

LUMENOSITY

Trof-2

Solid State LED Lay-In Fixture

LED Replacement for typical fluorescent fixtures !!!



- Five Year Warranty
- Rugged steel base
- ETL listed
- Three-stage surge protection
- LED burn-out protection on-board
- Output greater than 2 typical bulbs
- Consumes only 18 W
- Superior Temperature/Lumens performance with 2700 initial lumens from light engine
- 110-277V input
- 70,000 hours of operation
- Designed to be field serviceable!
- Made in the USA !!



All models of the TF series are designed to replace light fixtures for drop ceiling installations. Both two-foot and four-foot models are offered.

Information

The Lay-In Troffer fixtures from Lumenosity represent a breakthrough in LED technology. We are so confident in our design that we offer a 5-year Unconditional Warranty for the units.

The fixture is based on cutting-edge LED technology from the world's most advanced suppliers, and it offers far superior temperature/lifetime performance ratings than any other manufacturer currently available. This powerful combination allows for a much wider safety margin for long life, more light, more useable lumens and less operational costs than any other comparable fixture available.

In addition to superior LED technology, the unit has surge protection built into its power supply, as well as surge protection across the entire luminaire. Additionally, the fixture is designed in such a manner that even if a single LED were to fail, the rest of the fixture would continue to operate and provide light. Try getting that feature from the competition!



Made in USA

Trof-2 Specifications

- 2' x 2' Lay-in
- 110V-277VAC input voltage
- 32V DC Nominal across Led luminaire
- Diffuser – Diffused laminate
- Base – Stamped Steel, powder coated
- Lay-In Ceiling Mounted
- Over voltage protection on power supply input and output
- Fixture burn-out protection across each LED
- 2700 Initial Lumens from Light Engine
- Weight – 10 pounds
- Std Color Temp= 5000k, other colors available.
- Size= 23.75" x 23.75" x 2.5"



Why LED Technology?

LED technology has made tremendous leaps and bounds over the past few years. Their ever-falling prices of equipment, maintenance-free life, and low operational costs are all primary benefits of this new technology. In addition to these benefits, LED fixtures offer a host of environmental benefits, including:

- More Lumens per dollar in operation, thus conserving electricity and cost!
- Long lifetime, meaning less waste in the local landfill (70,000 hours)
- Ideal for hostile environments because there is no glass bulb to break!
- No mercury or toxic materials contained in the bulbs, unlike fluorescent
- Instant start-up across a wide temperature range, unlike fluorescent
- No U-V light to fade furniture, literature, displays, and artifacts, unlike fluorescent

Energy Savings Comparison

| <u>Light Source</u> | <u>Wattage</u> | <u>Lifespan Hrs./Yrs*</u> | <u>Annual Energy Use</u> | <u>Annual Operating Cost + Maintenance @.13k/KW-H</u> |
|---------------------|----------------|---------------------------|--------------------------|---|
| Fluorescent (2) | 72 | 20k / 1.8 | 631 kW-H | \$ 81.99 |
| LED | 18 | 70k / 16 | 158 kW-H | \$ 23.42 |

**Calculations assume 12 hrs operation/day. Further savings are realized with reduced maintenance costs due to long life of LEDs, drivers, and elimination of glass breakage issues.*