



VLR1 Volumetric Troffer Retrofit

HIGHLIGHTS

- Controls Ready Architectural recessed retrofit luminaire
- Controls Ready makes adding controls quick and easy. Includes snap-in receptacle for Standalone (Sept '23) and Networked Lighting Controls
- Available in 1'x4', 2'x2' and 2'x4'
- Flat modern lens featuring high-quality, non-yellowing PMMA acrylic lens ensures optimal light uniformity
- 5 Piece Design, door housing, 2 support brackets and 2 optional side plates to fill the gaps between the fixtures existing ceiling T-bar ensures stability and security
- PowerSet feature allows for multiple lumen stops out of the box
- FieldCCeT features provides multiple color temperature settings in one fixture

CERTIFICATIONS

- UL listed for US & Canada
- RoHS Compliant
- FCC Compliant
- ICES-005 Compliant
- 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

- Office
- Hospital
- Campus
- Classroom
- Retail
- General Purpose lighting

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 networked lighting control solution.

UPDATING OLD TROFFERS MADE EASY

Remove the existing lamps, ballast, and sockets; attach the 2 brackets to the existing housing along with optional 2 side brackets, then attach the door housing.



AVAILABLE MODELS (ALL MODELS ARE CONTROLS READY)

ORDER	ORDER CODE	ITEM #	SIZE	WATTS*	CCT**	LUMENS	EFFICACY (lm/W)	VOLTAGE	TRADITIONAL WATTAGE EQUIVALENT	DLC ID#
										STANDARD
1x4										
	13784	VLR1-14PS35-FCCT-H	1x4	35/30/22W	3500/4000/5000K	4900/4200/3080 lm	140 lm/W	120-347VAC	3x 17WT8, 2U31T8 Fluorescent	S-3M2T4G
2x2										
	13786	VLR1-22PS35-FCCT-H	2x2	35/30/22W	3500/4000/5000K	4900/4200/3080 lm	140 lm/W	120-347VAC	3x 17WT8, 2U31T8 Fluorescent	S-1B9ZMP
2x4										
	13788	VLR1-24PS45-FCCT-H	2x4	45/35/26W	3500/4000/5000K	6300/4900/3640 lm	140 lm/W	120-347VAC	2x 32T8, 3x 32T8 Fluorescent	S-A9QN40
	13789	VLR1-24PS45-FCCT-U	2x4	45/35/26W	3500/4000/5000K	6300/4900/3640 lm	140 lm/W	120-277VAC	2x 32T8, 3x 32T8 Fluorescent	S-V514JO
	13790	VLR1-24PS90-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-X69WBF

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

** All CCT-selectable fixtures ship at 4000K

FACTORY INSTALLED OPTIONS

EMERGENCY BATTERY	CONTROLS
<p>[Blank]: Default, no battery back-up</p> <p>EB08*: 8W, 120-277V (internal) or 120-347V (external) emergency battery back-up</p> <p>EB15*: 15W, 120-277V emergency battery back-up</p> <p>EB20*: 20W, 120-277V emergency battery back-up</p>	<p>[Blank]: Default, no controls</p> <p>M14: Stand-alone PIR Motion Sensor, 8-12ft</p> <p>M21: Bluetooth NLC PIR Motion sensor, 8-12ft</p>

* Batteries are wired, not secured to fixture

MODEL CONFIGURATOR

MODEL CONFIGURATOR							FACTORY INSTALLED OPTIONS				
MODEL	-	SIZE	WATTS	-	FCCT	-	VOLTAGE	-	EMERGENCY BATTERY	-	CONTROLS
VLR1	-					-		-		-	

EXAMPLE PART NUMBER: VLR1-24PS45-FCCT-U

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

BATTERY BACKUPS

ORDER	ORDER CODE	ITEM #	DESCRIPTION	FACTORY INSTALLED CODE
	10918	EEBN08WUA050*	EiKO Emergency Battery Kit Internal 8W 120-277VAC 25-50VDC CEC Compliant Factory or field install. See spec sheet for full details.	EB08
	10896	EEBN15WUA050*	EiKO Emergency Battery Kit Internal 15W 120-277VAC 25-50VDC CEC Compliant Factory or field install. See spec sheet for full details.	EB15
	10897	EEBN20WUA050*	EiKO Emergency Battery Kit Internal 20W 120-277VAC 25-50VDC CEC Compliant Factory or field install. See spec sheet for full details.	EB20
	11674	EEBE08WHA170S	(Field Install Only) EiKO Emergency Battery External 8W 120-347V 170VDC Single Flex-Conduit CEC Compliant n/a for factory code.	---

* **WARNING:** Battery is only compatible with 120-277V version. Contact factory for 347V battery backup options.

