

Project Name: _____

Application: _____

Date: _____

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.

Troffer Door Retrofit (TDR)



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
- 10 Year Warranty Complete System
- High Reflectance Coating
- Hinges & Latches from Both Sides
- Modernized Aesthetic
- Rapid Installation
- Fits Most Existing T8 & T12 Troffers-2x4, 2x2, 1x4
- Custom Sizing Available



Specifications

Suitability	Most Troffers-2x4, 2x2, 1x4
Warranty	10 Years Complete System
Expected Life	> 102,000 L90
Driver	External, 0-10 Volt Dimmable
System Input Wattage (driver dependent)	15-44 Watts
Efficacy (3500K)	143 Lumens/Watt (+/- 10%)
Voltage	100-277 Volts AC
Beam Angle	180
Integral Volumetric 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

Troffer Door Retrofit System (TDR)

EFFICACY

- Only top tier performance diodes for ultra high lumens/watt
- Lowest Watts per Foot Candle 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 Light Bar area
- Interior PCB Board is made of aluminum core and mechanically bonded to the aluminum extrusion heat sink

OPTICS

- Integral Volumetric Diffuser eliminates glare and evenly distributes light
- 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

Ordering Information: Troffer Door Retrofit System (TDR)

Product Series	Size	Color Temp	System Input Power	Lumens/ System	Options	
Troffer Door Retrofit (TDR)	22-2x2	35K-3500	18	2455	ODIM	Outboard Dimmer Switch
	24-2x4	41K-4100	22	3183	SDIM	Step Dim Module for A-B Switching: 33%-66%-100%
	14-1x4	50K-5000	26	3680	DLEN	Delete Lens
			36	4878		
Example: LL-TDR-?-?-?			44	5693		

Complete: LL-TDR-24-41K-22

= Most Common

DLC Premium Listed Configurations:

2x2 TDR: 18, 22 Watts

2x4 TDR: 22, 26, 36, 44 Watts

Outboard Dimmer Switch



INSTALLATION NOTES:

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

Specifications are Subject to Change.