



Certified LED Lights®

Product Data Sheet
2x2 and 2x4 Troffer Panels



Product Overview

These 2' x 2' and 2' x 4' LED Center Basket Volumetric Troffers are designed as a direct replacement for fluorescent fixtures installed in ACT grid or gyp. ceilings. These fixtures are kelvin selectable 30K, 35K, 4K, 5K, 6K and wattage selectable. It is the perfect choice for both new construction and retrofits. This high-efficiency fixture provides long-life and uniform illumination as well as standard 0-10V dimming capability.

This Center Basket Volumetric Troffer series uses dip-switches to switch between five wattage and five CCT ranges making it ideal for offices, schools, hospitals, and other indoor spaces.

The ultra lightweight aluminum frame and integrated driver provide seamless light distribution that is superior to edge-lit panels, while providing higher structural integrity. This product is also available with a factory installed emergency backup driver.

Main Features

- * ETL listed
- * CCT: 5 color temperature selectable in the field
- * Wattage: 5 adjustable power selectable in the field
- * DLC 5.1 premium listed
- * Damp location rated
- * FCC Part 15, class B
- * 135 to 166 lumens per watt
- * Long-life LEDs provide 50,000 hours of operation
- * Universal 100-277 AC voltage (50-60Hz) is standard
- * 0-10 V dimming capability is standard
- * Strengthened steel frame and steel backboard
- * Standard earthquake clips provide secure installation
- * Standard recessed mounting in ACT ceilings
- * Battery backup option available

Applications



Schools



Offices



Commercial
Buildings



Healthcare

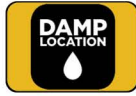


Product Warranty

Highlights and Certifications



ETL Listed



Damp Location



DLC 5.1 Premium Listed



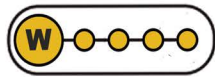
Dimming: 0-10V



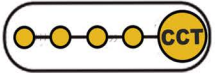
FCC Part 15, class B

Key Specifications

- * CCT: color temperature selectable 3K, 3.5K, 4K, 5K, 6K
- * Adjustable power: 20, 25, 30, 35, 40W for 2x2 panel
- * Adjustable power: 25, 30, 40, 45, 50W for 2x4 panel
- * LED chips 2835, IP protected
- * Operating temperatures from -4°F to 120°F
- * Power factor > 0.90
- * CRI > 80
- * Viewing angle: 120 degrees
- * Easy installation in new construction or retrofit



Field selectable wattage 5-way dip switch:
20, 25, 30, 35, 40W for the 2x2 panel
25, 30, 40, 45, 50W for the 2x4 panel



