimal light uniformity
- Multiple mounting options: recessed, suspended, surface mount
- Available in 1'x4', 2'x2' and 2'x4' sizes
- PowerSet feature allows for multiple lumen stops out of the box
- FieldCCeT features multiple color temperature settings in one fixture

CERTIFICATIONS

- UL listed for US & Canada
- RoHS Compliant
- FCC Compliant
- ICES-005 Compliant
- IC Rated for insulation contact
- Damp Location rated
- DesignLights Consortium® Qualified - meets DLC requirements for efficacy and lumen maintenance

PERFORMANCE

- High efficacy, up to 140 lm/W
- Available in PowerSet models: power-selectable 35/30/22W, 45/35/26W, 90/75/65W
- Available in FieldCCeT models: fieldselectable CCT 35/40/5000K
- CRI: >80
- Estimated L70: 100,000 Hours

ELECTRICAL

- Input voltage: 120-277V or 120-347V
- 0-10V dimming, dim-to-off
- 12VDC Aux, 100mA max
- Surge Protection: 2.5 kV
- Power Factor: >0.9
- THD: <20%

THERMAL

- -40°F to 122°F (-40°C to 50°C) ambient operating temperature
- Ambient operating temperature with sensor (see selected sensor datasheet)

CONSTRUCTION

- White powder coated steel housing
- IK07 Rated non-yellowing PMMA light diffusing acrylic lens

WARRANTY

- 5-Year limited warranty available [online](#). Contact your EiKO sales rep for additional details.

project name	type
catalog number	voltage
approved by	date



1X4



2X2



2X4



APPLICATIONS

- Campus
- Classroom
- Hospital
- Office
- Retail
- Schools

KEY FEATURES

SELECTABLE CCT AND WATTAGE

Choose your CCT and Wattage upon install; great for SKU reduction and job site flexibility

CONTROLS READY

Easily add controls anytime without the need for additional wiring by using the snap-in receptacle. Simply remove the cover and then snap-in the standalone (Sept '23) or networked lighting control solution.

MULTIPLE MOUNTING OPTIONS

Fixture can be recessed, surface or cable mounted. Surface and cable mount kit sold separately.



SENSOR SOLD SEPARATELY
(SENA-WHPA or SENA-SHPR)



CCT AND WATTAGE
SELECTABLE

AVAILABLE MODELS (ALL MODELS ARE CONROLS READY)

ORDER	ORDER CODE	ITEM #	SIZE	WATTS*	CCT**	LUMENS	EFFICACY (lm/W)	VOLTAGE	TRADITIONAL WATTAGE EQUIVALENT	DLC ID# STANDARD
1x4										
	13792	VL1-14PS35-FCCT-H	1x4	35/30/22W	3500/4000/5000K	4900/4200/3080 lm	140 lm/W	120-347VAC	3x 17WT8, 2U31T8 Fluorescent	S-KZD6IB
2x2										
	13794	VL1-22PS35-FCCT-H	2x2	35/30/22W	3500/4000/5000K	4900/4200/3080 lm	140 lm/W	120-347VAC	3x 17WT8, 2U31T8 Fluorescent	S-R2U8EH
2x4										
	13796	VL1-24PS45-FCCT-H	2x4	45/35/26W	3500/4000/5000K	6300/4900/3640 lm	140 lm/W	120-347VAC	2x 32T8, 3x 32T8 Fluorescent	S-X93JM5
	13797	VL1-24PS45-FCCT-U	2x4	45/35/22W	3500/4000/5000K	6300/4900/3640 lm	140 lm/W	120-277VAC	2x 32T8, 3x 32T8 Fluorescent	S-3QDI4R
	13798	VL1-24PS90-FCCT-H	2x4	90/75/65W	3500/4000/5000K	12,600/10,500/9100 lm	140 lm/W	120-347VAC	6x T8, 4x T5 Fluorescent	S-3VRSZP

* All power-selectable fixtures ship at the highest wattage setting
** All CCT-selectable fixtures ship at 4000K

FACTORY INSTALLED OPTIONS		
CUSTOM CORD LENGTH	EMERGENCY BATTERY	CONTROLS
[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' Custom length required (in feet)	[Blank]: Default, no battery back-up EB08*: 8W External Battery Backup, 100-347V EB18*: 18W External Battery Backup, 100-347V EB40*: 40W External Battery Backup, 100-347V	[Blank]: Default, no controls M14: Stand-alone PIR Motion Sensor, 8-12ft M21: Bluetooth NLC PIR Motion sensor, 8-12ft

* Batteries are wired, not secured to fixture.

