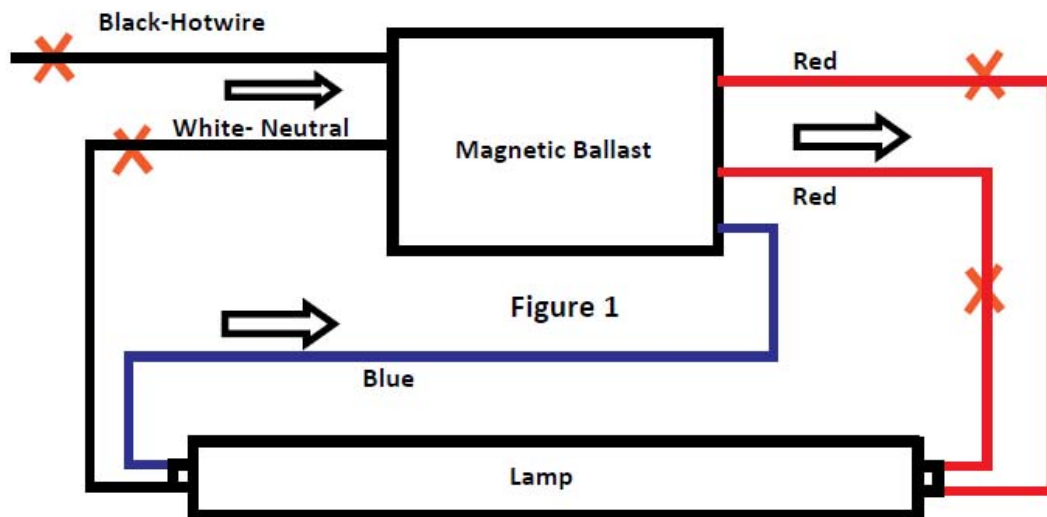


## One Lamp Fixture-T5 Converter Retrofit Installation

**Important: Please read instructions completely prior to installation. Installation must be done only by qualified/certified technician or electrician.**

1. Ensure that all the necessary electrical tools<sup>\*</sup> required are readily available. Turn off the power to the light fixture/s that will be retrofitted with the T5-23W.
2. Prior to doing any electrical works, check to ensure there is no external power coming in with a multi-tester.
3. After ensuring the power is securely turned off, remove the fluorescent tube & fixture cover to have access to the ballast (Ensure that there is no power coming in to the ballast)
4. Once you have determined that there is no power in the ballast, cut the wires specifically the neutral & hot wires going in and coming out of the existing ballast. As shown in Figure 1 (EXISTING).



Lamp: T5, 28W;

You may maintain / order replacement lamps / Converter by phone, website and/or mail as below:

Haining XinGuangYuan Lighting Co., Ltd.

Email: [sun@new-lights.com](mailto:sun@new-lights.com)

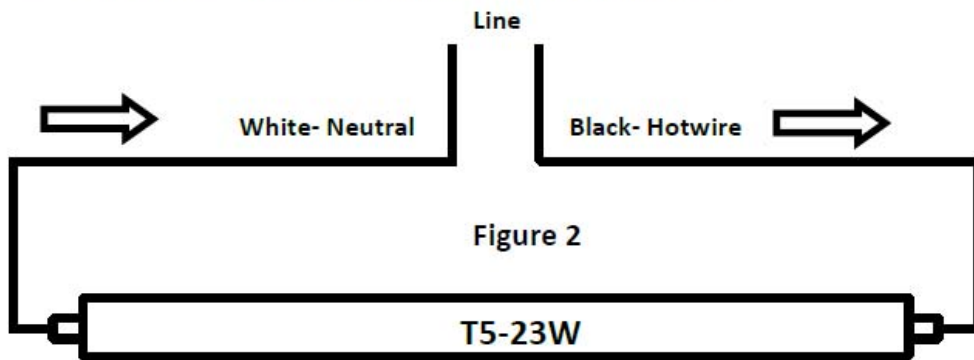
<sup>\*</sup>--Tool list: screwdriver, wire stripper, insulation tape

Package includes: T5 Converter, User manual, cautionary label

5. Connect the set of wires from ONE SIDE OF THE FLUORESCENT TUBE HOLDER/TOMBSTONE TO THE HOTWIRE. Connect the OPPOSITE SIDE OF THE FLUORESCENT TUBE HOLDER/TOMBSTONE TO THE NEUTRAL WIRE. (NOTE: Ensure that the two opposing sets of tube holder/tombstone wires are not connected to each other. Separate one side from the other, prior to connecting the hotwire and the neutral wire to each respective side. This is to ensure that the flow of electricity is in one direction.

