



## VOL : VOLUMETRIC TROFFER RETROFIT

### FEATURES

- Architectural recessed LED retrofit luminaire installs in minutes utilizing existing fixture housing
- Direct/indirect illumination provides visual comfort with minimal glare
- Clean styling complements today's modern office decor
- One for one alternative LED solution to fluorescent luminaires/ fixtures/troffers
- PowerSet feature allows for multiple "set and forget" lumen steps in each fixture
- FieldCCeT feature allows for multiple "set and forget" CCT options in each fixture
- Up to 50% energy savings over fluorescent troffers
- 0-10V dimmable
- 130 lumens per watt
- Available for 1'x4', 2'x2' and 2'x4' retrofit applications

### LISTINGS

- UL Listed for dry/damp locations
- DesignLights Consortium® Premium Qualified - meets the requirements for the highest DLC qualification for efficacy and lumen maintenance

### LED CHARACTERISTICS

- Rated lifetime L90: >50,000 hours
- PowerSet: 39/32/24/19W and 49/39/34/29W options
- FieldCCeT: 3500K/4000K/5000K selectable
- CRI: >80

### ELECTRICAL

- Input voltage: 120-277V; 120-347V
- 0-10V dim-to-off driver (<5% minimum dimming level)
- 12V, 60mA DC auxiliary power
- Power Factor: >.90
- THD: <20%

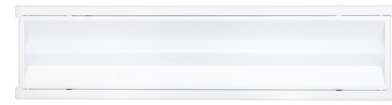
### CONSTRUCTION

- Reflector precision die-formed, powder-coated steel construction
- Diffuse polycarbonate lens provides even illumination and visual comfort
- -4°F to 104°F (-20°C to 40°C) operating temperature

### WARRANTY

- 5 year limited warranty; see eiko.com for warranty details
- Additional warranty options available; consult EiKO for details

project name	type
catalog number	
comments	voltage
approved by	date



1x4



2x2



2x4

### APPLICATIONS

- Conference rooms
- Retail
- Offices
- Hospitality
- Healthcare
- Schools
- Reception areas
- Corridors
- Foyer



### ORDERING INFORMATION

EXAMPLE: VOL22R/PS39/835/UD

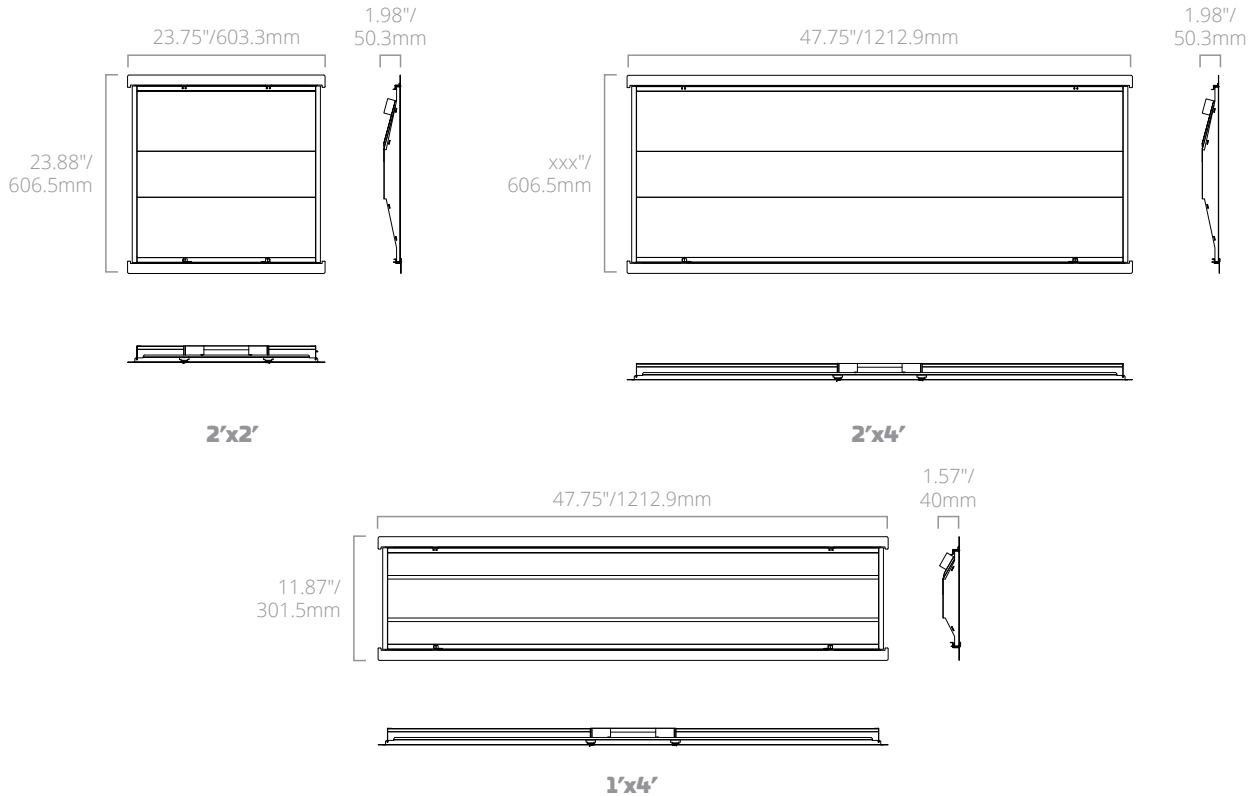
Model	Size	Package	CCT	Voltage	Dimming
<b>VOLxxR</b> : Volumetric Troffer Retrofit	<b>14</b> - 1'x4' <b>22</b> - 2'x2' <b>24</b> - 2'x4'	<b>PS39</b> - 39/32/24/19W <b>PS49</b> - 49/39/34/29W	<b>835K</b> - 80 CRI; 3500K <b>840K</b> - 80 CRI; 4000K <b>850K</b> - 80 CRI; 5000K <b>FCCT</b> - 80 CRI; 3500K/4000K/5000K CCT	<b>U</b> - 120-277V <b>H</b> - 120-347V	<b>D</b> - 0-10V Dimming

