KEYSTONE
SINCE 1945
LIGHT MADE EASY®

DIRECTDRIVE LED
LINE VOLTAGE T8 TUBES
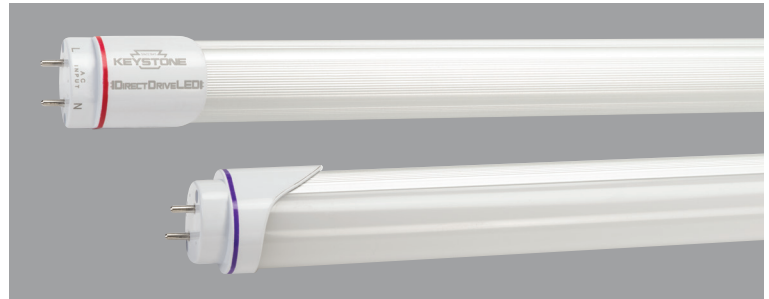
KT-LED18T8-48P-840-D-VDIM
DIMMABLE T8 LED LAMP

DESCRIPTION

0–10V Dimmable DirectDrive T8 LED Tube **I** 4000K **I** >80 CRI **I** 120–277V Input

LAMP TYPE: Linear	
BULB TYPE: T8 LED	
BASE TYPE: G13 (Medium Bi-Pin)	
WATTAGE: 18W	
COLOR TEMPERATURE: 4000K	
DIMMING TYPE: 0–10V	
WARRANTY: 5 Years	

CLASSIFIED c(UL)us RoHS Compliant 5YEAR WARRANTY

PRODUCT FEATURES

• Dimmable via 0–10V dimming controls, dim-to-off below 5%

• Replacement for conventional fluorescent lamp

• 50,000+ hour lifetime

• Approximately 40% more energy efficient than standard F32T8 lamps

• Environmentally friendly: No mercury used

• Instant start up

• Frosted lens eliminates pixelation

• UL classified

• Operating temperature: –20ºC/–4ºF to 55ºC/131ºF

• Integral driver (non-isolated), eliminates the need for external driver or ballast

• 100+ lumens per watt

• Plastic/Aluminum construction

OPERATING SPECIFICATIONS

ELECTRICAL CHARACTERISTICS

Input Voltage	Power Consumption	Power Factor	Input Current
120–277Vac	18W	>0.9	0.15A @ 120V 0.07A @ 277V

PHOTOMETRIC CHARACTERISTICS

Color Temperature (CCT)	4000K
Luminous Flux	2000 lm
Color Rendering Index (CRI)	>80
Efficacy	111 lm/W
Beam Angle	120º

