

Installation Guide

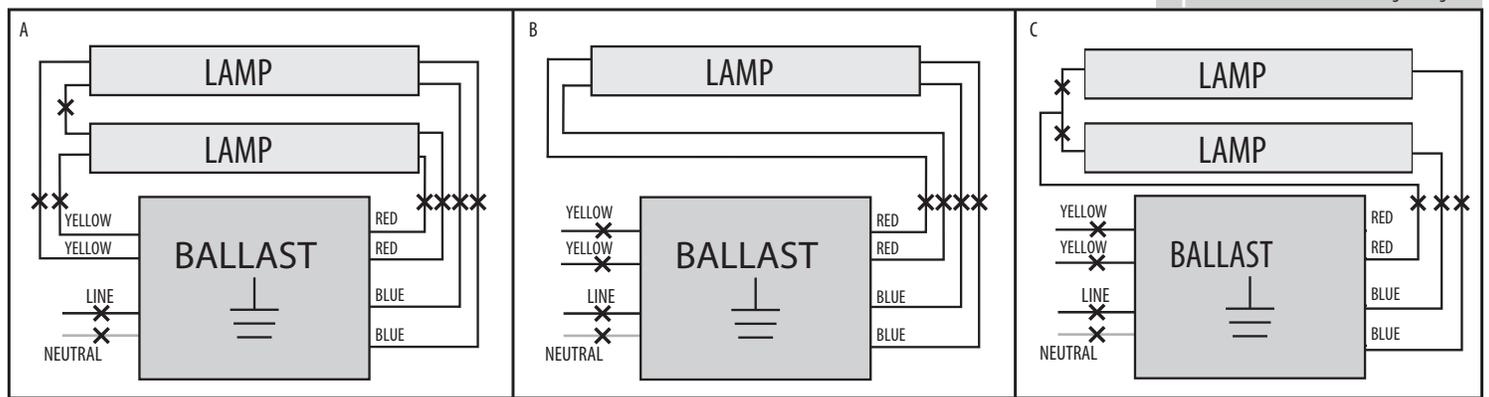
VIVID™ T8 LED ByPass Single&Double-Ended Tube (BPSP4/DE, BP4/DE)

Please read this installation manual carefully, it contains important information and notes regarding the installation and operation of VIVID T8 LED ByPass Double-Ended Tube (BPSP4/DE, BP4/DE).

Applicable to the following models				
Model Number	Description	Tube Size	Volts	
VIV-T8BPSP4/15W/--/F/DE/347V	Bypass 4ft 15W --K Frost Shatterproof Single & Double Ended 347V	48"	347V	
VIV-T8BPSP4/10.5W/--/F/DE	Bypass 4ft 10.5W --K Frost Shatterproof Single & Double Ended	48"	120-277V	
VIV-T8BP4/15W/--/F/DE	Bypass 4ft 15W --K Frost Single & Double Ended	48"	120-277V	
VIV-T8BPSP4/18W/--/F/DE	Bypass 4ft 18W --K Frost Shatterproof Single & Double Ended	48"	120-277V	



Typical Ballast Configurations



Removing Existing Fluorescent System

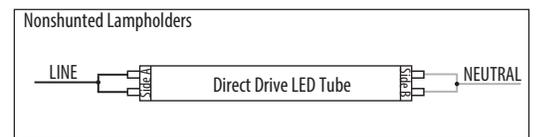
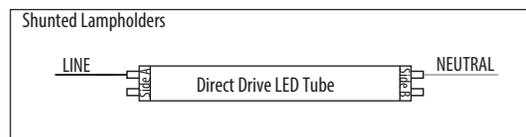
1. Disconnect power from fixture.
2. Remove fluorescent lamp(s).
3. Remove lens and wiring compartment, if applicable.
4. Cut all wires connected to the ballast as shown in Diagrams A, B, and C.
5. Identify what type of lampholders are in fixture. Double-Ended wiring installations of VIV-T8BPSP4/DE tube can be used with shunted G13 or nonshunted G13 lampholders (with instructions to externally shunt). See Figures 1 and 2.

Installing the Lamps-Double Ended

- I. Confirm that power is still disconnected from fixture.
- II. Make sure fixture is properly grounded.
- III. Follow step 1 for single lamp application or steps 2 & 3 for multiple lamp application, based on the number of lamps in the fixture:

Single Lamp

1. From AC wires, connect line (L) to Side A lampholder and neutral (N) to Side B lampholder. If only one lamp is being installed, proceed to step 4.

