



VL1 Volumetric Troffer

HIGHLIGHTS

- Architectural recessed luminaire with lumens up to 12,750
- Direct/indirect illumination for visual comfort with minimal glare
- Clean line styling complements today's modern office decor
- One for one alternative LED solution to fluorescent luminaires/fixtures/troffers
- High Efficacy up to 150 lm/W
- Up to 50% energy savings over fluorescent troffers
- 0-10V dimmable standard
- PowerSet feature allows for multiple lumen stops out of the box
- FieldCCeT features provides multiple color temperature settings in one fixture

CERTIFICATION

- UL listed for US & Canada
- RoHS Compliant
- FCC 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 130 lm/W
- Available in PowerSet models: power-selectable 40/32/26W, 50/40/32W, 85/70/60W
- Available in single CCT models: 3500K, 4000K or 5000K or FieldCCeT models: field-selectable CCT 35/40/5000K
- CRI: >80
- Estimated Lifetime L90: >54,000 Hours

ELECTRICAL

- Input voltage: 120-277V or 120-347V
- 0-10V dimming, dim-to-off
- Power Factor: >0.9
- THD: <10%

THERMAL

- -4°F to 104°F (-20°C to 40°C) ambient operating temperature

CONSTRUCTION

- Reflector Precision die-formed, powder-coated, steel construction
- Custom extruded acrylic lens provides even illumination and visual comfort
- Integral earthquake clips

WARRANTY

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

project name	type
catalog number	voltage
approved by	date



2X2



2X4



HIGHLIGHTS

- Conference Rooms
- Retail
- Offices
- Hospitality
- Healthcare
- Schools
- Reception areas
- corridors
- Foyer

AVAILABLE MODELS

ORDER	ORDER CODE	ITEM #	SIZE	WATTS*	CCT**	LUMENS	EFFICACY (lm/W)	CRI	VOLTAGE	DIMMING	FLOOR EQUIVALENT	DLC ID#
												STANDARD
	10995	VOL22/PS40/FCCT/HD	2x2	40/32/26W	35/40/5000K	3250/4000/5000 lm	130 lm/W	>80	120-347V	0-10V	3x 17WT8, 2U31T8	
	10992	VOL22/PS40/835/HD	2x2	40/32/26W	3500K	3250/4000/5000 lm	130 lm/W	>80	120-347V	0-10V	3x 17WT8, 2U31T8	
	10993	VOL22/PS40/840/HD	2x2	40/32/26W	4000K	3250/4000/5000 lm	130 lm/W	>80	120-347V	0-10V	3x 17WT8, 2U31T8	
	10994	VOL22/PS40/850/HD	2x2	40/32/26W	5000K	3250/4000/5000 lm	130 lm/W	>80	120-347V	0-10V	3x 17WT8, 2U31T8	
	10999	VOL24/PS50/FCCT/HD	2x4	50/40/32W	35/40/5000K	4000/5000/6250 lm	130 lm/W	>80	120-347V	0-10V	2x 32T8, 3x 32T8	
	10996	VOL24/PS50/835/HD	2x4	50/40/32W	3500K	4000/5000/6250 lm	130 lm/W	>80	120-347V	0-10V	2x 32T8, 3x 32T8	
	10997	VOL24/PS50/840/HD	2x4	50/40/32W	4000K	4000/5000/6250 lm	130 lm/W	>80	120-347V	0-10V	2x 32T8, 3x 32T8	
	10998	VOL24/PS50/850/HD	2x4	50/40/32W	5000K	4000/5000/6250 lm	130 lm/W	>80	120-347V	0-10V	2x 32T8, 3x 32T8	
	11471	VOL24/PS85/835/UD	2x4	85/70/60W	3500K	9000/10,800/12,750 lm	150 lm/W	>80	120-277V	0-10V	6x T8, 4x T5	
	11472	VOL24/PS85/840/UD	2x4	85/70/60W	4000K	9000/10,800/12,750 lm	150 lm/W	>80	120-277V	0-10V	6x T8, 4x T5	
	11473	VOL24/PS85/850/UD	2x4	85/70/60W	5000K	9000/10,800/12,750 lm	150 lm/W	>80	120-277V	0-10V	6x T8, 4x T5	