**Failure to do so will damage the ballast.)**

6. Do the bypass to the tombstone as shown in the Figure 2.



7. Ensure that all the connections are properly secured.
8. Re-install the fixture cover. Install the new T5-23W Converter Fixture onto the existing light fixture. Turn on the power and ensure proper T5-23W operation.
9. **During the rewiring, starter and ballast of the original luminaire (including magnetic ballast and electronic ballast) must be removed.**
10. **After replacement, please attach the replacement marking label and cautionary label ("WARNING - After the luminaire has been modified, it can no longer accept original lamp(s)) located where visible during relamping either on the retrofitted luminaire**

**“WARNING” – Risk of fire or electric shock. Kit installation requires knowledge of fluorescent lighting luminaires electrical systems. If not qualified, do not attempt installation. Contact a qualified electrician.**

**“WARNING – Risk of Fire or electric shock. Install this kit only in the luminaires that has the construction features and dimensions shown in the photographs and/or drawings”**

**“Do not make or alter any open holes in an enclosure of wiring or electrical components during kit installation”**

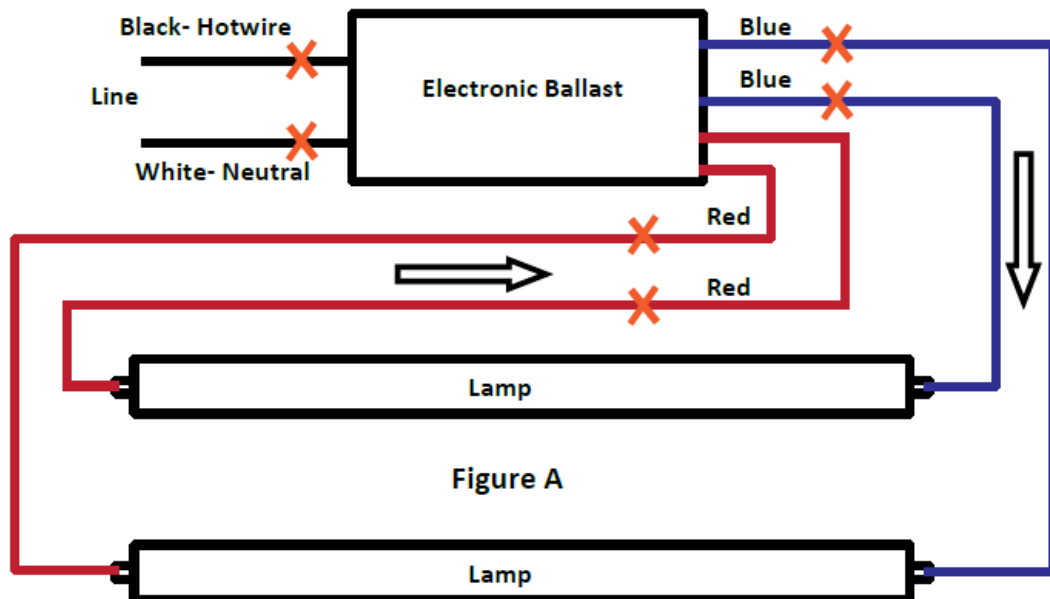
**“WARNING – To prevent wiring damage or abrasion, do not expose wiring to edges of sheet metal or other sharp objects”**

**“WARNING – After the luminaire has been modified, it can no longer accept original lamp(s). Have a label affixed (provided by the retrofit manufacturer), indicating the luminaire has been modified and can no longer operate the original intended lamp(s).**

## Two Lamp Fixture-T5 Converter Retrofit Installation

**Important: Please read instructions completely prior to installation. Installation must be done only by certified technician or electrician**

1. Ensure that all the necessary electrical tools\*required are readily available. Turn off the power to the light fixture/s that will be retrofitted with the T5-23W.
2. Prior to doing any electrical works, check to ensure there is no external power coming in with a multi-tester.
3. After ensuring the power is securely turned off, remove the fluorescent tubes & fixture cover to have access to the ballast (Ensure that there is no power coming in to the ballast)
4. Once you have determined that there is no power in the ballast, cut the wires specifically the neutral & hot wires going in and coming out of the existing ballast. As shown in Figure A(existing).



