KEYSTONE
SINCE 1945
LIGHT MADE EASY®

DIRECTDRIVE D2
DOUBLE-ENDED LINE VOLTAGE LED TUBES

KT-LED18T8HO-48G-850-D2
T8 LED LAMP

DESCRIPTION

18W LED T8 HO Lamp, 4ft long, Glass Construction **l** R17D Socket **l** 5000K
120-277V Input **l** Interal Driver **l** Direct Drive

CLASSIFIED c(UL)us | UL® | RoHS Compliant | 5 YEAR WARRANTY

LAMP TYPE: Linear	
BULB TYPE: T8 HO Lamp	
BASE TYPE: R17D Socket	
WATTAGE: 18W	
COLOR TEMPERATURE: 5000K	
COLOR RENDERING INDEX (CRI): >82	
WARRANTY: 5 Years	

PRODUCT FEATURES

- Replacement for conventional fluorescent lamp
- 50,000+ hour lifetime
- Approximately 40% more energy efficient than standard F32T8 lamps
- Environmentally friendly: No mercury used
- Instant startup

- Frosted lens eliminates pixelation
- Integral driver (isolated) eliminates the need for external driver or ballast
- UL classified

PERFORMANCE SPECIFICATIONS

Catalog Number	Input Voltage	Input Current	Wattage	Color Temperature	Lumen Output	CRI	Power Factor	Efficacy
KT-LED18T8HO-48G-850-D2	120–277V	170mA	18W	5000K	2500 lm	>82	>0.9	139 lm/W

PHOTOMETRIC CHARACTERISTICS

Color Temperature (CCT)	5000K
Luminous Flux	2500 lm
Color Rendering Index (CRI)	>80
Efficacy	139 lm/W
Beam Angle	220º
Visible Light Area	320º

MECHANICAL CHARACTERISTICS

Rated Life (L70)	50,000 hours
Wiring	Double-ended

SPECTRAL DISTRIBUTION

DIRECTDRIVE D2
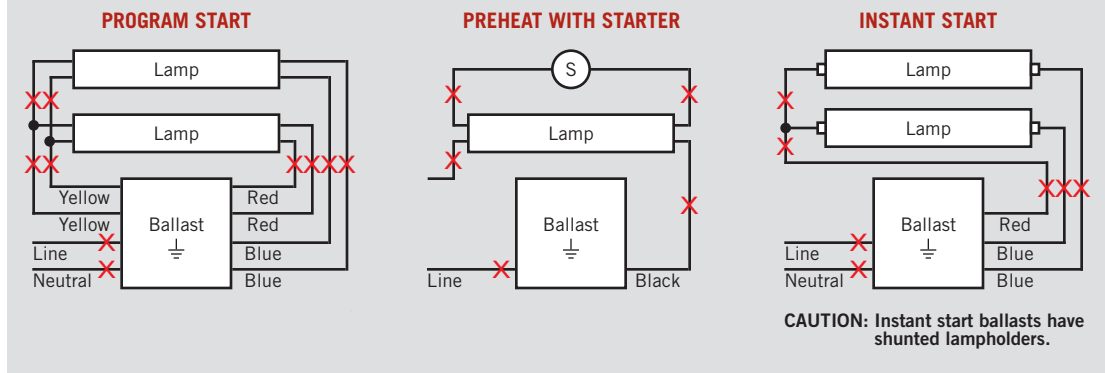DOUBLE-ENDED LINE VOLTAGE LED TUBES
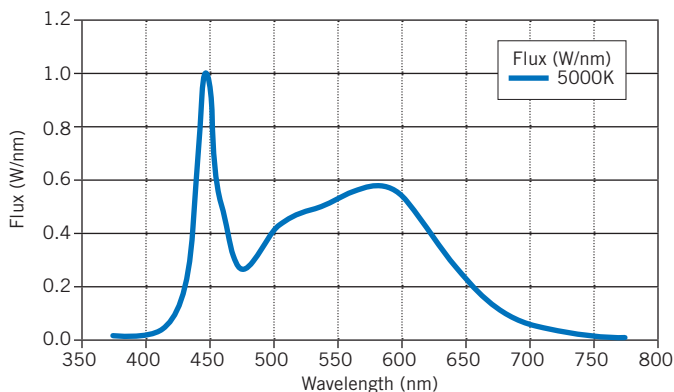
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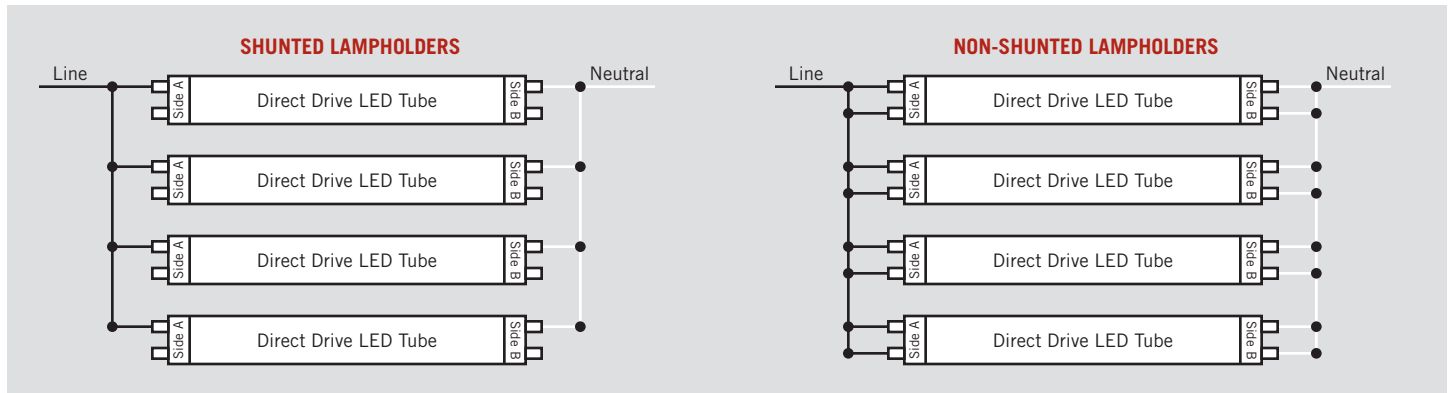## T8 LED LAMP

