ECO-T 2X4 LED RECESSED TROFFER
MLRT24D

maxLED by MaxLite

Combining high efficiency and a high quality light in a performance-and value-optimized package, MaxLite's ECO-T LED Recessed Troffer represents the inflection point to making LEDs a cost-effective replacement for fluorescent troffers in lay-in or T-grid ceilings for the commercial and institutional market, including schools and municipalities.

ECO-T offers a classic recessed housing with LED strips that resemble fluorescent tubes when lit. While fluorescent fixtures can buzz and flicker and contribute to headache and eye fatigue, ECO-T is constructed with LM-80-rated LEDs and a prismatic clear diffuser for higher lumens, making it the silent and flicker-free solution for offices, lobbies, hallways and conference rooms in schools, municipalities, airports, healthcare facilities, showrooms, corporate campuses and retailers trying to stretch renovation and construction budgets. With standard 0-10v dimming provided, ECO-T maintains 90 percent of the light in a 60-degree beam angle to project light downward towards surfaces.

PROJECT NAME	
CATALOG NUMBER	
NOTES	
FIXTURE TYPE	ROOM SCHEDULE

ASSEMBLED IN THE U.S. AVAILABLE

FEATURES:

- Lumens: 3500K CCT: 4265
             4100K CCT: 4395
             5000K CCT: 4530

- 50,000 hour life at L70 standards
- 10.0 lbs.
- 0-10V dimming standard
- Five year limited warranty
- CRI: 80
- Fits standard T-bar grid (drop ceilings)
- Also available in 2'x2'
- Prismatic diffuser is standard
- Room side access door to service and upgrade LED strips

CONSTRUCTION:

- The housing and back panel are sheet steel, and provide heat sink and thermal control capabilities
- Standard prismatic lens allows high lumen output
- Profile including the control box is 3.3 inches
- Modular construction for easy replacement

CONTROL:

- Integral Class2 ETL-listed LED driver
- Up to 20 panels can be linked to each master panel

Luminaire Ordering Information:

Watts	Order Number	Model Number	Lumens	CRI	Lamp Life (Hrs.)	Dimensions (L"xW"xH")	CCT
45	72893	MLRT24D4535	4265	80	50,000	47.7" x 23.8" x 3.3"	3500
45	72892	MLRT24D4541	4395	80	50,000	47.7" x 23.8" x 3.3"	4100
45	72891	MLRT24D4550	4530	80	50,000	47.7" x 23.8" x 3.3"	5000

MAX12159-2x4

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Installation instructions available online: Specifications are subject to change without notice

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SPECIFICATIONS:

Item	Specification	MLRT24D4535	MLRT24D4541	MLRT24D4550
General Performance	Spacing Criteria	Available upon request		
	Color Temperature	3500K	4100K	5000K
	Lumens	4265	4395	4530
	Efficacy	99 lm/w	104 lm/w	106 lm/w
	Color Consistency	Proprietary binning for uniform color		
	Lumen Maintenance (L70)	50,000 hours		
Electrical	Power Factor	Over 90%		
	Input Voltage	120V-277V 50/60 Hz		
	Power Consumption	43 Watts		
Control	Dimming	Standard 0-10V dimming 10%-100%		
Physical	Dimensions (+/-1/16")	47.7" x 23.8" x 3.3"		
	Weight	10.0 lbs.		
	Housing	Steel		
	Optics	Standard prismatic diffuser		
	Mounting	Fits standard grid for drop ceilings		
	Operating Temperature	-4˚F to 104˚F		
	Humidity	20% - 85% RH, non condensing		
Certification	Certification	ETL for cUL Class 2, FCC Part 15 LM-79, Class B, LM-80		
	Material Usage	RoHS compliant; no mercury		
	Environment	Indoor use		
	Warranty	Five year		

MASTER / SATELLITE DEFINITION:
Each panel can be wired a Master/Satellite Panel. During mounting, one fixture in the room should be wired to Master, and the others in the room should be wired as Satellite, with a low voltage power cord.

BUILDING AUTOMATION COMPATIBLE:
Multiple panels can also be controlled from a single source. The panels can be linked to a building automation system. Contact your MaxLite representative for inquiries involving dimming control methods.

Recommended Dimming Controls	
Lutron	NFTV0-10
Leviton	IP710 DL

DIMENSIONS:

47.7"

23.8"

Reveal Dimensions:
23" x 47"

3.3"

47"

47.7"

Lighting layouts and spacing criteria available upon request

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