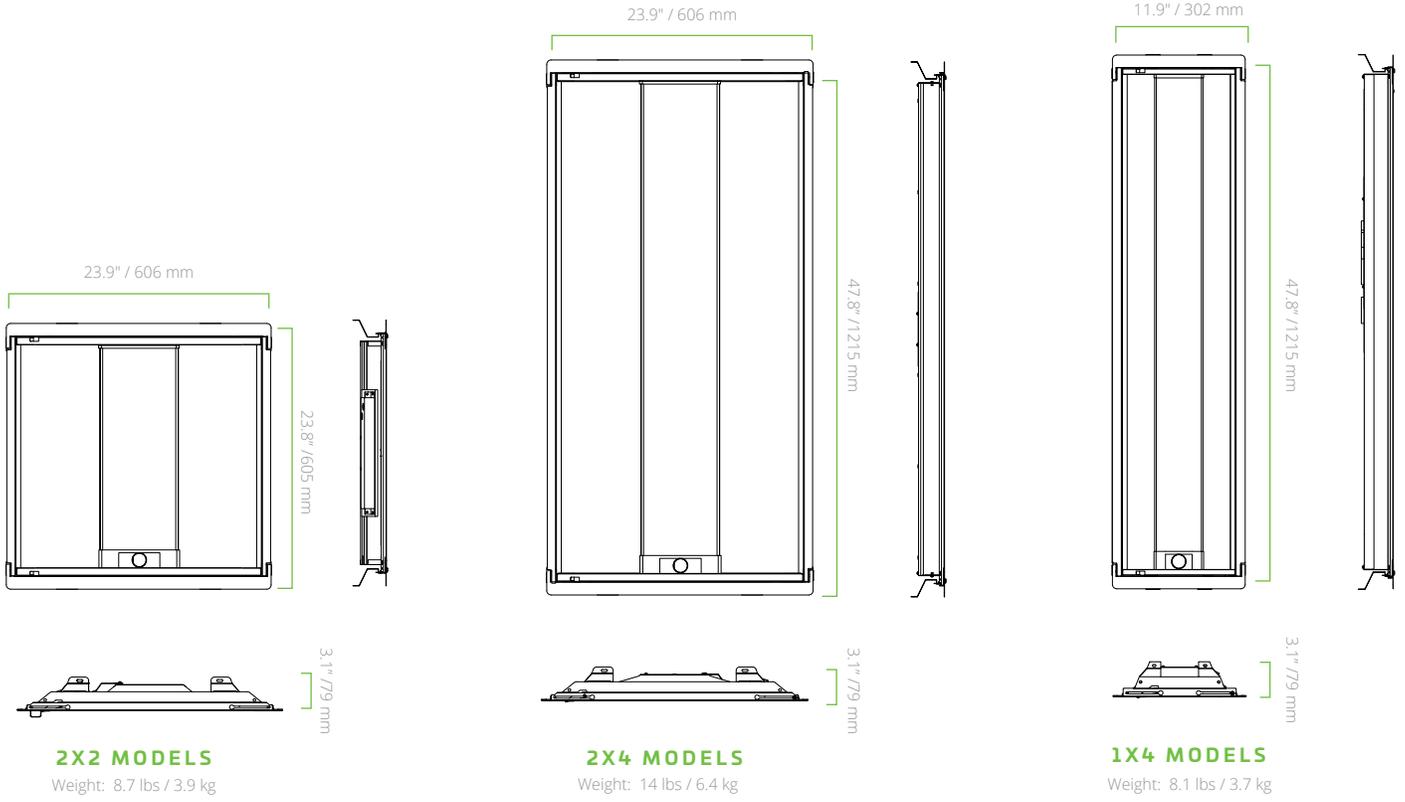
CONTROLS & SENSORS: FIELD INSTALLED

ORDER	ORDER CODE	ITEM #	DESCRIPTION	FACTORY INSTALLED CODE
STANDALONE CONTROLS				
PIR SENSORS				
	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)	---

CONTROLS & SENSORS: FIELD INSTALLED CONT'D

ORDER	ORDER CODE	ITEM #	DESCRIPTION	FACTORY INSTALLED CODE
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.	---
	13234	SGW-101	BLE Silvoir Gateway SGW-101 Manufactured by Rigado (model: Cascade-500). 5-year from Silvoir warranty and tech support.	---

PRODUCT DIMENSIONS



BRACKETS

