

T8 LED RETROFIT Kit

The LED Retrofit Kit delivers superior efficiency, flexibility, and easy installation, with selectable color temperatures, adjustable lumen outputs, and multiple size options. It offers an all-in-one solution for retrofitting T5, T8, and T12 fluorescent fixtures across commercial, healthcare, and industrial applications.

Date _____

Project Notes _____



120-277
VAC

FEATURES

- Compatible with T5, T8, and T12 Fluorescent Fixtures
- 3 Selectable Color Temperatures (CCT)
- Multi-Size Options: 2FT and 4FT
- Effortless Magnetic Installation
- Dimmable for Complete Control
- 5 Year Limited Warranty



ORDERING CODES

Order spools, and components for field assembly

	Voltage	Model	Series	Length	CCT
DI					
	120V (120V Volt)	T8	RETRO	2F (2 feet) 4F (4 feet)	CCT (3500K, 4000K, 5000K Selectable)

T8 LED RETROFIT - SPECIFICATION TABLE

Models	120V-T8-RETRO-2F	120V-T8-RETRO-4F
Voltage	120V-277VAC	120V-277VAC
Wattage	15W/20W/26W	24W/30W/40W
Lumens	3500K, 4000K, 5000K Selectable 2200 Lm., 2800 Lm., 3500 Lm. Selectable	3000 Lm., 4000 Lm., 5000 Lm. Selectable
CRI	80+	80+
Dimensions	24 x 0.71 x 0.47 in. (L x W x H)	48 x 0.71 x 0.47 in. (L x W x H)
TM-21 (LM-80)	>50,000 hours	>50,000 hours
Environment	Indoor / Damp Location (IP20)	Indoor / Damp Location (IP20)
Ambient Temperature	-4 ~ 122°F (-20 ~ 50°C)	-4 ~ 122°F (-20 ~ 50°C)
Operating Temperature	-4 ~ 113°F (-20 ~ 45°C)	-4 ~ 113°F (-20 ~ 45°C)
Certification	ETL & DLC Premium	ETL & DLC Premium
Warranty	5 Year Limited Warranty	5 Year Limited Warranty



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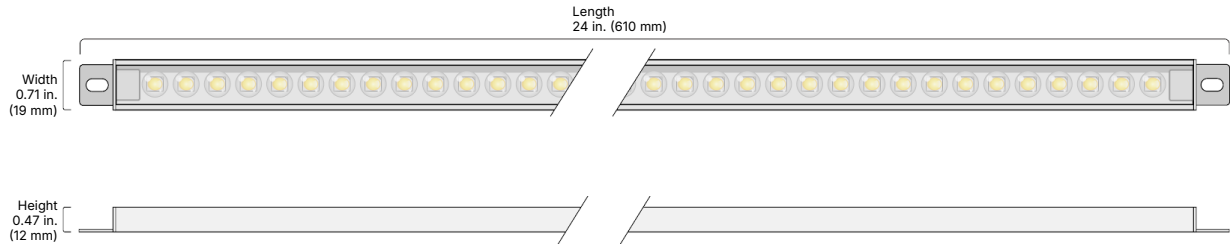
Project Notes _____



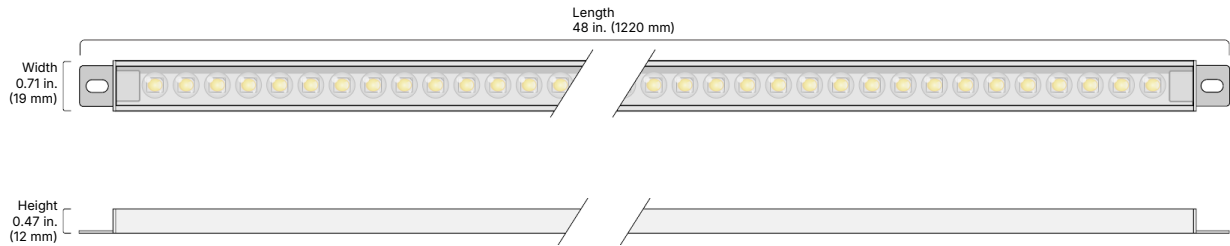
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MECHANICAL DIAGRAMS