MODEL CONFIGURATOR							FACTORY INSTALLED OPTIONS						
MODEL	-	SIZE	WATTS	-	FCCT	-	VOLTAGE	-	CORD LENGTH	-	EMERGENCY BATTERY	-	CONTROLS
VL1	-			-		-		-		-		-	

EXAMPLE PART NUMBER: PART NUMBER FROM AVAILABLE MODELS FOLLOWED BY -A110-EB08-M14

REFER TO FOLLOWING SECTIONS FOR DETAILS ON FACTORY INSTALLED OPTIONS & AVAILABLE FIELD INSTALLED OPTIONS

ACCESSORIES

ORDER	ORDER CODE	ITEM #	DESCRIPTION	
MOUNTING ACCESSORIES				
	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	
	13909	FP1-SMK-14*	FP1 Surface Mount Kit For 1x4 Flat Panels and Troffers	

ACCESSORIES CONT'D

ORDER	ORDER CODE	ITEM #	DESCRIPTION	
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	

* Visit eiko.com for compatible alternate from previous generation.

BATTERY BACKUPS

ORDER	ORDER CODE	ITEM #	DESCRIPTION	FACTORY INSTALLED CODE
	11674	EEBE08WHA170S* (**)	EiKO Emergency Battery External 8W 120-347V 170VDC CEC Compliant. Factory or field install. See spec sheet for full details.	EB08
	11675	EEBE18WHA170S*	EiKO Emergency Battery External 18W 100-347V 170VDC Single Flex-Conduit CEC Compliant. Factory or field install. See spec sheet for full details.	EB18
	13574	EEBE40WHA170S*	EiKO Emergency Battery External 40W 100-347VAC 170VDC Linear Single Flex-Conduit CEC Compliant. Factory or field install. See spec sheet for full details.	EB40

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

** Not compatible with 90W models

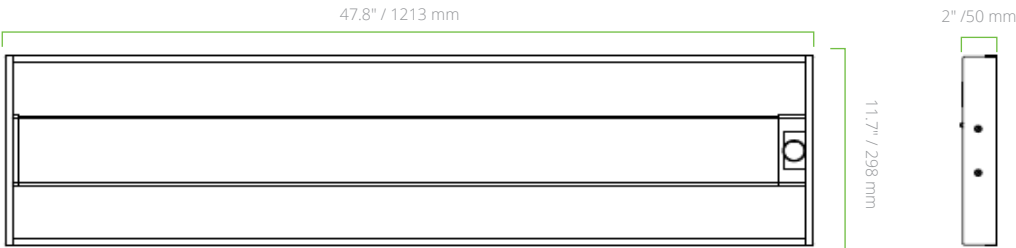
CONTROLS & SENSORS: FIELD OR FACTORY INSTALLED INSTALLED

ORDER	ORDER CODE	ITEM #	DESCRIPTION	FACTORY INSTALLED CODE
STANDALONE CONTROLS				
PIR SENSORS				
AVAILABLE SEPT '23	13697	SENA-SHPR	Stand-alone PIR Motion Sensor, 12-24V, 1/2" Button Snap-in, 0-10V, Daylight Harvesting, 8-12ft, Parameters set by SEN5A-ACT.	M14

REMOTES FOR COMMISSIONING STANDALONE CONTROLS				
	13344	SEN5A-ACT	Commissioning Tool for SEN5A, BAY-E-SEN/PIR, BAY-E-SEN/M, and MS2-DPX-3 (Backward compatible with SEN5A/CT and RC-100)	---

