



KT-LED18T8-48P-850-D-VDIM

DIMMABLE T8 LED LAMP

DESCRIPTION

0-10V Dimmable DirectDrive T8 LED Tube | 5000K | >80 CRI | 120-277V Input



LAMP TYPE: Linear
BULB TYPE: T8 LED
BASE TYPE: G13 (Medium Bi-Pin)
WATTAGE: 18W
COLOR TEMPERATURE: 5000K
DIMMING TYPE: 0-10V
WARRANTY: 5 Years



PRODUCT FEATURES

- Dimmable Via 0-10V Dimming Controls
- 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: -20°C/-4°F to 55°C/131°F
- 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

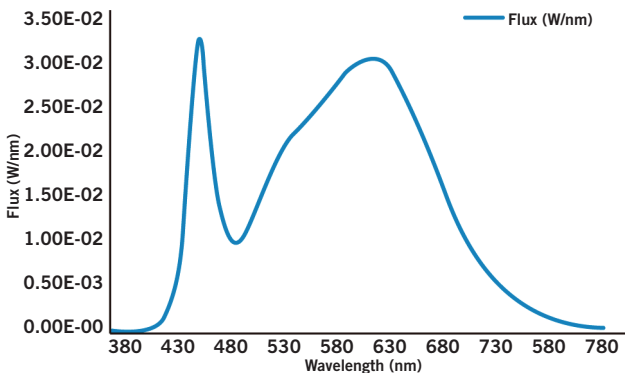
PHOTOMETRIC CHARACTERISTICS

Color Temperature (CCT)	5000K
Luminous Flux	2100 lm
Color Rendering Index (CRI)	>80
Efficacy	117 lm/W
Beam Angle	120°

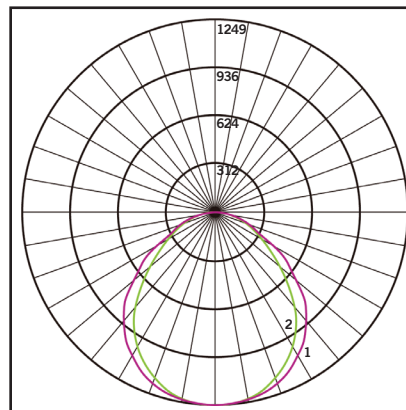
RATED LIFE

L70 (Hours)	50,000
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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)



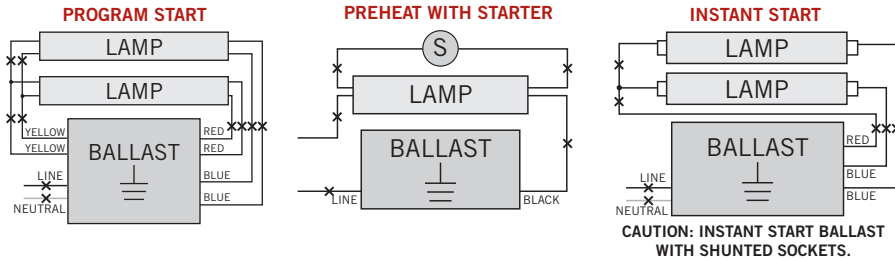
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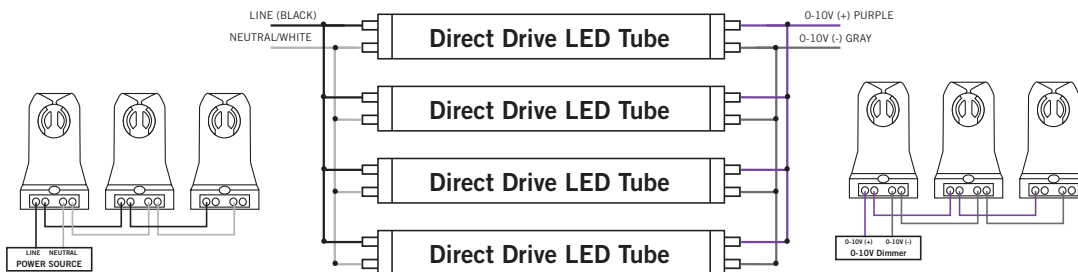
WIRING DIAGRAMS

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

Typical Ballast Configurations:



2. Re-wire fixture as shown below.



Typical Non-Shunted Lampholder

Connect wires directly to these terminals

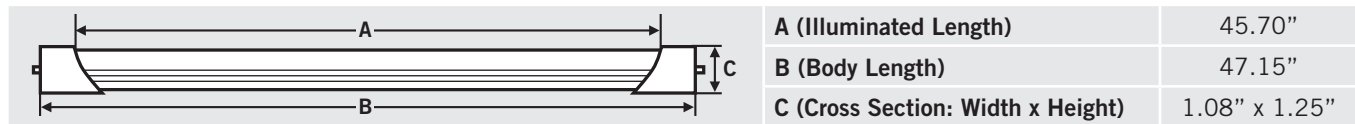
CAUTION: Use only non-shunted lampholders.

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 above.

Keystone can provide any style replacement lampholders.
Call us at 800-464-2680.

PHYSICAL CHARACTERISTICS

LAMP DIMENSIONS



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

ORDERING INFORMATION

ORDER CODE	PACKAGING STYLE	PACK QTY.	ITEM STATUS
KT-LED18T8-48P-850-D-VDIM-CP	Carton Pack (Egg Crate Packaging)	20	Quick Ship
KT-LED18T8-48P-850-D-VDIM-DP	Distributor Pack (Individual Cartons)	20	Quick Ship

CATALOG NUMBER BREAKDOWN

KT-LED18T8-48P-850-D VDIM-CP

