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| Project Name: |  |
| Application:  |  |
| Date:         |  |

## TROFFER DOOR RETROFIT (TDR)

Linmore LED Labs Troffer Door Retrofit (TDR) is the ultimate and complete upgrade to troffer lighting. The TDR is both an aesthetic improvement clearly modernizing troffer lighting, and a serious energy play offering ultra-energy savings. The light engine of the TDR is Linmore's patent-pending URS Light Bar System combined with an external, dimmable driver. The amount of light, without glare, and the consistent distribution of light per watt of energy consumed is unmatched by any other troffer retrofit system. When the objective is to slash the energy costs of troffer lighting while upgrading the appearance, the Linmore TDR is the clear choice.



### HIGHLIGHTS

- Efficacy up to 143 Lumens/Watt Delivered
- 0-10 Volt Dimming, External Driver
- Aluminum Heat Sink/Extrusion
- Integral Volumetric 5" Lens
- 180 Degree Light Distribution
- Warranty: 14 Years Light Bar / 10 Years Driver
- High Reflectance Coating
- Hinges & Latches from Both Sides
- Modernized Aesthetic
- Rapid Installation
- Fits Most Existing T8 & T12 Troffers-2x4, 2x2, 1x4
- Custom Sizing Available

### APPLICATIONS

- For Low and High Bay Installations



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## EFFICACY

- Only top tier performance diodes for ultra-high Lumens/Watt
- Lowest Watts per Foot Candles Available

## THERMAL DISSIPATION

- The heat sink extrusion is made of 6063 T5 Aluminum with substantial fins & surface area for superior heat dissipation
- Patent pending Air Flow Cavity under LED PCB allows dissipated heat to leave the URS area
- Interior PCB Board is made of aluminum core and mechanically bonded to the aluminum extrusion heat sink

## OPTICS

- Integral Volumetric Lens transmits 91% of generated lumens (can be omitted to expose URS Light Bar)
- Suitable for most food processing applications
- The beam angle is 180 degrees for a wide distribution of light
- Glass Free

## SPECIFICATIONS

|   |  |
|---|--|
| Suitability                             | Most Troffers-2x4, 2x2, 1x4            |
| Warranty                                | 14 Years Light Bar / 10 Years Driver   |
| Expected Life                           | > 102,000 L90                          |
| Driver                                  | External, 0-10 Volt Dimmable           |
| System Input Wattage (driver dependent) | 18-44 Watts                            |
| Efficacy (3500K)                        | 143 Lumens/Watt (+/- 10%)              |
| Voltage                                 | 100-277 Volts AC                       |
| Beam Angle                              | 180                                    |
| Integral Volumetric Diffuser            | 5" Lens Frosted, 91% Transmission Rate |
| Color Rendering Index (CRI)             | 81                                     |
| Color Temperature                       | 3500K, 4100K, or 5000K                 |
| Extrusion Material                      | 6063 T5 Aluminum                       |
| Operating Temperature                   | -40F - 125F                            |
| Power Factor                            | 0.99                                   |
| Total Harmonic Distortion (THD)         | < 9% (277 Volt)                        |
| Certifications                          | UL, DLC Premium, Lighting Facts, RoHS  |

## ORDERING INFORMATION: TROFFER DOOR RETROFIT (TDR)

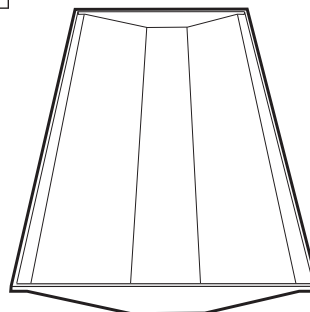
| Product Series    | Size | Color Temp Options | System Input Power | Lumens/System | Options   |
|-------------------|------|--------------------|--------------------|---------------|---|
| LL-____-____-K-__ |      |                    |                    |               |   |
|                   | 1x4  | 3500K              | 18                 | 2455          | ODIM<br>Outboard Dimmer Switch                          |
|                   | 2x2  | 4100K              | 22                 | 2856          | SDIM<br>Step Dim Driver For A-B Switching<br>50% - 100% |
|                   | 2x4  | 5000K              | 22                 | 3183          | DLEN<br>Delete Lens                                     |
|                   |      |                    | 26                 | 3680          |   |
|                   |      |                    | 36                 | 4878          |   |
|                   |      |                    | 44                 | 5993          |   |

EXAMPLE:  
LL-TDR-24-50K-44

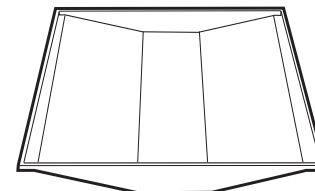
All Linmore products are available with wireless controls, compatible with

**EASYFIT**  
by EnOcean

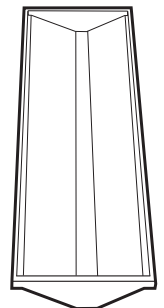
### Dimensions



22 1/4" x 45 7/8" x 2 1/2"



22 1/4" x 21 7/8" x 2 1/2"



10 1/4" X 45 7/8" x 2 1/2"

## INSTALLATION NOTES

- Installation Brackets and Trim Kit included
- Driver separate for installation inside troffer
- Troffer Door ships assembled with URS Light Bar and 5" lens

\*2x2' available in 18, 22, and 26 Watts only