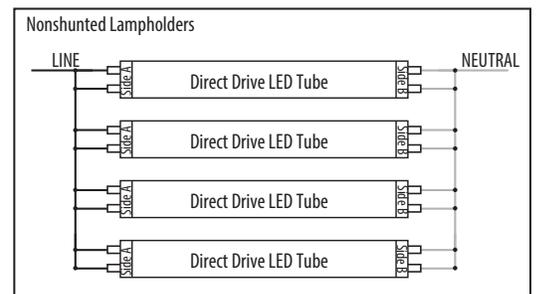
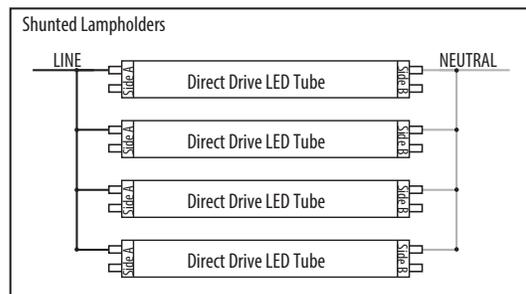


Multiple Lamps

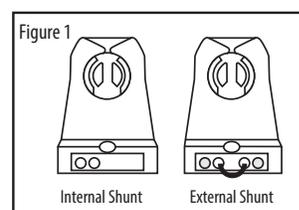
2. Follow the steps above for single lamp connection to connect the first lamp.
3. Connect the terminals from the first lamp to the matching terminals on the lampholder of the second lamp with line and neutral wires as shown below. Continue daisy-chain connection for each additional lamp.
4. Complete all electrical connections with appropriate connectors/wire nuts as needed, per all local and national electrical codes.

NOTE: There should not be any exposed wires from sockets left unconnected.

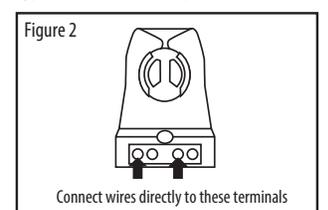
5. Replace wiring compartment cover.
6. Install all of the VIV-T8BPSP4/DE or VIV-T8BP4/DE tubes. Install LED tubes so that the LEDs are pointed in the proper direction for illumination, and install any lens or diffuser as applicable.
7. Apply power to fixture and check for illumination.



Typical Shunted Lampholders



Typical Non-Shunted Lampholder



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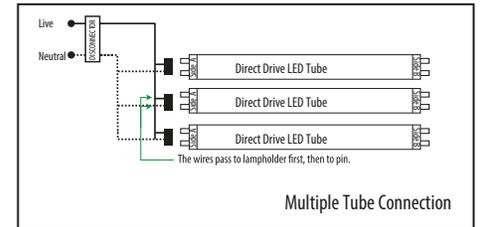
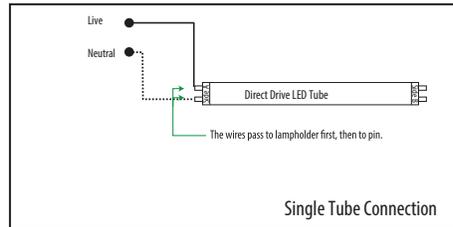
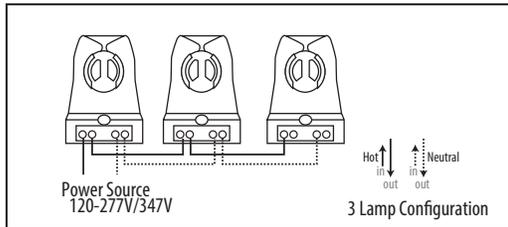
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VIVID™ T8 LED ByPass Single&Double-Ended Tube (BPSP4/DE, BP4/DE)

Please read this installation manual carefully, it contains important information and notes regarding the installation and operation of VIVID T8 LED ByPass Double-Ended Tube (BPSP4/DE, BP4/DE).

Installing the Lamps-Single Ended (Non-Shunted)

1. Read all WARNING/CAUTIONS before continuing this section.
2. Disconnect power at the source.
3. Remove lens if applicable, remove cover and fluorescent tubes.
4. Cut all wires that connect ballast. Properly discard ballast or cap off wires.
5. Replace lamp holders at power end with supplied non-shunted lamp holders.
6. Connect hot wire from power source into supplied non-shunted Lamp Holder "Hot In".
7. Connect neutral wire from power source into supplied non-shunted Lamp Holder "Neutral In".
8. If installing multiple lamps, continue reading. Otherwise skip to section 14.
9. Connect separate hot wire into "Hot Out" from primary source lamp holder and connect that wire into "Hot In" on the adjacent tube.
10. Connect separate neutral wire into "Neutral Out" from primary source lamp holder and connect that wire into "Neutral In" on the adjacent tube.
11. Continue this process for additional lamps.
12. Do not wire opposite end of lamp holder.
13. Install lamp with the Turolight logo (driver side) into the wired end.
14. Visibly affix "Modification Sticker" and reinstall housing cover and lens if applicable.
15. Return power back to source and installation is now completed.



Note: The luminaire shall only mount max. 4 tubes.