MODEL CONFIGURATOR									
MODEL	-	SIZE	WATTS	-	CCT	-	VOLTAGE	DIMMING	
VOL	-			-		-			

EXAMPLE PART NUMBER: VOL22/PS40/835/HD

ACCESSORIES

ORDER	ORDER CODE	ITEM #	DESCRIPTION
	09898	VOL22-SMK-W	2x2 Surface Mount Kit, White
	09899	VOL24-SMK-W	2x4 Surface Mount Kit, White
	10366	SLM22-RMK-A	2x2 Recessed Mount Kit, White
	10368	SLM24-RMK-A	2x4 Recessed Mount Kit, White
	11029	VOL22-LENS-A	Replacement Lens for VOL22 PowerSet Fixtures
	11030	VOL24-LENS-A	Replacement Lens for VOL24 PowerSet Fixtures
	13914	FP1-RMK-22 FP1	Recessed Mounting Kit For 2x2 Flat Panels and Troffers
	13915	FP1-RMK-24 FP1	Recessed Mountinf Kit For 2x4 Flat Panels and Troffers
	13908	FP1-SMK-22	FP1 Surface Mounting Kit For 2x2 Flat Panels and Troffers
	13912	FP1-SMK-24	FP1 Surface Mounting Kit For 2x4 Flat Panels and Troffers

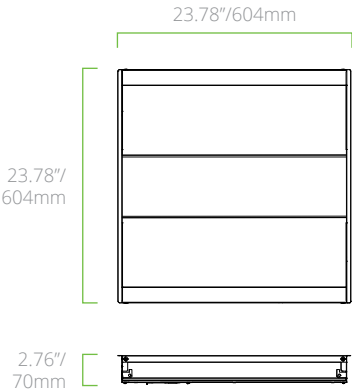
BATTERY BACKUPS

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

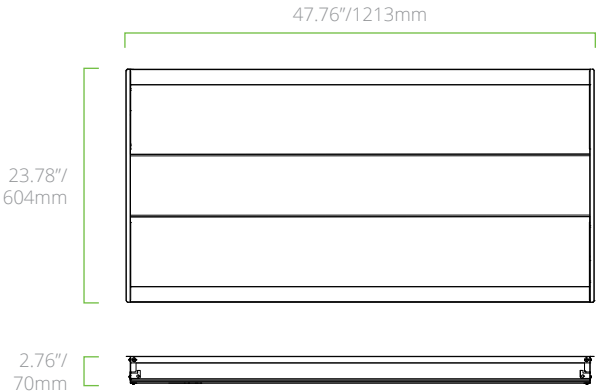
*** WARNING:** When using these AC version battery backups with any control solution, internal rewiring is required according to the installation sheet's wiring diagram. Failure to do so may result in a violation of safety codes.

****** Not compatible with 90W models

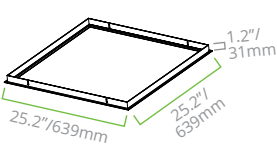
PRODUCT DIMENSIONS



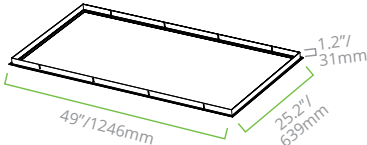
VOL22



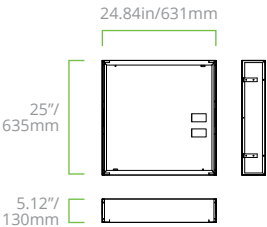
VOL24



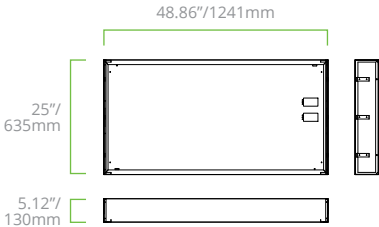
SLM22-RMK-A



SLM24-RMK-A



VOL22-SMK-W

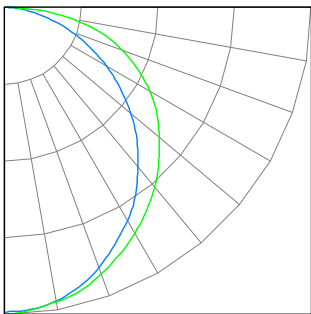


VOL24-SMK-W

PHOTOMETRICS

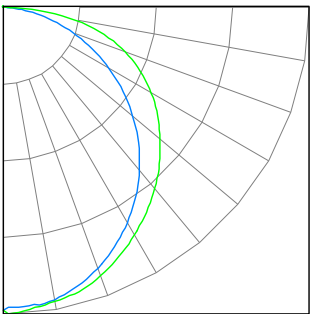
VOL22/PS40/840/HD (Typical performance @40W)