WIRING DIAGRAMS

1. Cut all existing connections to ballast as shown below and remove ballast.
See *Figure A* for typical ballast configurations.

FIGURE A TYPICAL BALLAST CONFIGURATIONS

PROGRAM START

PREHEAT WITH STARTER

INSTANT START

CAUTION: Instant start ballasts have shunted lampholders.
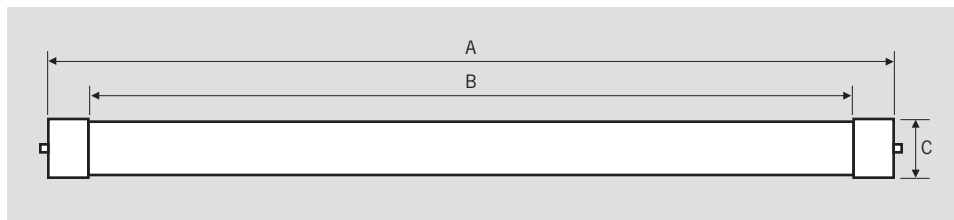
2. Re-wire fixture as shown below. For double-ended wiring, use either shunted or nonshunted lampholders.

NOTE: There should not be any exposed wires at the end of installation.

SHUNTED LAMPHOLDERS

NON-SHUNTED LAMPHOLDERS

PHYSICAL CHARACTERISTICS

LAMP DIMENSIONS

A (Body Length)	45.91"
B (Illuminated Length)	40.40"
C (Diameter)	1.14"

NOMINAL LENGTH: 48"
BASE TYPE: R17D socket

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ORDERING INFORMATION

ORDER CODE	CARTON QUANTITY	UPC	EASY CODE
KT-LED15T8-48G-850-D2	25	843654133829	OUU-79

CATALOG NUMBER BREAKDOWN

KT-LED18T8HO-48G-850-D2
1   2   3   4   5 6 7 8   9

1 **Keystone Technologies**
2 **LED Lamp**
3 **Wattage**
4 **Lamp Type**
5 **Nominal Length (Inches)**
6 **Glass Construction**
7 **CRI**
8 **Color Temperature**
9 **Double-Ended Wiring**