# PERFORMANCE SUMMARY

Voltage	DLC	Size	Nominal Lumens	Watts	CCT	Item #	Order Code		
120-277V	Premium	2'x2'	5,000	39/32/24/19W	3500K	VOL22R/PS39/835/UD	11052		
			4,100		4000K	VOL22R/PS39/840/UD	11053		
			3,100		5000K	VOL22R/PS39/850/UD	11054		
			2,500		3500K/4000K/5000K		VOL22R/PS39/FCCT/UD	11055	
		2'x4'	6,300	49/39/34/29W	3500K/4000K/5000K		VOL22R/PS49/FCCT/UD	11059	
			5,000		3500K	VOL24R/PS49/835/UD	11056		
			4,400		4000K	VOL24R/PS49/840/UD	11057		
			3,700		5000K	VOL24R/PS49/850/UD	11058		
120-347V	Premium	1'x4'	5,000	39/32/24/19W	3500K/4000K/5000K	VOL14R/PS39/FCCT/HD	11060		
		2'x2'	4,100			VOL22R/PS39/FCCT/HD	11061		
		2'x4'	3,100	49/39/34/29W		3500K/4000K/5000K		VOL24R/PS49/FCCT/HD	11062
			2,500						
			6,300						
			5,000						
4,400									
3,700									

NOTE: Use order code when ordering.

## DIMENSIONS\*

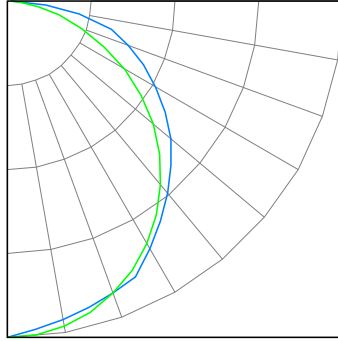


\*Verify fixture dimensions are suitable for your application

# PHOTOMETRICS

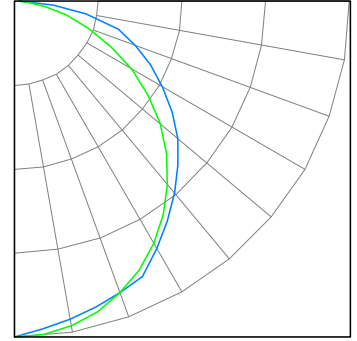
VOL22R/PS39/8xx/UD (Typical performance @39W, 4000K)

