

FTRCL**ARCHITECTURAL
LED TROFFER**

Fidelux FTRCL Architectural LED Troffer series luminaires offer a modern form designed for use in commercial, retail, healthcare, and institutional spaces. A sleek, uniquely designed polycarbonate center lens delivers a unified spread without pixelation. Driven by performance and energy savings, the FTRCL produces up to 135 lm/W. CCT selectable settings from 30K to 50K via easily accessible external switch located on backside of housing enables quick setup and integration.

Multiple recessed sizes including 1x4, 2x2, and 2x4 types offered along with optional hardware for surface mount applications.

- Modern, architectural form
- High transmission frosted polycarbonate lens
- Energy efficient performance up to 135 lm/W

HOUSING Post-painted powder coated steel.

LENS Zero pixelation frosted polycarbonate lens.

LEDS Beam spread 2x2 Units: 112°; 2x4 Units: 115°. CRI >80. Operating life >50,000 hours (L70). Selectable CCT.

ELECTRICAL 120-277V, 50/60 Hz, power factor ≥ 0.9 . THD <20%. Drive current 2x2 units: 16W: 0.128A; 20W: 0.166A; 24W 0.194A; 27W 0.231A. 2x4 units: 26W: 0.213A; 34W: 0.293A; 40W: 0.328A. 0-10V Dimming standard.

EMERGENCY POWER Optional internal EM Backup battery packs available with a minimum 90 min duration at 1875lm.

CONTROLS 0-10V dimmable standard.

- Post-painted powder-coated steel housing
- >50,000 hour operating life (L70)
- 0-10V Dimming standard

TEMPERATURE The FTRCL series is designed to operate in temperatures of -14°F to 122°F (-10°C to 50°C).

ACCESS / WIRING External wiring with connectors included. Externally accessible CCT selection switch.

MOUNTING Recessed mounting for standard T grid. Factory-installed earthquake clips standard.

WEIGHT 1x4 3.4 lbs; 2x2: 6.54 lbs.; 2x4: 10.93 lbs.

LISTINGS DLC Premium. ETL. IC-rated for insulation contact.

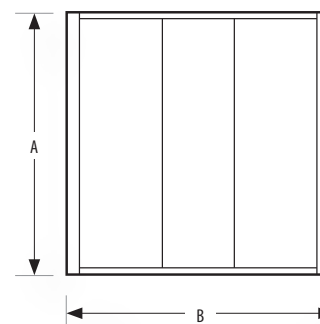
WARRANTY 5 year limited warranty.

Project _____

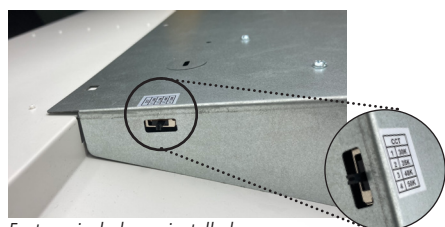
Catalog Number _____

Type _____

Date _____

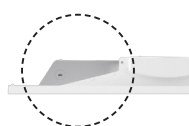


Size	A	B
14	47.75"	11.9"
22	23.75"	23.75"
24	23.75"	47.75"



Features include pre-installed earthquake clips and selectable CCT

Easily accessible external CCT Switch

EM15 INTERNAL EMERGENCY POWER MODULE

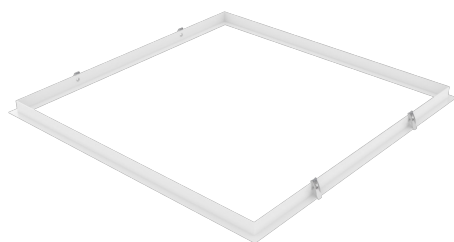
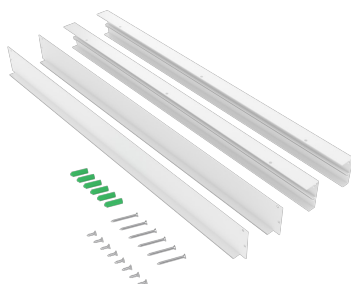
EM module installs into wiring compartment and adds no additional height, width, or depth