RATED LIFE

L70 (Hours)	50,000

SPECTRAL DISTRIBUTION
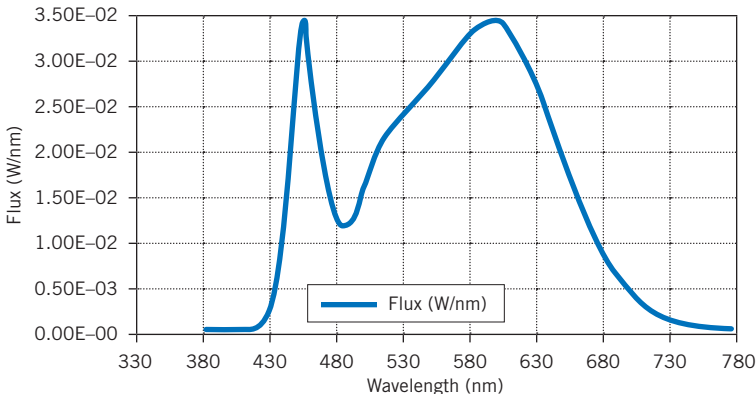
POLAR CANDELA DISTRIBUTION

Maximum Candela:
1248.55
Located at:
Horizontal Angle = 0
Vertical Angle = 0

1 Violet
Vertical Plane through Horizontal Angles (90–270)

2 Green
Vertical Plane through Horizontal Angles (0–180)

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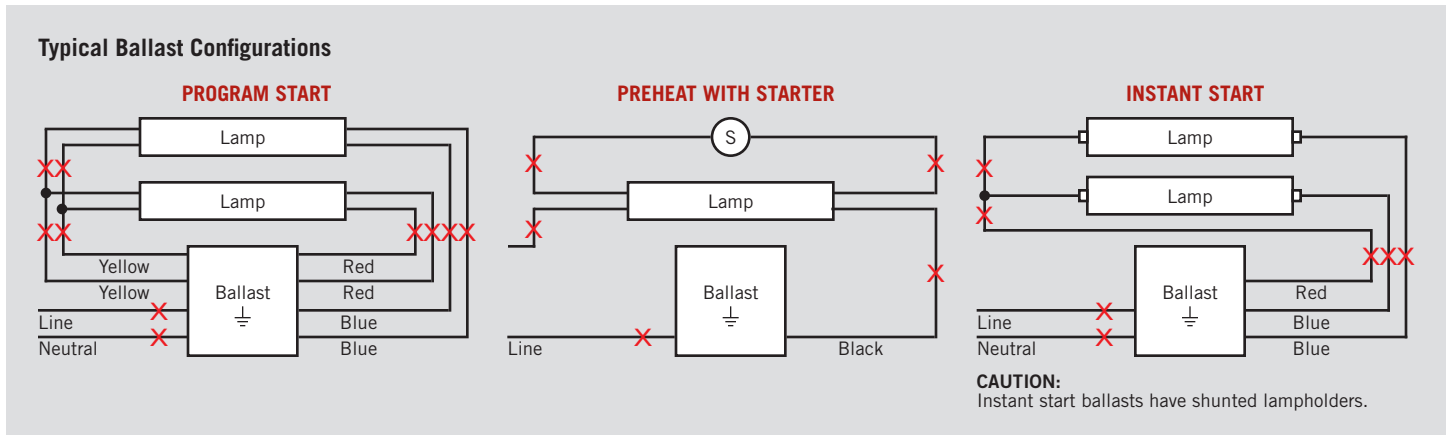LIGHT MADE EASY®
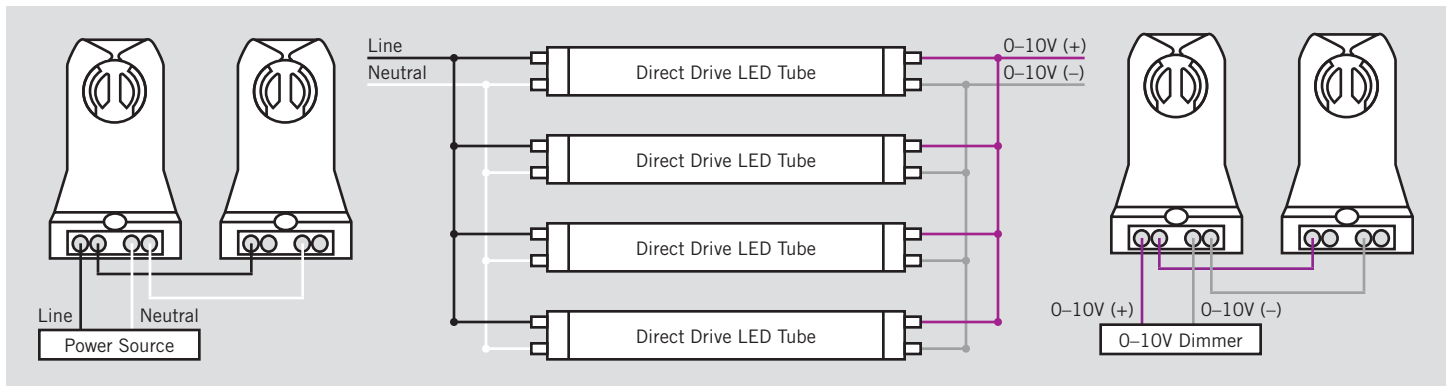
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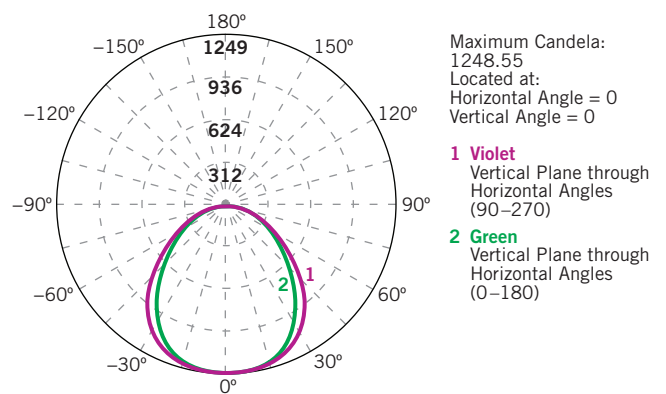
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WIRING INSTRUCTIONS

1. Cut all existing connections to ballast as shown below and remove ballast.

Typical Ballast Configurations

PROGRAM START

PREHEAT WITH STARTER

INSTANT START

CAUTION:
Instant start ballasts have shunted lampholders.

2. Rewire fixture as shown below.

TYPICAL NON-SHUNTED LAMPHOLDER
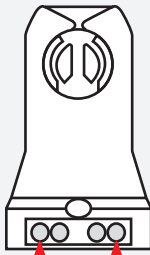
Connect wires directly to these terminals

CAUTION: USE *ONLY* NON-SHUNTED LAMPHOLDERS.

Do not install product in a fixture with shunted lampholders (found in all fixtures using instant start ballasts). If the current lampholders are shunted, remove them and replace them with non-shunted lampholders. Make new connections directly to terminals as indicated to the left.

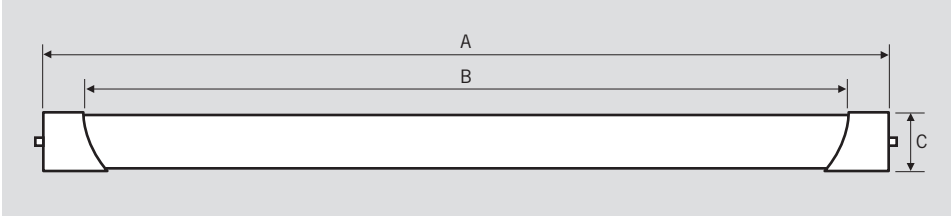Keystone can provide any style replacement lampholders.

Call us at 800-464-2680.

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LINE VOLTAGE T8 TUBES

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DIMMABLE T8 LED LAMP

PHYSICAL CHARACTERISTICS

LAMP DIMENSIONS

A (Body Length)	47.15"
B (Illuminated Length)	45.70"
C (Cross-section: Width × Height)	1.08" × 1.25"

NOMINAL LENGTH: 48"
BASE TYPE: G13 (Medium Bi-Pin)

ORDERING INFORMATION

ORDER CODE	PACK QTY.	ITEM STATUS
KT-LED18T8-48P-840-D-VDIM	20	Quick Ship

CATALOG NUMBER BREAKDOWN

KT-LED18T8-48P-840-D-VDIM
1   2   3   4   5   6   7   8   9   10

1 **Keystone Technologies**
2 **LED Lamp**
3 **Wattage**
4 **Lamp Type**
5 **Nominal Length (Inches)**
6 **Plastic/Aluminum Case**
7 **800 Series**
8 **Color Temperature**
9 **DirectDrive Series**
10 **0–10V Dimming**