ZONAL LUMEN SUMMARY		
Zone	Lumens	%Fixture
0-30	889.70	54.10
0-40	1415.13	86.10
0-60	1611.67	98.10
0-80	1625.19	98.90
0-90	1627.81	99.10
60-80	13.52	0.80
70-80	4.40	0.30
80-90	2.63	0.20
0-180	1643.3	100.00



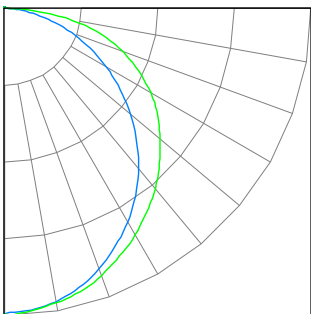
VOL24/PS50/840/HD (Typical performance @50W)

ZONAL LUMEN SUMMARY		
Zone	Lumens	%Fixture
0-30	1342.03	25.1%
0-40	2200.93	41.1%
0-60	3963.00	74.1%
0-80	5161.42	96.5%
0-90	5332.91	99.7%
60-80	1198.42	22.4%
70-80	487.49	9.1%
80-90	171.49	3.2%
0-180	5349.24	100%



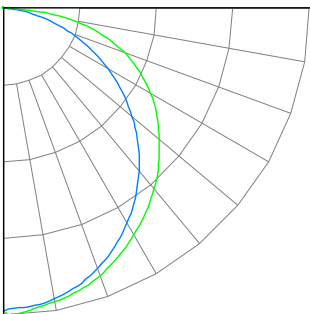
VOL22/PS40/FCCT/HD (Typical performance @40W)

ZONAL LUMEN SUMMARY		
Zone	Lumens	%Fixture
0-30	1364.48	25.6%
0-40	2231.37	41.9%
0-60	3994.32	75.0%
0-80	5160.86	96.9%
0-90	5310.28	99.7%
60-80	1166.54	21.9%
70-80	467.36	8.8%
80-90	149.42	2.8%
0-180	5324.78	100%



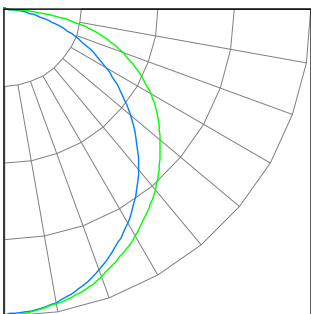
VOL24/PS50/FCCT/HD (Typical performance @50W)

ZONAL LUMEN SUMMARY		
Zone	Lumens	%Fixture
0-30	1374.86	25.1%
0-40	2255.59	41.2%
0-60	4064.23	74.2%
0-80	5292.26	96.6%
0-90	5462.18	99.7%
60-80	1228.03	22.4%
70-80	497.99	9.1%
80-90	169.92	3.1%
0-180	5477.54	100%



VOL24/PS85/840/UD (Typical performance @85W)

ZONAL LUMEN SUMMARY		
Zone	Lumens	%Fixture
0-30	3129.90	25.7%
0-40	5122.70	42.1%
0-60	9161.20	75.2%
0-80	11827.20	97.1%
0-90	12176.70	100%
60-80	2666.00	21.9%
70-80	1060.50	8.7%
80-90	349.50	2.9%
0-180	12176.70	100%



SCALING FACTORS

FIXTURE		WATTS	CCT		
			3500K	4000K	5000K
VOL22	PowerSet	40	1.00	1.00	1.02
		32	0.84	0.84	0.86
		26	0.71	0.71	0.72
	FieldCct	40	0.94	1.00	0.96
		32	0.77	0.82	0.79
		26	0.65	0.69	0.66
VOL24	PowerSet	85	0.99	1.00	0.99
		72	0.84	0.84	0.84
		60	0.73	0.73	0.73
		50	0.98	1.00	1.01
		40	0.79	0.81	0.82
		32	0.66	0.67	0.68
	FieldCct	50	0.94	1.00	0.96
		40	0.74	0.79	0.76
		32	0.62	0.66	0.63