Field selectable CCT 5-way dip switch: 3K,
3.5K, 4K 5K 6K for both panels

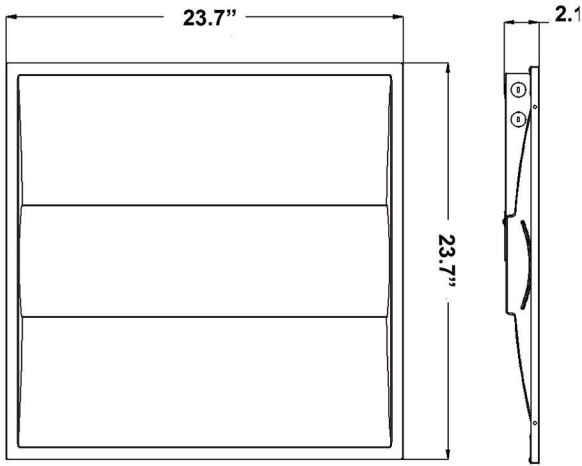
Performance

2x2 20 W						2x2 25 W						2x2 30 W					
Color	3000K	3500K	4000K	5000K	6000K	Color	3000K	3500K	4000K	5000K	6000K	Color	3000K	3500K	4000K	5000K	6000K
Lumens	2,920	3,106	3,237	3,259	3,100	Lumens	3,550	3,777	3,936	3,962	3,769	Lumens	4,170	4,436	4,623	4,654	4,427
Lumens/Watt	146	155	162	163	155	Lumens/Watt	142	151	157	158	151	Lumens/Watt	139	148	154	155	148
2x2 35 W						2x2 40 W											
Color	3000K	3500K	4000K	5000K	6000K	Color	3000K	3500K	4000K	5000K	6000K						
Lumens	4,795	5,101	5,316	5,352	5,090	Lumens	5,400	5,745	5,987	6,027	5,732						
Lumens / Watt	137	146	152	153	145	Lumens / Watt	135	144	150	151	143						
2x4 25 W						2x4 30 W						2x4 40 W					
Color	3000K	3500K	4000K	5000K	6000K	Color	3000K	3500K	4000K	5000K	6000K	Color	3000K	3500K	4000K	5000K	6000K
Lumens	3,725	3,963	4,130	4,157	3,954	Lumens	4,350	4,628	4,823	4,855	4,618	Lumens	5,640	6,000	6,253	6,295	5,967
Lumens/Watt	149	159	165	166	158	Lumens/Watt	145	154	161	162	154	Lumens/Watt	141	150	156	157	149
2x4 45 W						2x4 50 W											
Color	3000K	3500K	4000K	5000K	6000K	Color	3000K	3500K	4000K	5000K	6000K						
Lumens	6,165	6,559	6,835	6,881	6,545	Lumens	6,750	7,181	7,483	7,533	7,165						
Lumens/Watt	137	146	152	153	145	Lumens/Watt	135	144	150	151	143						

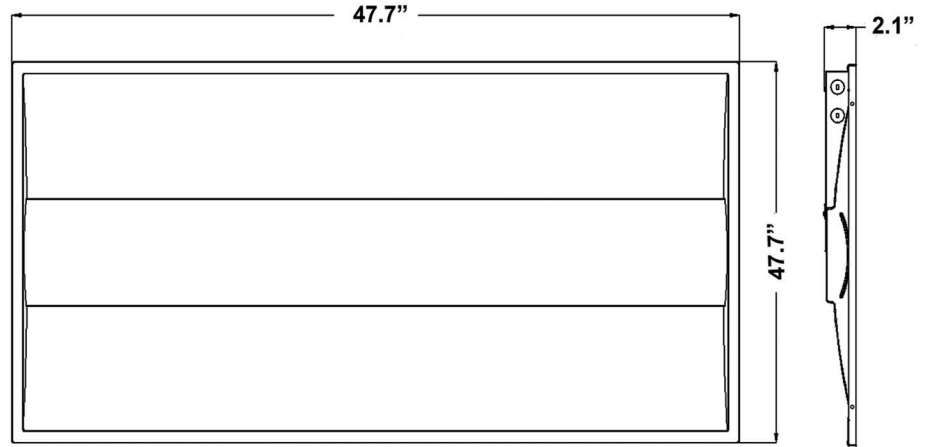
Performance data is based on a test at 120V