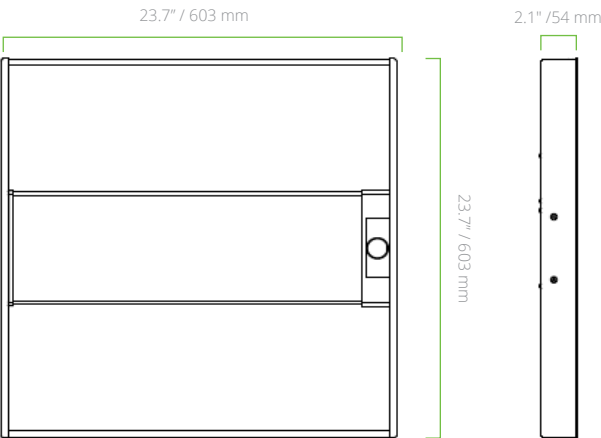
NETWORKED LIGHTING CONTROLS (NLC)				
SENSOR AND CONTROLLER				
	13245	SENA-WHPA	BLE PIR Motion sensor, 12-24V, 1/2" Button Snap-in, 0-10V, Daylight Harvesting, 8-12ft, Parameters set by Silvoir App	M21
	13359	SENA-WCPA	BLE PIR Motion sensor, 12-24V, Ceiling Mount, 0-10V, Daylight Harvesting, 12ft, OD3.3" WhiteTrim (ID2.7"), Parameters set by Silvoir App	---
WALL OR WIRELESS CONTROLLERS				
	12654	ESRPB-W-EO	BLE Easyfit by EnOcean wireless self-powered kinetic Single rocker pad, white, wall plate included.	---
	12655	EDRPB-W-EO	BLE Easyfit by EnOcean wireless self-powered kinetic Double rocker pad, white, wall plate included.	---
	12635	PSC-DM-WS-100-BLE-SR	BLE TruBlu 120-277V, Single Gang Single Button Wall Controller, White, Parameters set by Silvoir App.	---
	12636	PSC-DM-I-WS-100-BLE-SR	BLE TruBlu PIR Occupancy/ Vacancy Sensor, 120-277V, Single Gang Wall Controller, White, Parameters set by Silvoir App.	---
	12637	PSC-DM-WS-400-BLE-SR	BLE TruBlu 120-277V, Single Gang 4-Button Wall Controller, White, Parameters set by Silvoir App.	---

PRODUCT DIMENSIONS



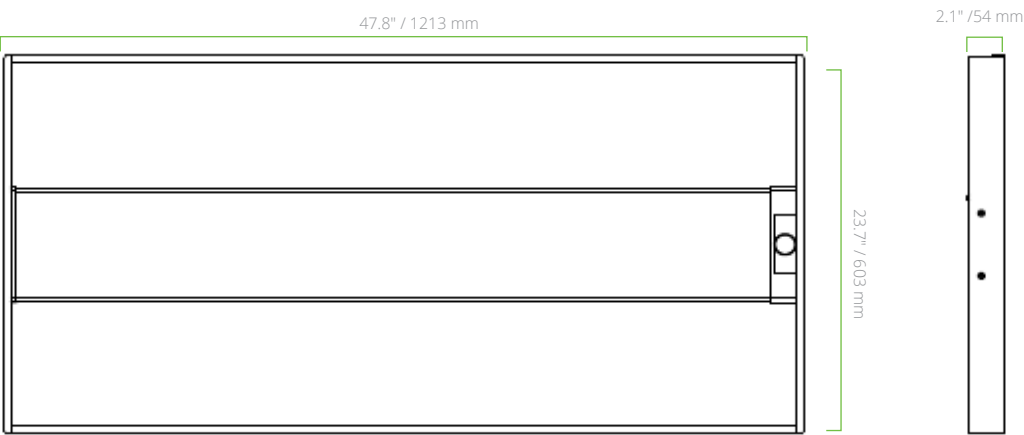
1X4 MODELS

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