Charging Indicator / Test Switch with 2' lead and mounting plate



EM15 TSI features integrated factory-installed Charging Indicator / Test Switch on frame edge

DWK DRYWALL MOUNTING KIT FACTORY ASSEMBLED**SMK SURFACE MOUNTING KIT** REQUIRES ASSEMBLY

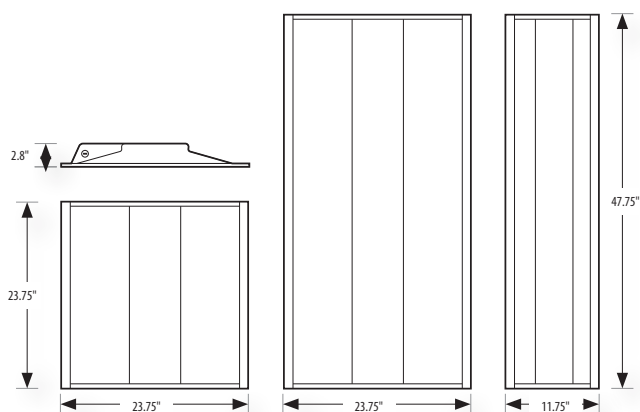
Intertek

**Ordering Guide**

Example: FTRCL22-27W-40K-UNV-D-EM15

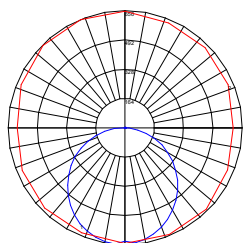
Series	Size	Wattage			CCT	Voltage	Emergency	Options ORDER SEPARATELY
FTRCL	14 1x4	1x4	2x2	2x4	30K 3000K	UNV-D (120/277V 0-10VDC)	EM15 EM15 TSI 15W Self Diagnostic Emergency Battery Pack, 90 minute duration, full charge time 24 hrs., Test Switch factory installed	DWK (14, 22, 24) Drywall Kit SMK (14, 22, 24) Surface Mounting Kit
	22 2x2	16W	16W	26W	35K 3000K			
	24 2x4	20W	20W	34W	40K 4000K			
		24W	24W	40W	50K 5000K			
		27W	27W					

Dimensions



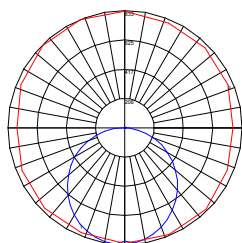
Photometrics

FTRCL-14-16W*



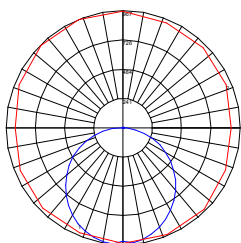
Max Candela = 656
Horizontal Angle = 112.5
Vertical Angle = 5
**Calculated*

FTRCL-14-20W*



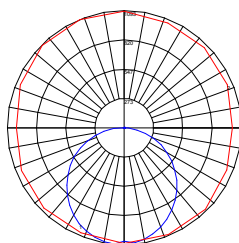
Max Candela = 833
Horizontal Angle = 112.5
Vertical Angle = 5
**Calculated*

FTRCL-14-24W*



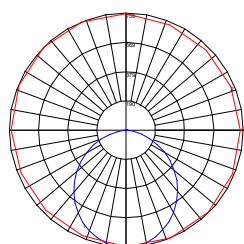
Max Candela = 967
Horizontal Angle = 112.5
Vertical Angle = 5
**Calculated*

FTRCL-14-27W



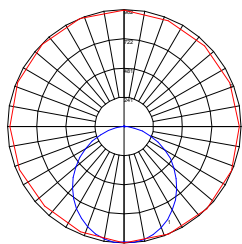
Max Candela = 1093
Horizontal Angle = 112.5
Vertical Angle = 5

