



PROJECT NAME

CATALOG NO.

TYPE

DATE

NOTE

## TRANSPARENT VERTICAL FIN LENS LED TROFFER

**TSRF Series**  
Panels and Troffers

### DESCRIPTION

The TSRF architectural LED Troffer series combines the benefits of long life, controllability, and energy savings with elegant design and superior quality of light. The TSRF luminaires optimize LED optics and electronics to deliver energy savings and high performance.

### APPLICATION

Indoor general/ambient illumination. Idea for offices, schools, retail, and other architectural spaces that demand energy demand reduction and high quality light.



### SPECIFICATION FEATURES

#### Construction

Rugged construction: solid die-formed, cold-rolled steel. Interior utilizes highly reflective powder coat finish. All surfaces coated and baked post-fabrication with high gloss powder-paint. Diffuser lens provides even and consistent light while eliminating pixelation. Driver are replaceable. Housing and optics maintain damp location rating with all internal components.

#### Electrical

Luminaire utilizes long life, high efficacy LEDs and a highly efficient, reliable LED driver. 120V-277V input voltage for increased versatility. 0-10V continuous dimming comes standard. Comes equipped with quick disconnect for compliance with US code

#### Mounting

Installs recessed with T-bar grid. Drivers accessible from fixture during service and operation, no need to access via plenum.

#### Finish

Highly reflective powder coat finish. Baked white matte paint, applied after fabrication.

#### Optics

The transparent vertical fin optic deliver a comfortable mix of light to working and surrounding surfaces, creating balanced illumination throughout the environment. Occupants can realize a productive and comfortable atmosphere through enhanced light quality and distribution.

#### Certifications / Regulatory

UL/cUL listed. Damp location rated. All components used have UL approval. UL Class 2. Power supply: SCP, OTP, OVP protection, FCC Part 15 Class B, UL8750 Class 2. DLC Standard listed.

#### Warranty

7-year limited warranty. See complete warranty terms for details.

### Quick Ship Product

- TSRF-22A/835
- TSRF-22A/840
- TSRF-24A/835
- TSRF-24A/840

## ORDERING INFORMATION

Sample Number: **TSRF-24A/840**

TSRF	24	A	8	40	(Blank)	(Blank)
<b>Series</b>	<b>Form Factor</b>	<b>Lumen Package</b>	<b>CRI</b>	<b>CCT</b>	<b>Input Voltage</b>	<b>Dimming</b>
TSRF - Transparent Vertical Fin Lens LED Troffer	22 - 2'x2' 24 - 2'x4' 14 - 1'x4'	A - Adjustable *See energy data for details	8 - 82+ CRI	35 - 3500K 40 - 4000K 50 - 5000K	(Blank) - 120V-277V C - 120V-347V	(Blank) - 0-10V Continuous Dimming

### Options

#### Driver Options

CT - Cold temperature driver, -40°F-131°F (-40°C-55°C )

#### Accessories

FLK - Flange Kit  
CGA - Color Guide Accent

#### Controls

SMC - Smart Control System

#### Emergency Backup

(Lumen will maintain over the 90-minute duration)

- EM700 - 700lm
- EM1400 - 1400lm
- EM2000 - 2000lm

SUMMARY

Input Voltage	120V-277V
Input Power	See energy data for details
Power Factor	> 0.95
THD (Max.)	20%
Efficacy	> 110 LPW
Delivered Lumens	See energy data for details
Controls/ Dimming	Full Range 0-10V dimming standard
Dimming Range	0-10V Continuous (10-100%)
CRI	> 83
CCT	3500K, 4000K, 5000K
Operating Temp.	-20 ~ +55 C
Rated Life	70,000 hours

ENERGY PERFORMANCE DATA

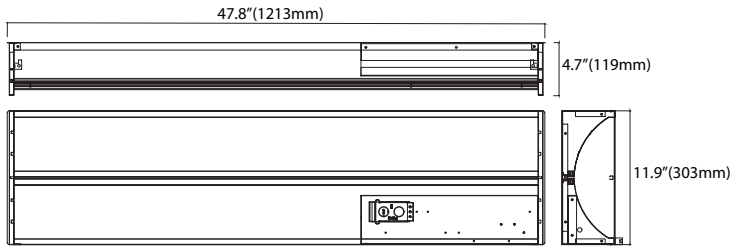
Form Factor	Part No.	Rated Wattage (W)	Tested Wattage (W)	Delivered Lumens (lm)	Efficacy (lm/W)
2'x2'	TSRF-22A/835	32/28/21	32/28/21	3520/ 3080/ 2310	110
	TSRF-22A/840				
	TSRF-22A/850				
2'x4'	TSRF-24A/835	64/50/35	64/50/35	7040/ 5500/ 3850	110
	TSRF-24A/840				
	TSRF-24A/850				
1'x4'	TSRF-14A/835	32/28/21	32/28/21	3520/ 3080/ 2310	110
	TSRF-14A/840				
	TSRF-14A/850				

PHYSICAL PARAMETERS

DIMENSION

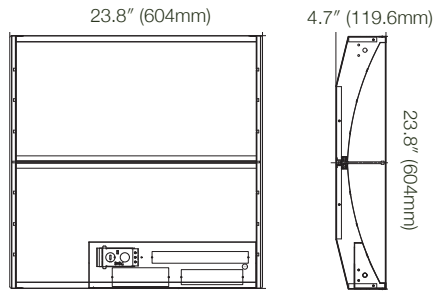
TSRF-14

14.33 Lbs.



TSRF-22

11.29 Lbs.



TSRF-24

18.01 Lbs.

