

## Installation Instructions: Eco-Fit T8 LED Tube Lamp

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*Eco-Fit T8 Tube Lamp*







### Key Features

- Ballast-ready
- Compatible with existing fluorescent ballasts
- No mercury or UV
- Long 50,000-hour life
- UL, cUL, RoHS
- Rugged, solid-state design with constant-current power supply for noise-free operation
- Instant on/off

### Installation Notes & Precautions

- *Read all precautions, warnings, instructions, and ballast compatibility contained in this document.*
- Installation should be performed by a qualified electrician or installer.
- Operating voltage range: Ballast-dependent  
*CAUTION: Match circuit voltage to rated voltage range.*
- Operating temperature range: -4 to 113 °F
- This light source is not intended as an emergency exit fixture or light.

## Warnings

-  Do not install this LED lamp using a direct connection to the mains AC power source.
-  Do not install this LED lamp using a glow starter for magnetic ballasts. Use electronic ballasts listed on the REVOLUTION LIGHTING Ballast Compatibility List only.
-  Risk of fire or electric shock. Do not alter, relocate, or remove wiring, or any other electrical component. If necessary, contact a qualified electrician for assistance.
-  Always disconnect power for your safety when performing the luminaire modification steps below! In some cases, it may be necessary to test the power feed with the power connected. Only connect the power when doing the testing, then disconnect the power from the luminaire when performing the steps below.
-  Always follow local and regional NEMA Electrical codes. NEMA codes provide information on proper procedures, safety guidelines, proper tools, connection methods, and specifications on materials.
-  Revolution Lighting Technologies, Inc. cannot and will not be liable for any modifications or results of modifications to electrical devices or luminaires. These instructions are provided as a reference. By using the included instructions, you are solely responsible for following all applicable electrical safety procedures, codes, methods, and materials. If you are unsure about any electrical modification or installation, please consult a licensed electrician or electrical contractor in your area.

## Installation Instructions: Eco-Fit T8 LED Tube Lamp

### STEP 1



- Disconnect power to installation site.  
**WARNING: Ensure that all power is off using a voltmeter or other method. NO HOT SWAPPING!**

### STEP 2



- Remove troffer lens, if applicable, then remove existing fluorescent lamps from the fixture and dispose of them per job/company site rules and regulations.
- Remove ballast cover and inspect ballast to ensure that ballast model is compatible as listed in the Ballast Compatibility Chart below. Ballasts that are not compatible, not tested, or not listed on the compatibility chart will not or may not work.
- Verify that ballast is still under warranty and undamaged. Aging, damaged ballasts may not work properly.
- Replace any incompatible, aging, or damaged ballast with a compatible new ballast.
- Replace ballast cover.

### Step 3



- Insert connector pins of ballast-ready LED tube lamp into tombstone sockets of the fixture.

Step 4



- Rotate ballast-ready LED tube lamp until it locks in place, ensuring that the light-emitting side of the lamp is pointed outward and away from the rear of the fixture.

STEP 4



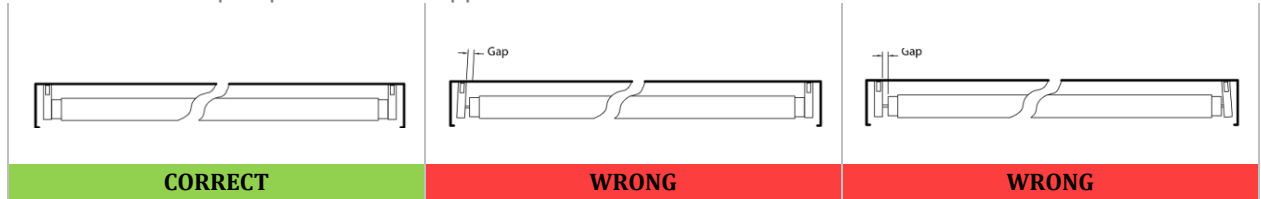
- Replace troffer lens, if applicable, and switch power back on.

### Important Safeguards for Pre-Installation, Installation, and Post-Installation of All Revolution Lighting Ballast-Ready Tube Lamps

***Please read the following important safeguards to be taken before, during, and after installation***

- Before installing any Ballast-Ready Tube Lamp, Revolution Lighting strongly suggests replacing all ballasts with new ballasts that have been tested and listed on the Ballast Compatibility List located at: <http://rvlti.com/support.php#Eco-Fit-Ballast-Compatibility-List>. If full ballast replacement is not possible, EACH AND EVERY ballast at the job site must be checked to ensure that it has been tested and is listed on the Ballast Compatibility List prior to the installation of the Ballast-Ready Tube Lamps. Therefore, ballasts ideally should be checked during the initial sales audit/quoting phase or during the installation phase of the project.
- Before installing Ballast-Ready Tube Lamps, ensure that the number of tubes installed in the fixture matches the number of tubes allowed as printed on the ballast. **DO NOT DE-LAMP THE FIXTURE AND INSTALL FEWER THAN THE NUMBER OF LED TUBES INTENDED.** For example, if the ballast is made to handle 4 tubes, ensure that 4 LED tubes are installed. If fewer than 4 tubes are needed, install an appropriate ballast for that number of tubes.
- Before buying and installing Ballast-Ready Tube Lamps, check the configuration and condition of the fixture wiring. Ensure that the wiring configuration used matches the appropriate wiring diagram printed on the ballast to be used. Revolution Lighting strongly suggests replacing ALL of the wiring in the fixture if any wires are damaged or in poor condition.
- Revolution Lighting strongly suggests replacing ALL of the sockets in the fixture using the appropriate size and style to match the fixture and ballast type in order to avoid any complications or failures due to damaged or fatigued sockets. Contact your Revolution Lighting representative for more information. If full replacement of all sockets is not possible, check the condition of the fixture sockets (tombstones) BEFORE installing Ballast-Ready Tube Lamps. Any damaged or defective sockets MUST be replaced prior to installing Ballast-Ready Tube Lamps.
- Before installing Ballast-Ready Tube Lamps, **ALWAYS ENSURE THAT THE POWER IS OFF TO THE FIXTURE (BALLAST) BEFORE AND DURING THE INSTALLATION** of any Ballast-Ready Tube Lamps or other products. Remove and replace ALL tubes in the fixture before turning power back ON to the fixture (ballast). **NO HOT SWAPPING!** Failure to have the power OFF will void the Revolution Lighting Ballast-Ready Tube Lamp warranty.
- When installing Ballast-Ready Tube Lamps, install the tube lamp properly so that it is fully seated in

its proper orientation. Ensure that there is not a gap between the tube lamp and the socket and that the sockets are not pushed outward after the tube lamp is installed. Failure to ensure proper installation and contact may lead to poor contact, which may generate high voltage arcing between the tube lamp bi-pins and the copper contacts inside the socket.



**WARNING – High-voltage arcing from poor contact can generate high heat that could potentially lead to melting and charring of the socket or tube damage! Always ensure that the tubes fit properly in the fixture and sockets before restoring power to the fixture!**