FTRCL22-16W



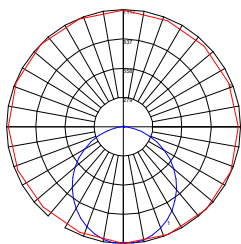
Max Candela = 759
Horizontal Angle = 270
Vertical Angle = 5

FTRCL22-20W



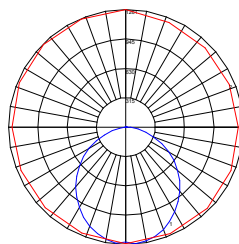
Max Candela = 962
Horizontal Angle = 292.5
Vertical Angle = 5

FTRCL22-24W



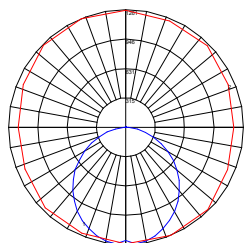
Max Candela = 1117
Horizontal Angle = 292.5
Vertical Angle = 5

FTRCL22-27W



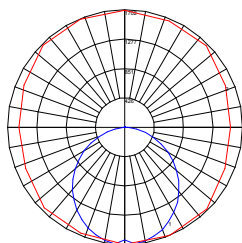
Max Candela = 1261
Horizontal Angle = 90
Vertical Angle = 5

FTRCL24-26W



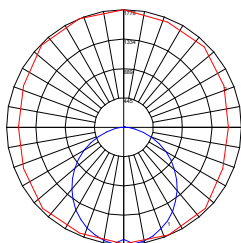
Max Candela = 1261
Horizontal Angle = 112.5
Vertical Angle = 5

FTRCL24-34W



Max Candela = 1702
Horizontal Angle = 292.5
Vertical Angle = 5

FTRCL24-40W



Max Candela = 1778
Horizontal Angle = 90
Vertical Angle = 5

FTRCL Series Specification Summary

	FTRCL14				FTRCL22				FTRCL24		
Qualifications	DLC Premium 5.1 - Luminaires for Ambient Lighting of Interior Commercial Spaces										
QPL Code	S-YPAE50	S-ULFBGS	S-LRBUYN	S-UA8P96	S-D824FB	S-PEVRA5	S-M6ZBIC	S-F6RMO	S-RYZ4VK	S-JTVNKA	S-01D45G
Model	16W	20W	24W	27W	16W	20W	24W	27W	26W	34W	40W
Input Wattage @3000K	16.4W	20.8W	24.5W	27.3W	15.7W	20.4W	24.3W	27.5W	26.2W	34.0W	39.0W
Efficacy Range lm/W	125.4-133.2	125.6-134.9	124.9-135.4	125.6-134.9	128.6-130.1	128.1-130.4	125.5-132.9	122.9-129.4	124.1-127.1	121.7-124.2	122.5-126.5
Lumens @ 3000K	2141	2657	3063	3360	2047	2615	3058	3401	3341	4230	4787
Lumens @ 3500K	2100	2729	3011	3395	2100	2729	3011	3395	3283	3961	4988
Lumens @ 4000K	2117	2746	3077	3412	2117	2746	3077	3412	3302	3982	5029
Lumens @ 5000K	2134	2756	3114	3406	2134	2756	3114	3406	3318	3990	5056
CRI	>80										
THD @ 277VAC	<=20%										
Color Temperatures	3000K / 3500K / 4000K / 5000K										
Dimming	0-10V										
Input Voltage Options	100-277VAC										
Power Factor	>=.9										
Beam Spread	2x2 Units 112°; 2x4 Units 115°										
L70 Lifespan (TM21)	>50,000 hours										
Ambient Working Temp	14°F to 122°F (-10°C to 50°C)										
Max Dimensions (in)	47.75"D x 11.9"W x 2.8"H				23.75"D x 23.75"W x 2.8"H				23.75"D x 47.75"W x 2.8"H		
Total Weight	3.4 lbs				6.54 lbs				10.93 lbs		
Limited Warranty	5 Yrs.										

Values are nominal