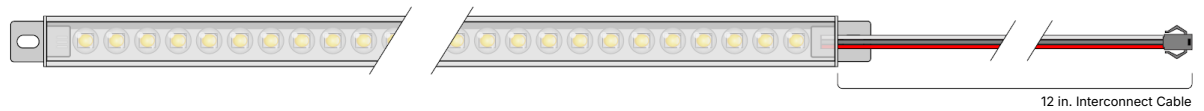
120V-T8-RETRO-2F



120V-T8-RETRO-4F



CONNECTIONS



- Lumen value measured in accordance to IES LM-80-08. LED chips have a luminous flux range with a tolerance of +/- 5%.
- Each maximum run requires a dedicated power feed from the driver. Do not extend beyond the recommended maximum run length. Max run may exceed Class 2 limit. Actual wattage may differ from calculated wattage due to voltage drop across run.
- Do not install product in an environment outside the listed ambient temperature. Exceeding the maximum ambient temperature may damage LED chips, reduce the total lamp life, lumen output, and/or adversely impact color consistency.
- Actual efficacy value is dependent to specified LED driver (power supply). An estimated efficacy value can be calculated as follows: Lumen value divided by average power consumption per foot.
- Operating temperature is measured according to the minimum and maximum ambient temperature environment.



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CERTIFICATIONS

Safety

- ETL Listed (US and Canada)

Performance

- DLC Premium Listed (DLC Category: Retrofit Kits for Direct Linear Ambient Luminaires)
- LED chip data measured in accordance to IES LM-80-08.
- Photometric & Colorimetry data measured in accordance to IES LM-79-08, in Elemental LED's Innovation Lab.

Safety / Warnings / Disclosures

1. Install in accordance with national and local electrical code regulations.
2. This product is intended to be installed and serviced by a qualified, licensed electrician.
3. Only use copper wiring. Use wires rated for at least 176°F (80°C) and certified for use with external connection of electrical equipment.
4. Ensure applicable wire is installed between driver, fixture, and any controls in-between. When choosing wire, factor in voltage drop, amperage rating, and type (in-wall rated, wet location rated, etc.). Inadequate wire installation could overheat wires, and cause fire.
5. Do not install in environment where excessive heat may exist (ex. close proximity to fireplace, etc.) See Ambient Temperature ratings
6. Do not modify product beyond instructions or warranty will be void.
7. Actual color may vary from what is pictured on this sheet and other print materials due to the limitations of photographic processes.
8. We reserve the right to modify and improve the design of our fixtures without prior notice. We cannot guarantee to match existing installed fixtures for subsequent orders or replacements in regards to product appearance, CCT, or lumen output.

WARRANTY

Limited Warranty

- 3 Year Limited and 5 Year Limited Warranties

This warranty does not include the additional accessories referenced in this specification sheet. Complete warranty details for fixtures and additional accessories are available at www.diodeled.com/limited-warranty/ within the Policies section. For warranty related questions please contact product support.

Consumer's Acknowledgment

Elemental LED, Inc. stands behind its products when they are used properly and according to our specifications. By purchasing our products, the purchaser agrees and acknowledges that lighting design, configuration and installation is a complex process, wherein seemingly minor factors or changes in layout and in-field adjustments can have a significant impact on an entire system. Choosing the correct components is essential. Elemental LED is able to work with the original purchaser to make an appropriate product selection to the extent of the limited information that the customer can provide, but it is virtually impossible for Elemental LED to design a system that foresees every unknown factor. For this reason, this Warranty does not cover problems caused by improper design, configuration or installation issues. Any statement from a Elemental LED employee or agent regarding a customer's bill of goods and/or purchase order is NOT an acknowledgment that the products purchased are designed and configured correctly. The purchase agrees and acknowledges that it is the customer's responsibility to adhere strictly to all information contained in the Product Specification Sheets.

There is often more than one way to design, configure and layout an LED lighting application properly to achieve the same lighting effect. Elemental LED strongly recommends that licensed professionals be used in the design and installation of lighting systems that include Elemental LED products. The specifications include important information that a designer and installer should carefully review and strictly follow. Qualified designers and certified and/or licensed installers, with access to the final installation environment, customer goals, and Elemental LED product specifications can make the requisite decisions appropriate for a successful finished lighting application.