Lamp: T5, 28W;

You may maintain / order replacement lamps / Converter by phone, website and/or mail as below:

Haining XinGuangYuan Lighting Co., Ltd.

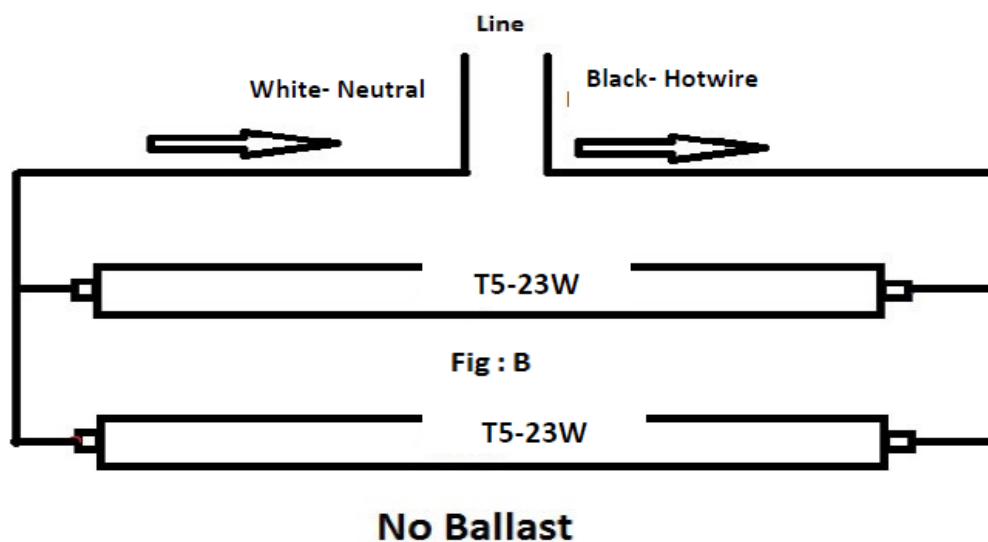
Email: sun@new-lights.com

\*--Tool list: screwdriver, wire stripper, insulation tape

Package includes: T5 Converter, user manual, a WARNING label

5. Connect the set of wires from ONE SIDE OF THE FLUORESCENT TUBES HOLDER/TOMBSTONES TO THE HOTWIRE. Connect the OPPOSITE SIDE OF THE FLUORESCENT TUBES HOLDER/TOMBSTONES TO THE NEUTRAL WIRE. (NOTE: Ensure that the two opposing sets of tube holders/tombstones wires are not connected to each other. Separate one side from the other, prior to connecting the hotwire and the neutral wire to each respective side. This is to ensure that the flow of electricity is in one direction. Failure to do so will damage the ballast.)

6. Do the bypass to the existing tombstone as shown in the Figure B.



7. Ensure that all the connections are properly secured.
8. Re-install the fixture cover. Install the new T5-23W Converter Fixture onto the existing light fixture. Turn on the power and ensure proper T5-23W operation.
9. During the rewiring, starter and ballast of the original luminaire (including magnetic ballast and electronic ballast) must be removed.
10. After replacement, please attach the replacement marking label and cautionary label ("WARNING - After the luminaire has been modified, it can no longer accept original lamp(s)) located where visible during relamping either on the retrofitted luminaire

**“WARNING” – Risk of fire or electric shock. Kit installation requires knowledge of fluorescent lighting luminaries electrical systems. If not qualified, do not attempt installation. Contact a qualified electrician.**

**“WARNING – Risk of Fire or electric shock. Install this kit only in the luminaries that has the construction features and dimensions shown in the photographs and/or drawings”**

**“Do not make or alter any open holes in an enclosure of wiring or electrical components during kit installation”**

**“WARNING – To prevent wiring damage or abrasion, do not expose wiring to edges of sheet metal or other sharp objects”**

**“WARNING – After the luminaire has been modified, it can no longer accept original lamp(s). Have a label affixed (provided by the retrofit manufacturer), indicating the luminaire has been modified and can no longer operate the original intended lamp(s).**

**FCC statement: This Product may cause interference to radio equipment and should not be installed near maritime safety communications equipment or other critical navigation or communication equipment operating between 0.009-30 MHz.**

**This device complies with Part 18 of the FCC Rules.**

**Operation is subject to the following two conditions:**

- (1) this device may not cause harmful interference**
- (2) this device must accept any interference received, including interference that may cause undesired operation.**