# ECO-T
## MLRT22D
# 2X2 LED RECESSED TROFFER

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

BUILDINGS MONEY-SAVING PRODUCTS 2013

## FEATURES:

- Lumens:  3500K CCT: 3597
  4100K CCT: 3421
  5000K CCT: 3768

- 50,000 hour life at L70 standards
- 9 lbs.
- 0-10V dimming standard
- Five year limited warranty
- CRI: 85
- Fits standard T-bar grid (drop ceilings)
- Also available in 2'x4'
- 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

| Order Number | Model Number | Description |
|---|---|---|
| 71774 | RT22TWD | ECO-T 2x2 Translucent White Diffuser |

**Luminaire Ordering Information:**

| Watts | Order Number | Model Number | Lumens | CRI | Lamp Life (Hrs.) | Dimensions (L"xW"xH") | CCT |
|---|---|---|---|---|---|---|---|
| 45 | 71500 | MLRT22D4535 | 3597 | 85 | 50,000 | 23.75" x 23.75" x 3.3" | 3500 |
| 45 | 71482 | MLRT22D4541 | 3421 | 85 | 50,000 | 23.75" x 23.75" x 3.3" | 4100 |
| 45 | 71498 | MLRT22D4550 | 3768 | 84 | 50,000 | 23.75" x 23.75" x 3.3" | 5000 |

*These products have been submitted for DLC qualification; please check our website for their updated DLC status on 1/31.

MAX12158

SUPPORTS T24 COMPLIANCE

ETL LISTED   FC   MaxLite

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## SPECIFICATIONS:

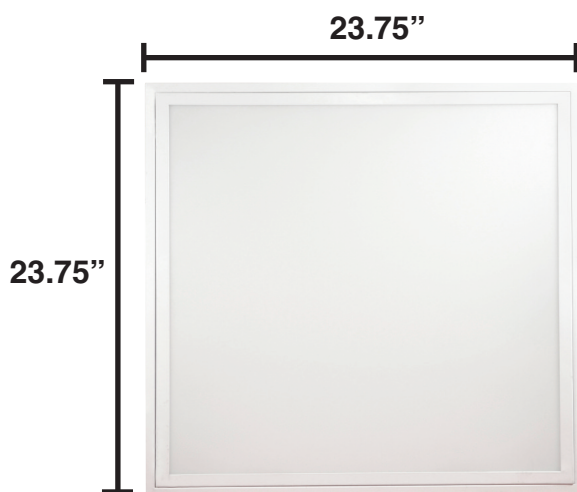| Item | | Specification | MLRT22D4535 | MLRT22D4541 | MLRT22D4550 |
|------|--|---------------|-------------|-------------|-------------|
| **General Performance** | | Spacing Criteria | Available upon request | | |
| | | Color Temperature | 3500K | 4100K | 5000K |
| | | Lumens | 3597 | 3421 | 3768 |
| | | Efficacy | 79 lm/w | 78.8 lm/w | 85 lm/w |
| | | Color Consistency | Proprietary binning for uniform color | | |
| | | Lumen Maintenance (L70) | 50,000 hours | | |
| **Electrical** | | Power Factor | Over 98% | | |
| | | Input Voltage | 120V-277V 50/60 Hz | | |
| | | Power Consumption | 45 Watts | | |
| **Control** | | Dimming | 0-10V Dimming Standard | | |
| **Physical** | | Dimensions (+/-1/16") | 23.75" x 23.75" x 3.3" | | |
| | | Weight | 9 lbs. | | |
| | | Housing | Sheet steel | | |
| | | Optics | Std. prismatic diffuser | | |
| | | Mounting | Fits standard grid for drop ceilings | | |
| | | Operating Temperature | -20˚F to 130˚F | | |
| | | Humidity | 20% - 85% RH, non condensing | | |
| **Certification** | | Certification | ETL, cETL, FCC | | |
| | | Material Usage | RoHS compliant; no mercury | | |
| | | Environment | Indoor use | | |

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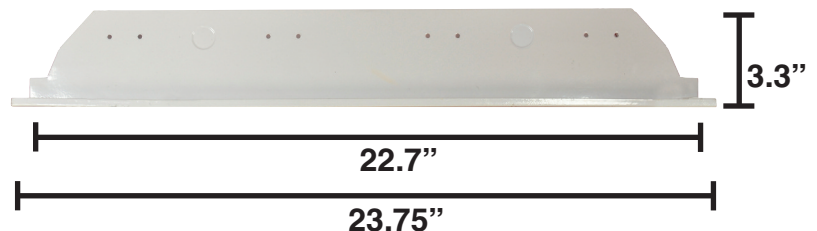
## BUILDING AUTOMATION COMPATIBLE:
Multiple panels can also be controlled from a single source. The panels can be linked to a building automation system. Contact your MaxLite representative for inquiries involving dimming control methods.

| Recommended Dimming Controls | |
|------------------------------|--|
| Lutron | NFTV0-10 |
| Leviton | IP710 DL |

## DIMENSIONS:



23.75"
23.75"

Reveal Dimensions:
22.7" x 22.7"

3.3"
22.7"
23.75"

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**Lighting layouts and spacing criteria available upon request**
**Installation instructions available online: Specifications are subject to change without notice**