

WSD SERIES - LED Tunable Troffer

The WSD SERIES - LED Tunable Troffer, Up to 130 lm/W, Select 3X-CCT (3500K, 4000K, 5000K) and 3X-Wattages, 0-10V Dimmable, Premium Indoor Luminaire, Smart Sensor Ready.

Project:
Date:
Catalog No:
Prepared By:

2x2 and 2x4 Models



Premium Features

Lumen Output	2560 to 5850 lumens
Efficacy	Up to 130 lm/W
Input Voltage	120-277V
Dimmable	0-10V Continuous
CCT	Select (3500K, 4000K, 5000K)
Size	2x2, 2x4
Warranty	5 Years

Applications

Premium indoor luminaire suitable for general indoor commercial spaces, lobbies, offices, meeting rooms, schools, retail stores, restrooms, hallways, and workstations.

Construction

Manufactured for durability using aluminum sheet housing with satin coating to resist corrosion, discoloration, and scratching. Center-Basket Design. For use in Dry Locations and Damp Locations.

Electrical

Input voltage 120-277V models with 0-10V Continuous Dimming. Includes 3X-CCT and 3X-Wattage Tuning Switches. Operating temperatures -4°F to 122°F (-20°C to 50°C).

Mounting

Recessed T-Bar Ceiling Mount.

Optics

Anti-UV Frosted Polycarbonate Lens.

Controls

Fixture integrated Smart Sensor for Daylight and Bi-Level Motion Dimming available.

Emergency

90 Minute Emergency Backup Battery LED Driver available.

Listings

UL certified to meet US and Canadian standards. FCC, and RoHS compliant. Listed to qualify for energy-efficient LED lighting rebates.

Warranty

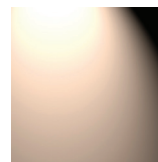
5 yr /50K hrs. View at: <https://falkorindustry.com/warranty/>.

Correlated Color Temperatures (CCT)

3500K

4000K

5000K



Specifications

Energy Data

Input Voltage: 120-277V

Input Frequency: 50/60 Hz

Wattage: Select (20W, 25W, 30W), (34W, 38W, 45W)

Power Factor: >0.9

Total Harmonic Distortion (THD): <20%

Operating Temperature: -4°F to 122°F (-20°C to 50°C)

Lighting Data

Lumens: Select (2560, 3200, 3840), (4420, 4940, 5850)

Lumens Per Watt: Up to 130 lm/W

Color Correlated Temperature (CCT): Select (3500K, 4000K, 5000K)

Dimmable: 0-10V

Color Rendering Index (CRI): >80

L70: 75000 hours

Ordering Information

Model	Size	Wattage	Voltage	Current	Lumens	Efficacy	CCT	Dimming	Color	Dimensions	Weight
22TRF202530W27-3545K	2x2	(20W 25W 30W)	120-277V	0.18A@120V, 0.08A@277V 0.23A@120V, 0.10A@277V 0.28A@120V, 0.12A@277V	2560 3200 3840	128 lm/W	(3500K, 4000K, 5000K)	0-10V	White	23.80"L x 23.80"W x 2.80"H	7.71 lbs
24TRF343845W27-3545K	2x4	(34W 38W 45W)	120-277V	0.31A@120V, 0.14A@277V 0.35A@120V, 0.15A@277V 0.41A@120V, 0.18A@277V	4420 4940 5850	130 lm/W	(3500K, 4000K, 5000K)	0-10V	White	47.80"L x 23.80"W x 2.80"H	12.76 lbs

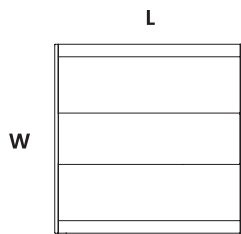
Sensor		Emergency
SMART	Smart Sensor for Daylight and Bi-Level Motion Dimming	EM 90 Minute Emergency Backup Battery LED Driver
(Blank)	None	(Blank) None

Shipping Information

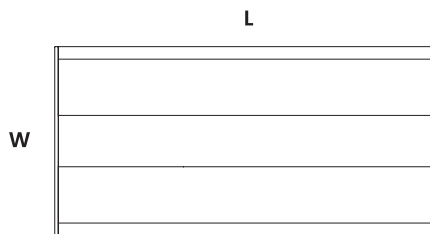
Model	Unit Weight	Shipping Dimensions	Qty /Box
2x2	7.71 lbs	24.29"L x 24.02"W x 4.84"D	2
2x4	12.76 lbs	48.31"L x 24.02"W x 4.84"D	2

Physical Dimensions

2x2 Models 23.80"L x 23.80"W x 2.80"H



2x4 Models 47.80"L x 23.80"W x 2.80"H



Photometric Characteristics

