



Recessed and Trac Lighting

# INSTALLATION INSTRUCTIONS

## Magnetic Remote Mounted Transformers TL576-10-BL 12 volt, 10 watt, single output TL576-25-BL 12 volt, 25 watt, single output TL576-60-BL 12 volt, 60 watt, single output

### SAVE THESE INSTRUCTIONS

#### IMPORTANT SAFEGUARDS:

When using electrical equipment, always adhere to basic safety precautions including the following:

### IMPORTANT SAFETY/ OPERATING INSTRUCTIONS

1. Read all instructions.
2. Do not conceal or extend exposed conductors through a building wall.
3. To reduce the risk of fire and burns, do not install this lighting system where the exposed bare connectors can be shorted or contact any conductive materials.
4. To reduce the risk of fire and overheating, make sure all connections are tight.
5. Do not install any luminaire closer than 6 inches (15.25cm) from any curtain, or similar combustible material.
6. Turn off electrical power before modifying the lighting system in any way.
7. These transformers are intended for use with Juno Solo-Task and Mini LED Downlights/Gimbals.
8. Install transformer on a wall or other vertical surface.
9. Do not install in confined or unventilated areas that may entrap heat.
10. Do not allow transformer to come in contact with insulation.
11. Do not install in wet or damp locations or outdoors.
12. Do not install in a non-accessible location. Units are equipped with a manually resettable circuit breaker that will trip in the event of a short circuit or overload condition.
13. Use only 12 gauge or smaller wire to connect the transformer output to the first fixture.
14. TL576 transformers should be dimmed only with dimmers specifically designed for use with magnetic transformers. The dimmer must only be connected to the 120 volt input wires providing power to the transformer.
15. All units are equipped with a terminal block. The inputs are labeled PRI and the outputs labeled SEC.
16. The TL576 transformer has one output, while the TL576 has two outputs, each capable of delivering 5 amps or 60 watts at 12 volts. The first output consists of two terminals labeled 12VAC SEC and COM SEC. The second output consists of two additional terminals labeled 12VAC SEC 2 and COM SEC 2.
17. The maximum load applied to each output must not exceed 5 amps or 60 watts. The load does not need to be balanced on the transformer with two outputs. Since lighter loads result in higher luminaire voltage, and luminaire voltage should never exceed 12.0 volts, the total load on the transformer typically should not be less than 1/2 of its maximum rated capacity.
18. Connect ground wire to the GND terminal.
19. Applying 120 volts across the COM PRI and 120VAC PRI input terminals will provide nominal 12 volts across the output terminals. Applying 120 volts across the COM PRI and BOOST PRI input terminals will provide nominal 13 volts across the output terminals. Use boost connection only if the voltage at the first luminaire is less than 11.0 volts.
20. Do not apply 120 volts across the 120VAC PRI and BOOST PRI input terminals.

#### TL576 TRANSFORMER INSTALLATION

1. Select a mounting location for the transformer, taking care to observe the above listed safety / operating instructions.
2. Choose the appropriate wire gauge, and determine the proper wire length and transformer input.
3. Mount the transformer to the desired surface. Run AC power lines to the transformer and output wires from the transformer to the luminaire.
4. In order to avoid nuisance tripping of the panel circuit breaker, it is recommended that the use of a high magnetic type circuit breaker (e.g. Square D no. QOB120HM) be selected for this and all high power, magnetic type transformer loads.
5. Connect the input and output wires to the transformer per the diagram on the case, information provided on this sheet and local electrical codes.
6. Connect the other end of the output wires to the luminaire.
7. Ensure that all electrical connections are tight. This step is essential for a reliable installation.
8. Install the lamps into the fixtures and the fixtures onto the Trac.
9. Apply AC power. Confirm that all fixtures function acceptably. Measure the voltage at the first luminaire. Confirm that the voltage is between 11.0 and 12.0 volts.

#### WARRANTY

Juno Lighting Group warrants that its products are free from defects in material and workmanship for one year from the date of purchase. Juno Lighting Group's obligation is expressly limited to repair or replacement, without charge, at Juno Lighting Group's factory after prior written return authorization has been granted. This warranty shall not apply to products which have been altered or repaired outside of Juno Lighting Group's factory. This warranty is in lieu of all other warranties, expressed or implied, and without limiting the generality of the foregoing phrase, excludes any implied warranty of merchantability. Also, there are no warranties which extend beyond the description of the product on the company's literature setting forth terms of sale.

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