Dimensions

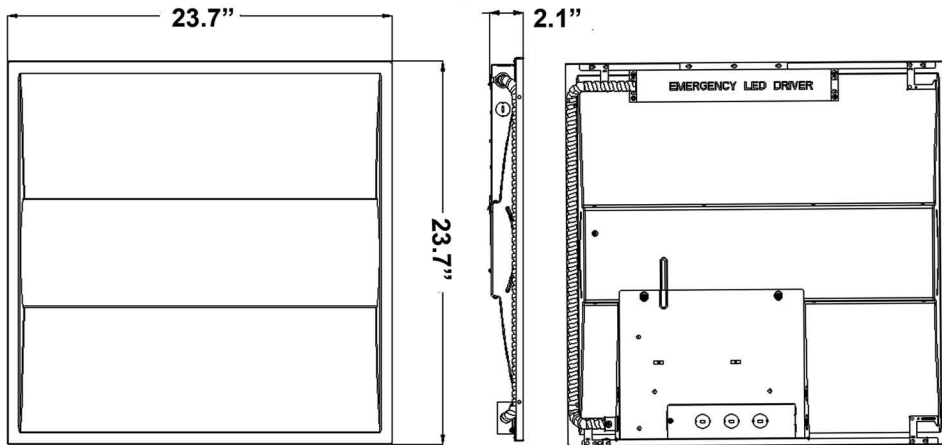
2 x 2 panel without EM driver



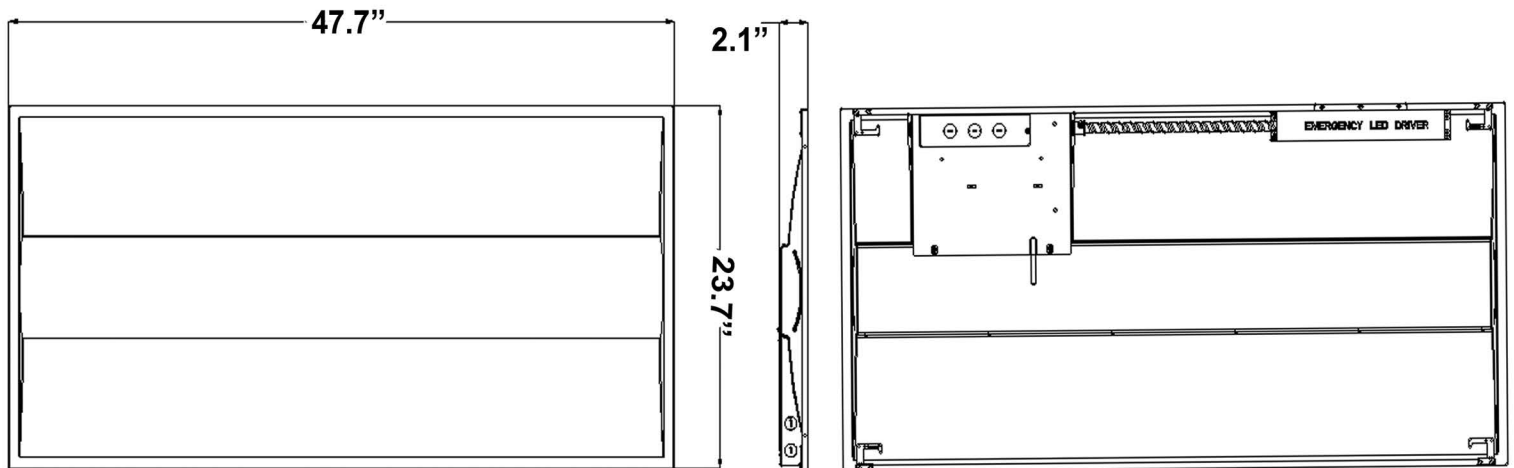
2 x 4 panel without EM driver



2 x 2 panel with factory installed EM driver



2 x 4 panel with factory installed EM driver





Ordering Guide

PART #	LUMENS	WATTAGE SELECTABLE	CCT TUNABLE
22TRF-40S5-27-TCP	2,920 – 6,027	20,25,30,35,40w	3K, 3.5K, 4K, 5K, 6K
24TRF-50S5-27-TCP	3,725 – 7,533	25,30,40,45,50w	3K, 3.5K, 4K, 5K, 6K
22TRF-40S5-27-TCP-EM	2,920 – 6,027	20,25,30,35,40w	3K, 3.5K, 4K, 5K, 6K
24TRF-50S5-27-TCP-EM	3,725 – 7,533	25,30,40,45,50w	3K, 3.5K, 4K, 5K, 6K

Notes:

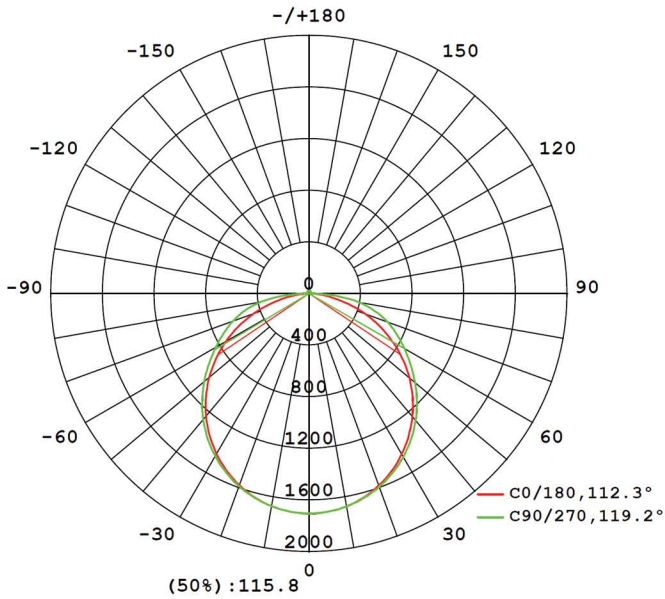
- 22TRF means 2x2 Center Basket
- 24TRF means 2x4 Center Basket
- 27 means panels are 120-277V
- 40W means wattage selectable from 20 to 40W
- 50W means wattage selectable from 25 to 50W
- TCP means the products is 5 CCT selectable
- EM at the end of the part number means the fixture comes with a factory installed HM08D emergency driver

