Installation Instructions
TH-TE-TX Series Ballast Housing

READ AND FOLLOW ALL SAFETY INSTRUCTIONS!
SAVE THESE INSTRUCTIONS AND DELIVER TO OWNER AFTER INSTALLATION

IMPORTANT SAFETY INSTRUCTIONS

⚠️ WARNING
To reduce the risk of death, injury or property damage from fire, electric shock, cuts, abrasions, falling parts, and other hazards:

• Service of the equipment must be performed by qualified service personnel.
• Installation and maintenance must be performed by a person familiar with the construction and operation of this product and any hazards involved. All applicable codes and ordinances must be followed.
• Read this document before installing, servicing, or maintaining this equipment or installing a lamp. These instructions do not cover all installation, service, and maintenance situations. If your situation is not covered, or if you do not understand these instructions or additional information is required, contact Lithonia Lighting or your local Lithonia Lighting Distributor.
• Read and follow all warnings and instructions provided by the lamp manufacturer.

⚠️ WARNING
Before installing, servicing, or maintaining this equipment, follow these general precautions.

To reduce the risk of electrocution:

• Make sure the equipment is properly grounded.
• Always de-energize the circuit and/or equipment before connecting to, disconnecting from, or servicing the equipment.

To reduce the risk of fire:

• Keep material away that can burn from hot lamp.
• Make sure lamps are correctly installed.
• Use supply conductors with a minimum installation temperature rating as specified on equipment.

To reduce the risk of personal injury from cuts, abrasions, or falling parts:

• Wear gloves to prevent cuts or abrasions from sharp edges when removing from carton, handling and maintaining this equipment.
• Do not use abrasive materials, glass cleaners or other solvents on reflector or lens. These substances may damage equipment and cause parts to eventually break and fall.
• Do not install a damaged fixture.

⚠️ CAUTION: Observe lamp manufacturer’s recommendations and restrictions on lamp operation, including but not limited to ballast type, burning position, replacement and cycling. Use only lamps that comply with applicable ANSI standards.

NOTICE: If lamp is marked it contains mercury. Follow disposal laws. See www.lamprecycle.org

Lithonia Lighting, a division of Acuity Brands Lighting, Inc., assumes no responsibility for claims arising out of improper or careless installation or handling of this product.

SAVE THESE INSTRUCTIONS
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TROUBLESHOOTING
If this fixture fails to operate properly, check to make sure:

• The correct lamp is properly installed.
• The fixture is wired correctly.
• The lamp is not faulty.
• The fixture is grounded correctly.
• The line voltage at the fixture is correct.

FOR ACRYLIC APPLICATIONS: Consult the Acrylic Environmental Compatibility Chart in Technical Data Index available at www.lithonia.com to verify compatibility with environmental conditions. Do not use acrylic reflectors or lenses in any location where they will be exposed to environmental contaminants that may diminish their integrity.

GROUNDING NOTE: These fixtures must be grounded in accordance with all applicable local electrical codes and ordinances.

NOTE: This instruction sheet explains ballast housing installation. For optical assembly refer to the instruction sheet in the optical assembly carton.

INSTALLATION INSTRUCTIONS
Do not install damaged product. Upon receipt of fixture and accessories (packed separately) thoroughly inspect for any freight damage that should be brought to the attention of the delivery carrier. Damaged product must be repaired or replaced. Compare the catalog description listed on the packing slip with the fixture label on the inside of the housing to be sure you have received the correct merchandise.

These fixtures are designed to mount easily onto a Lithonia Lighting pendant splice box (PSB). The pendant splice box comes disassembled in the fixture carton.

