

LED LAMP

VIVID Series

Bypass T8 Lamp



VIV-T8BPSP4, VIV-T8BP4 (Double-ended & Single-ended) VIV-T8BPSP/Dim (Single-ended)



Features & Benefits

DLC approved, Dimmable*, PET film, ShatterProtect¹

External ballast not required

Both Double-ended and Single-ended applicable installation (only single-ended for VIV-T8BPSP/Dim)

Our safety features allow for installation as well as misapplication protection²

High CRI (82+), 50,000 hour life (L70)

NSF/ANSI 2 certified** (except T8BP4/15W)

Use existing lamp holders (non-shunted or shunted)

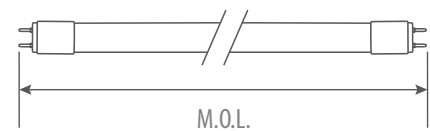
Suitable for splash zones of food equipment

*For applicable models, see product specification below

¹ ShatterProtect utilizes PET film to reduce the unexpected risk of shattering

² Contact your local Turolight representative for detail

Dimensional drawing



Warranty & Cautions

5-year limited warranty

Operating temperature range between -20°C and +45°C

UL/cUL listed, RoHS compliant

** Need to work with NSF certified lighting fixtures.

Ordering Information Example: VIV-T8BPSP4/18W/30/F/DE/3FT

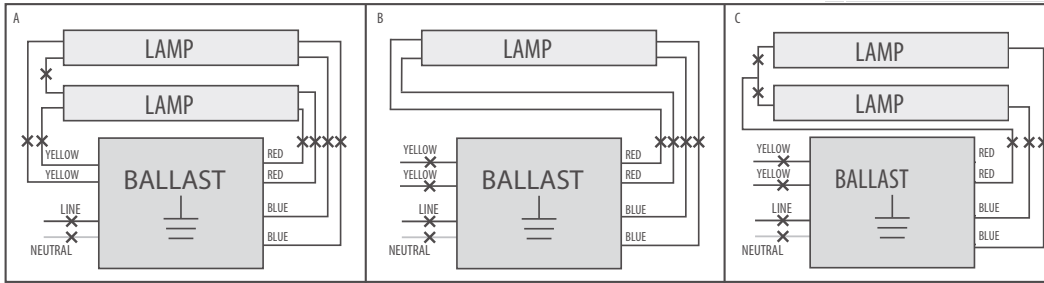
LED CLASS	LAMP TYPE	Bypass, Shatterproof	WATTAGE	CCT(K)	FROST	INSTALLATION	INPUT VOLTAGE	LENGTH
VIV (Vivid)	T8	BPSP4 (Bypass, PET film, 4 th Version) BP4 (Bypass, 4 th Version) BPSP (Bypass, PET film, Dimmable)	10.5W 15W 18W	30 (3000K) 35 (3500K) 40 (4000K) 50 (5000K)	F	DE (Single & Double-ended)	Blank (120-277V) 347V	Blank (48") 3FT (36")

Product Specification

Ordering Code	DLC	Model Number	Watts (W)	Voltage (V)	Initial Lumen (lm)	Base	Hour Rating	Beam Angle	CCT(K)	CRI	M.O.L. (inch)	Case QTY.
1752206	Y	VIV-T8BPSP4/15W/30/F/DE/347V	15	347	2000	G13	50,000	180°	3000	82	48	25
1752302	Y	VIV-T8BPSP4/15W/35/F/DE/347V	15	347	2050	G13	50,000	180°	3500	82	48	25
1752400	Y	VIV-T8BPSP4/15W/40/F/DE/347V	15	347	2200	G13	50,000	180°	4000	82	48	25
1752500	Y	VIV-T8BPSP4/15W/50/F/DE/347V	15	347	2200	G13	50,000	180°	5000	82	48	25
1762037	Y	VIV-T8BPSP4/10.5W/30/F/DE	10.5	120-277	1600	G13	50,000	180°	3000	82	48	25
1762372	Y	VIV-T8BPSP4/10.5W/35/F/DE	10.5	120-277	1600	G13	50,000	180°	3500	82	48	25
1762893	Y	VIV-T8BPSP4/10.5W/40/F/DE	10.5	120-277	1700	G13	50,000	180°	4000	82	48	25
1762558	Y	VIV-T8BPSP4/10.5W/50/F/DE	10.5	120-277	1700	G13	50,000	180°	5000	82	48	25
1752204	Y	VIV-T8BPSP4/12W/30/F/DE/3FT	12	120-277	1450	G13	50,000	180°	3000	82	36	25
1752300	Y	VIV-T8BPSP4/12W/35/F/DE/3FT	12	120-277	1450	G13	50,000	180°	3500	82	36	25
1752401	Y	VIV-T8BPSP4/12W/40/F/DE/3FT	12	120-277	1550	G13	50,000	180°	4000	82	36	25
1752501	Y	VIV-T8BPSP4/12W/50/F/DE/3FT	12	120-277	1550	G13	50,000	180°	5000	82	36	25
1763238	Y	VIV-T8BPSP4/18W/30/F/DE	18	120-277	2050	G13	50,000	180°	3000	82	48	25
1763319	Y	VIV-T8BPSP4/18W/35/F/DE	18	120-277	2050	G13	50,000	180°	3500	82	48	25
1763440	Y	VIV-T8BPSP4/18W/40/F/DE	18	120-277	2100	G13	50,000	180°	4000	82	48	25
1763518	Y	VIV-T8BPSP4/18W/50/F/DE	18	120-277	2200	G13	50,000	180°	5000	82	48	25
1762036	Y	VIV-T8BP4/15W/30/F/DE	15	120-277	1650	G13	50,000	220°	3000	82	48	25
1762371	Y	VIV-T8BP4/15W/35/F/DE	15	120-277	1700	G13	50,000	220°	3500	82	48	25
1762892	Y	VIV-T8BP4/15W/40/F/DE	15	120-277	1750	G13	50,000	220°	4000	82	48	25
1762557	Y	VIV-T8BP4/15W/50/F/DE	15	120-277	1800	G13	50,000	220°	5000	82	48	25
Dimmable												
1763425	Y	VIV-T8BPSP/18W/40/F/D	18	120-277	1800	G13	50,000	180°	4000	83	48	25
1763509	Y	VIV-T8BPSP/18W/50/F/D	18	120-277	1900	G13	50,000	180°	5000	83	48	25

