Larson Electronics LLC
9419 E US HWY 175, Kemp, TX 75143
Phone: 800.369.6671

www.LarsonElectronics.com
Email: sales@LarsonElectronics.com
Fax: 903.765.7664

FRL-48

4 Foot, Fluorescent Bulb - Replacement 4' Fluorescent Bulb for Explosion Proof Fixtures - Case of 12

Product ID: 47305

Please see last page for supporting documentation for this product (certificates, CAD files & drawings, IES files, wiring diagrams, etc).



Image: FRL-48

Larson Electronics LLC manufactures a wide variety of products, including custom built to spec designs. The pictures displayed for this unit are a general representation of form factor for the product line and may not accurately represent this exact configuration in every detail due to custom builds and changes between similar products in our standard catalog. The specifics for this configuration are listed in the specification table and supporting documentation (CAD files, Dimensional Drawing, Name Plate Diagram, Wiring Diagram, etc.). This means that specific details (receptacles, plugs, wires, connections, mounting brackets, external finishes, etc.) may not be accurately represented in images vs specifications. Please review specifications and do not order based solely on images.

Replacement 4 Foot Fluorescent Bulb. Ideal for spare or replacement bulbs on 4 foot fluorescent Larson Electronics fixtures, ideal for replacement of our Explosion Proof, 4 Foot, 4 Lamp Fixtures. T-Series replacement 4 foot fluorescent bulb.

Fluorescent lamps are not voltage specific, meaning there are no low voltage or high voltage fluorescent lamps. The fixture`s battery/ballast system converts the incoming voltage to the voltage that the lamps require. This applies only to fluorescent lamps and NOT LED tube style replacement lamps.

Price per case - lamps sold in cases containing 12 units each.

Lamp Options:
Our most popular standard lamp configuration uses 54 Watt High Output T5HO fluorescent lamps producing 5000 lumens per lamp (10,000 lumens total). However, we do have options, including:

F54-T5/850/HO – 54 watt, 5000 lumens per bulb, 20,000 hours life, 5000 Kelvin color (Suffix –50KT5HO)
F54-T5/841/HO – 54 watt, 5000 lumens per bulb, 20,000 hours life, 4100 Kelvin color (Suffix

–41KT5HO)
F48-T12/HO – 60 watt, 4050 lumens per bulb, 12,000 hours life, 4100 Kelvin color (Suffix –T12HO)
F32-T8/841 – 32 watt, 2950 lumens per bulb, 24,000 hours life, 4100 Kelvin color (Suffix –T8)

We offer a choice of bulbs with all of our explosion proof fluorescent fixtures. However, we standardize on the T5HO bulbs. Many of our customers, including Naval bases, shipyards, oil rigs and petrochemical processing plants operate in very cold conditions, and T12HO operate best in those environments. The T12HO bulbs are also the least expensive to replace. T-8 bulbs are inexpensive as well, but you trade off lower light output for longer life. Finally, T5HO bulbs cost about 2 times that of the other bulbs but offer high light output and long life.

NOTE ON LAMPS: *There is some confusion on T12 bulbs. There are 2 types of T12 bulbs. The older T12 bulbs ran on magnetic ballasts. Those ballasts have vanished and the T12 bulbs that work with those ballasts are vanishing as well. All of our explosion proof fluorescent fixtures use electronic ballasts and the F48-T12/HO bulb is widely available and low cost to replace. We use Philips bulbs and they plan to continue the T12 series indefinitely, as does GE. In fact, GE is now selling an electronic ballast replacement for T12 based fixtures that formerly operated with their magnetic ballasts.*

Larson Electronics LLC
9419 E US HWY 175, Kemp, TX 75143
Phone: 800.369.6671

www.LarsonElectronics.com
Email: sales@LarsonElectronics.com
Fax: 903.765.7664

Frequently Asked Questions (FAQ)

There are no Faqs

Larson Electronics LLC
9419 E US HWY 175, Kemp, TX 75143
Phone: 800.369.6671

www.LarsonElectronics.com
Email: sales@LarsonElectronics.com
Fax: 903.765.7664

FRL-48

Product ID: 47305

Export Control Classification Number (ECCN): EAR99

Options:

FRL-48-Lamp
Example: FRL-48-T12HO

Lamp	
60W-T12HO	-T12HO
32W-T8	-T8
54W-T5HO 5000K	-50KT5HO
54W-T5HO 4100K	-41KT5HO
T8HO	-T8HO
4100K 36W T8	-41K36WT8
3500K 36W T8	-35K36WT8

Links (Click on the below items to view):

- **Operations Manual**(https://www.larsonelectronics.com/images/product/Manual/47305.PDF)
- **ISO 9001 Certification**(http://larsonelectronics.com/images/pdfdocs/ISO9001.PDF)
- **Business Certificate**(https://www.larsonelectronics.com/images/pdfdocs/w9.PDF)
- **Shipping Time Map**(https://www.larsonelectronics.com/images/product/ShippingTimeMap/ShippingTimeMap.pdf)