



## 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 a 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 Driver
- Aluminum Heat Sink/Extrusion
- Integral Volumetric 5" Lens
- 180 Degree Light Distribution
- Warranty: 20 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

- Low High Bay Installations

# TROFFER DOOR RETROFIT (TDR)

## 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
- Patented 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

## Lens:

- 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	20 Years Light Bar / 10 Years Driver
Expected Life	> 102,000 Hours
Driver	0-10 Volt Dimmable
System Input Wattages (driver dependant)	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	DLC Premium*, UL, RoHS, cUL, FCC CFR 47 Part 15B
Design Lights Consortium	Yes - Premium

## Ordering Information

Model	Size	Kelvin	Wattage	Options
LL-TDR-	1x4	3500K (35K)	18	ODIM Outboard Dimmer Switch
	2x2	4100K (41K)	22	SDIM Step Dim Driver For A-B Switching 50% - 100%
	2x4	5000K (50K)	22	DLEN Delete Lens
			26	
			36	
			44	

## Example

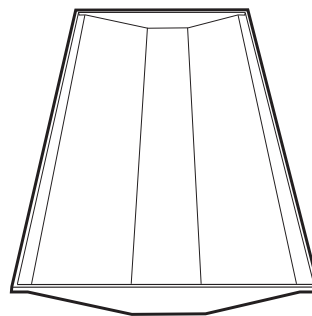
LL-TDR - 24 - 50K - 44

## Lumen Output

Wattage	Lumens
18	2455
22	2856
22	3183
26	3680
36	4878
44	5993

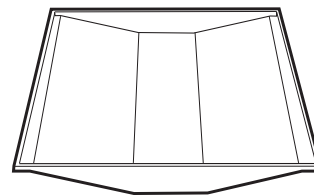
\*Based on 5000K

All Linmore products are available with wireless controls, compatible with **EASYFIT** by EnOcean

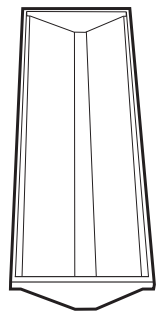


22 1/4" x 45 7/8" x 2 1/2"

## Dimensions



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



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

Weight: 16 lbs.

# TROFFER DOOR RETROFIT (TDR)

## System Components

- ODIM            Outboard Dimmer Switch
- EM8            Emergency Backup Driver with Battery, 8 watts output for >90 minutes, Installed
- LL-SDIM-ADD    Adder to base price to change to Linmore Step-Dim Driver, 100% - 50% - Off