1. Remove safety screw and cover plate screw from housing flange.
2. Attach PSB securely to 3/4” conduit or other approved supporting means. A locknut must be used between the PSB and supporting conduit to insure that the fixture does not vibrate loose.
3. Determine the heaviest side of the ballast assembly. The heavier side of the housing must be located to the side of the PSB that the 3/4” conduit entry is located. Slide the ballast housing into the PSB.
4. Install safety screw securely in PSB. This prevents accidental disengagement of fixture while connections are made and extends the conduit ground to fixture housing.
5. Make supply connections. For multiple voltage fixture, first determine correct line voltage. Then select the proper fixture voltage lead, remove crimped cap and connect to supply voltage lead. Insulate all unused leads individually.
6. Insert spliced connections into PSB and attach cover with cover screw provided.
7. If cord connected, secure excess cord to insure that cord does not contact external ballast housing or reflector surfaces.

CAUTION: Improper wiring my result in ballast failure and voids all warranties. Be sure the proper fixture voltage lead has been selected to match the supply voltage.

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NOTE: Housing must be attached by hook when mounting to flexible pendant stem. Do not thread flexible pendant stem directly into pendant splice box on housing.

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CAUTION: Improper wiring may result in ballast failure and voids all warranties. Be sure the proper fixture voltage lead has been selected to match the supply voltage.

LAMP INSTALLATION: Be certain power supply is not engaged when installing or replacing lamps. Prior to installing the lamp in the fixture, check fixture markings to be certain the lamp is the correct type and wattage. Screw the lamp securely into the socket, back it out one or two turns, then screw lamp back in, making sure it is secure. This procedure properly seats lamp in the socket. For QRS and EC options, be certain quartz lamp wattage does not exceed wattage rating of fixture. Push lamp into socket and depress, twist clockwise and release.

CAUTION: The use of lubricants on lamp bases or sockets can cause premature lamp failure and voids fixture warranty.

CAUTION: Replace failed lamp promptly. Failure to do so can shorten the life of electrical components.

EMERGENCY CIRCUIT OPTION: Emergency circuit quartz socket leads are wired to an auxiliary power circuit. Be certain that auxiliary power supply is not engaged when installing or replacing quartz lamps.

REFLECTOR / LENS MAINTENANCE: Periodically clean to maintain optimum performance and to promote maximum optic life. For acrylic optics, use a water dampened cloth only because cleaner ingredients may diminish acrylic integrity. For aluminum optics, clean with a mild, non-abrasive cleaner.

TROUBLESHOOTING
If this fixture fails to operate properly, check to make sure:

• The correct lamp is installed.
• The fixture is wired correctly.
• The line voltage at the fixture is proper.
• The lamp is not faulty.
• The fixture is grounded correctly.
If all these variables have been checked and the fixture still does not operate properly, contact your local Lithonia Lighting distributor.

APPLICATIONS: This product should only be installed where there are minimal airborne contaminants.

IMPORTANT METAL HALIDE LAMP INFORMATION
Certain metal halide lamps require the use of a suitably enclosed luminaire and/or must be operated in accordance with specific guidelines that have been established by the lamp manufacturer. NFFA 70B, "Recommended Practice for Electrical Equipment Maintenance," Section 15-5.2, states, “Metal halide lamps are constructed of an outer bulb with an internal arc tube made of quartz. The arc tube operates under high pressure at very high temperatures — as high as approximately 1,100 degrees Celsius. The arc tube and outer bulb can unexpectedly rupture if the lamp is misapplied. In continuously operating systems (24 hours a day, 7 days a week), lamps should be turned off once per week for at least 15 minutes. Failure to do this increases the risk of rupture." Refer to lamp manufacturer for specific warnings and recommendations.

Lamps classified as **E type** are to be used only in suitably rated enclosed luminaires.

Lamps classified as **S type** may be used in open luminaires in certain applications, when operated in the specified near vertical position. This category of lamps is limited only to certain lamps in the 350 to 1000 watt range.

Lamps classified as **O type**, with quartz arc tubes, comply with “American National Standard for Electric Lamps – High Intensity Discharge, Methods of Measuring Characteristics,” ANSI Standard C78.389, for containment testing and may be used in open luminaires.

To determine the appropriate selection of a metal halide lamp, refer to all of the lamp manufacturer’s warning and cautionary statements regarding the use of the lamp in your specific application.