Accessories Ordering Guide

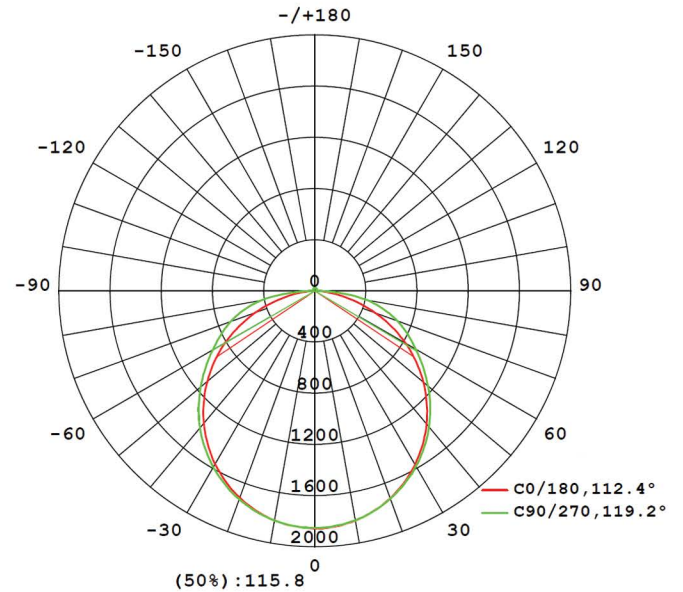
CATEGORY	PART #	DESCRIPTION	NOTE	PICTURE
Surface Mounting Kit	SMKT-22	Surface Mount Kit for 2x2	Order separately	
Surface Mounting Kit	SMKT-24	Surface mount kit for 2x4	Order separately	
Recessed Frame Kit	RFKT-22	Recessed Frame Kit for 2x2	Order separately	
Recessed Frame Kit	RFKT-24	Recessed Frame kit for 2x4	Order separately	

Photometric Data

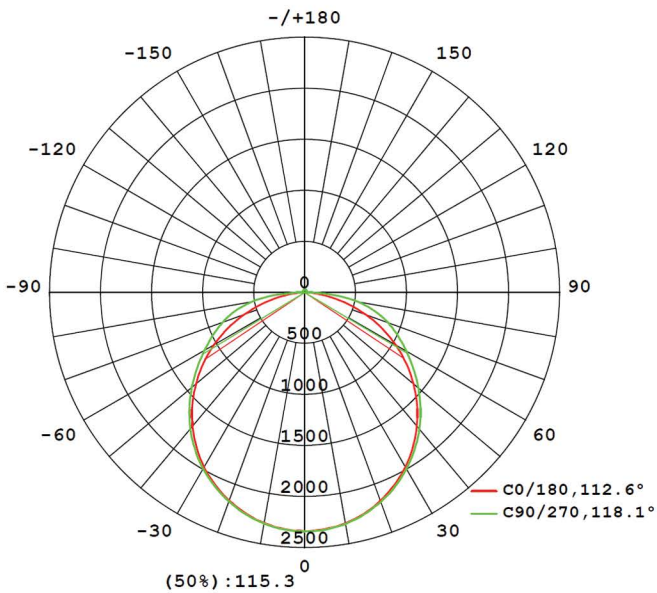
2x2 - 40W - 120 Volts - 3000K
Efficiency : 134.11 Lumens/Watt



2x2 - 40W - 120 Volts - 5000K
Efficiency : 149.52 Lumens/Watt



2x4 - 50W - 120 Volts - 3500K
Efficiency : 151.83 Lumens/Watt



2x4 - 50W - 120 Volts - 6000K
Efficiency : 146.87 Lumens/Watt

