

COMPLETE TROFFER FIXTURE (TRF)



Linmore LED Labs Linmore LED Labs Complete Troffer Fixture (TRF) is the ultimate troffer fixture product line. The TRF is a modern, aesthetic troffer and a serious energy play. The light engine of the TRF 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 fixture. When the objective for a new troffer is ultra-low energy and a modern appeal, the Linmore TRF 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
- Modernized Aesthetic
- Rapid Installation
- Impact Resistant

COMPLETE TROFFER FIXTURE (TRF)

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

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	T-Bar Ceilings - 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 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	DLC Premium*, UL, RoHS, cUL, FCC CFR 47 Part 15B
Design Lights Consortium	Yes - Premium

Ordering Information

Model	Size	Kelvin	Wattage	Options
LL-TRF-	14- 1x4	3500K (35K)	18	ODIM Outboard Dimmer Switch
	22 - 2x2*	4100K (41K)	22	SDIM Step Dim Driver For A-B Switching 33% - 66% - 100%
	24 - 2x4	5000K (50K)	26	DLEN Delete Lens
			30	*2x2' available in 18 and 22 Watts only
			36	
			44	

Example

LL-TRF- 24 - 50K - 44

Lumen Output

Wattage	Lumens
18	2455
22	3183
26	3680
30	4200
36	4878
44	5693

*Based on 5000K



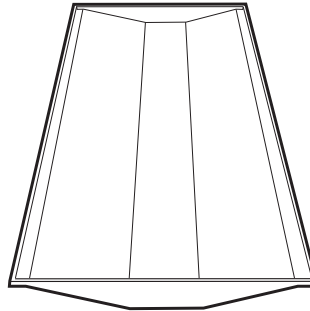
COMPLETE TROFFER FIXTURE (TRF)

Installation Notes

- Troffer Door ships assembled with URS Light Bar and 5" lens, and driver attached



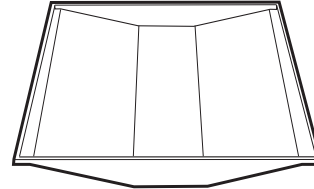
2x4'



23-7/8" x 47-7/8" x 2-1/2"

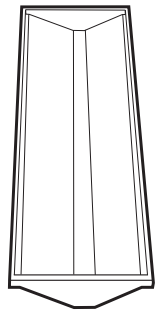
Dimensions

*2x2'



23-7/8" x 23-7/8" x 2-1/2"

1x4'



11-3/4" x 47-7/8" x 2-1/2"

System Components

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