VIV-T8BPSP4, VIV-T8BP4 (Double-ended & Single-ended), VIV-T8BPSP/Dim (Single-ended)

Installation Guide Typical Ballast Configurations



X Indicates Where to Cut Existing Wiring

Removing Existing Fluorescent System

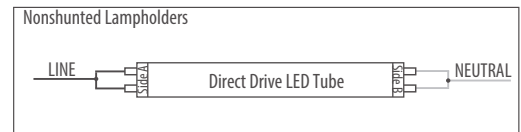
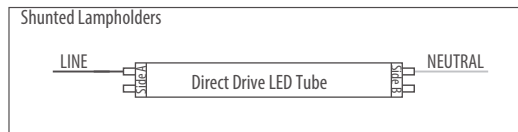
1. Disconnect power from fixture.
2. Remove fluorescent lamp(s).
3. Remove lens and wiring compartment, if applicable.
4. Cut all wires connected to the ballast as shown in Diagrams A, B, and C.
5. Identify what type of lampholders are in fixture. Double-Ended wiring installations of VIV-T8BPSP4/DE tube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

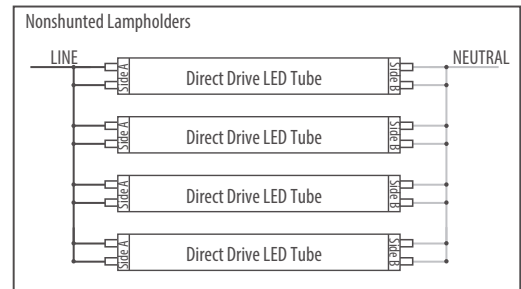
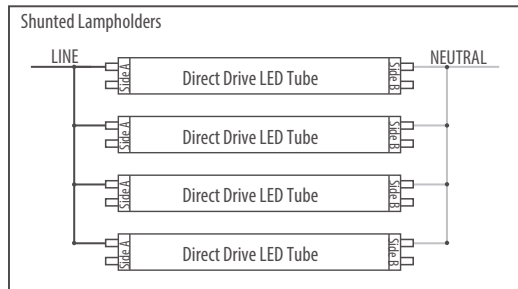


Multiple Lamps

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.

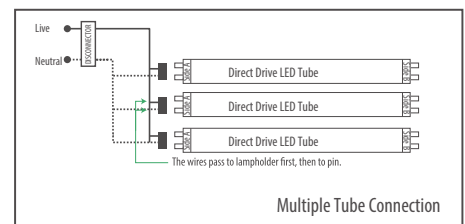
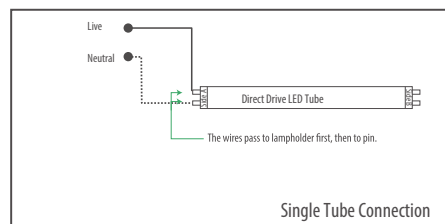
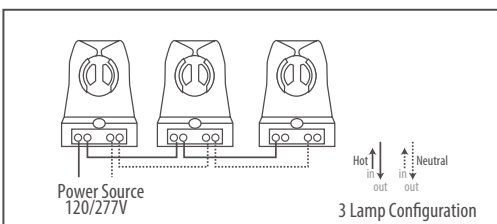
5. Replace wiring compartment cover.
6. Install all of the VIV-T8BPSP4/DE tubes. Install LED tubes so that the LEDs are pointed in the proper direction for illumination, and install any lens or diffuser as applicable.



Installing the Lamps-Single Ended (Non-Shunted)

1. Read all WARNING/CAUTIONS before continuing this section.
2. Ensure fixture is 120-277V.
3. Disconnect power at the source.
4. Remove lens if applicable, remove cover and fluorescent tubes.
5. Cut all wires that connect ballast. Properly discard ballast or cap off wires.
6. Replace lamp holders at power end with supplied non-shunted lamp holders.
7. Connect hot wire from power source into supplied non-shunted Lamp Holder "Hot In".
8. Connect neutral wire from power source into supplied non-shunted Lamp Holder "Neutral In".
9. If installing multiple lamps, continue reading. Otherwise skip to section 14.
10. Connect separate hot wire into "Hot Out" from primary source lamp holder and connect that wire into "Hot In" on the adjacent tube.

11. Connect separate neutral wire into "Neutral Out" from primary source lamp holder and connect that wire into "Neutral In" on the adjacent tube.
12. Continue this process for additional lamps.
13. Do not wire opposite end of lamp holder.
14. Install lamp with the Turolight logo (driver side) into the wired end.
15. Visibly affix "Modification Sticker" and reinstall housing cover and lens if applicable.
16. Return power back to source and installation is now completed.



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