ZONAL LUMEN SUMMARY		
Zone	Lumens	%Fixture
0-30	1328.35	26.2%
0-40	2173.14	42.9%
0-60	3851.54	75.9%
0-80	4913.82	96.9%
0-90	5071.43	100%
60-80	1062.29	20.9%
70-80	422.02	8.3%
80-90	157.61	3.1%
0-180	5071.43	100%



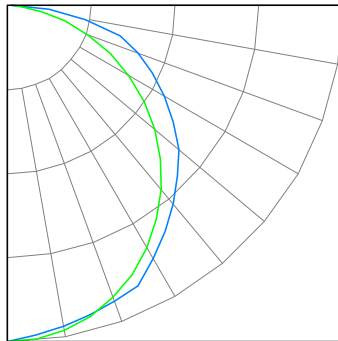
VOL22R/PS39/FCCT/xD (Typical performance @39W, 4000K)

ZONAL LUMEN SUMMARY		
Zone	Lumens	%Fixture
0-30	1328.35	26.2%
0-40	2173.14	42.9%
0-60	3851.54	75.9%
0-80	4913.82	96.9%
0-90	5071.43	100%
60-80	1062.29	20.9%
70-80	422.02	8.3%
80-90	157.61	3.1%
0-180	5071.43	100%



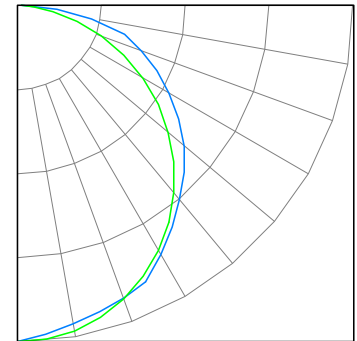
VOL24R/PS49/FCCT/xD (Typical performance @49W, 4000K)

ZONAL LUMEN SUMMARY		
Zone	Lumens	%Fixture
0-30	1676.68	25.7%
0-40	2746.32	42.1%
0-60	4895.05	75.1%
0-80	6303.3	96.7%
0-90	6519.1	100%
60-80	1408.25	21.6%
70-80	568.51	8.7%
80-90	215.8	3.3%
0-180	6519.1	100%



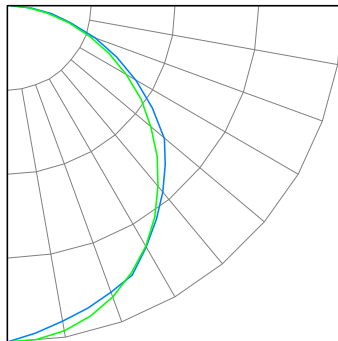
VOL24R/PS49/8xx/UD (Typical performance @49W, 4000K)

ZONAL LUMEN SUMMARY		
Zone	Lumens	%Fixture
0-30	1606.17	25.4%
0-40	2637.19	41.7%
0-60	4727.92	74.7%
0-80	6113.88	96.6%
0-90	6327.07	100%
60-80	1385.96	21.9%
70-80	561.31	8.9%
80-90	213.19	3.4%
0-180	6327.07	100%



VOL14R/PS39/FCCT/xD (Typical performance @39W, 4000K)

ZONAL LUMEN SUMMARY		
Zone	Lumens	%Fixture
0-30	1409.05	25.9%
0-40	2309.44	42.5%
0-60	4124.52	75.8%
0-80	5268.17	96.9%
0-90	5438.55	100%
60-80	1143.65	21.0%
70-80	449.18	8.3%
80-90	170.39	3.1%
0-180	5438.55	100%



## SCALING FACTORS

FIXTURE	PowerSet		FieldCCeT		
	WATTS	3500K 4000K 5000K	3500K	4000K	5000K
1x4	19	N/A	0.47	0.48	0.48
	24		0.60	0.61	0.66
	32		0.80	0.83	0.83
	39		0.97	1.00	1.00
2x2	19	0.51	0.52	0.50	0.54
	24	0.64	0.65	0.63	0.64
	32	0.84	0.84	0.84	0.85
	39	1.00	0.97	1.00	1.00
2x4	29	0.64	0.62	0.63	0.62
	34	0.73	0.71	0.73	0.71
	39	0.86	0.84	0.87	0.85
	49	1.00	0.96	1.00	1.00