KEYSTONE
SINCE 1945

DIRECTDRIVE LED
LINE VOLTAGE T8 TUBES

KT-LED7T8-18GC-850-D
T8 LED LAMP

DESCRIPTION

7W T8 LED **I** 5000K **I** >83 CRI **I** High Efficiency

LAMP TYPE: Linear	
BULB TYPE: T8 LED	
BASE TYPE: G13 (Medium Bi-Pin)	
WATTAGE: 7W	
COLOR TEMPERATURE: 5000K	
COLOR RENDERING INDEX (CRI): >83	
WARRANTY: 5 Years	

PRODUCT FEATURES

- Replacement for Conventional Fluorescent Lamp
- 50,000+ Hour Lifetime
- Environmentally Friendly: No Mercury Used
- Instant Startup
- Frosted Lens Eliminates Pixelation
- UL Classified

- Operating Temperature: -20ºC/-4ºF to 45ºC/113ºF
- Integral Driver (Isolated), Eliminates the Need for External Driver or Ballast
- 100+ Lumens per Watt
- Improved Lamp Durability with Shatterproof Coated Glass

OPERATING SPECIFICATIONS

ELECTRICAL CHARACTERISTICS

Input Voltage	Power Consumption	Power Factor	Input Current
120-277Vac	7W	>0.9	0.06A @ 120V 0.03A @ 277V

RATED LIFE

L70 (Hours)	
	50,000

PHOTOMETRIC CHARACTERISTICS

Color Temperature (CCT)	5000K
Luminous Flux	800 lm
Color Rendering Index (CRI)	>83
Efficacy	114 lm/W
Beam Angle	240º
Visible Light Area	325º

SPECTRAL DISTRIBUTION
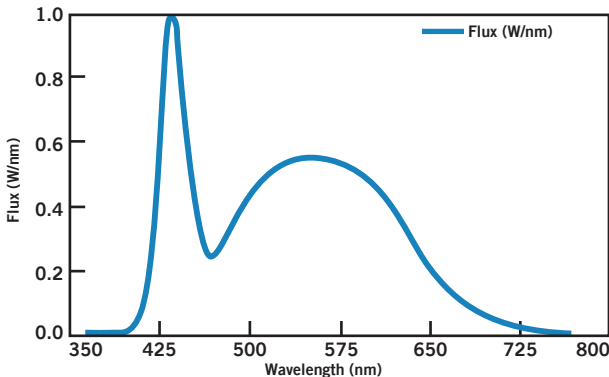
POLAR CANDELA DISTRIBUTION
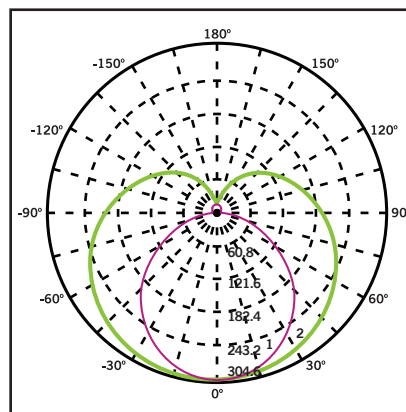
Maximum Candela = 1248.55
Located at Horizontal Angle = 0,
Vertical Angle 0

1. **Violet** Vertical Plane through Horizontal Angles (90-270)
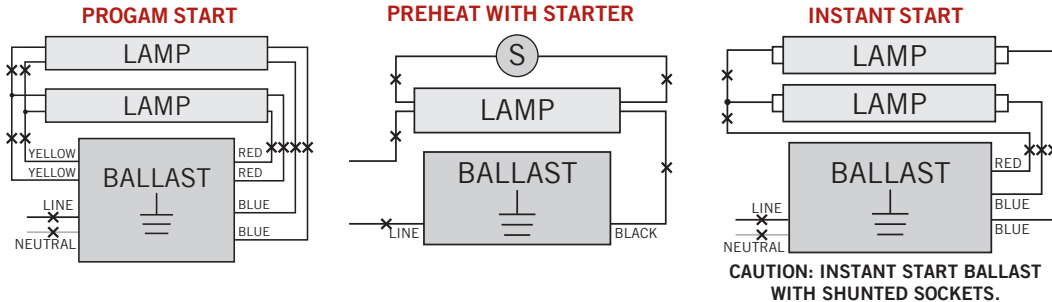
2. **Green** Vertical Plane through Horizontal Angles (0-180)

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WIRING DIAGRAMS

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

Typical Ballast Configurations:

PROGAM START

PREHEAT WITH STARTER

INSTANT START

CAUTION: INSTANT START BALLAST WITH SHUNTED SOCKETS.
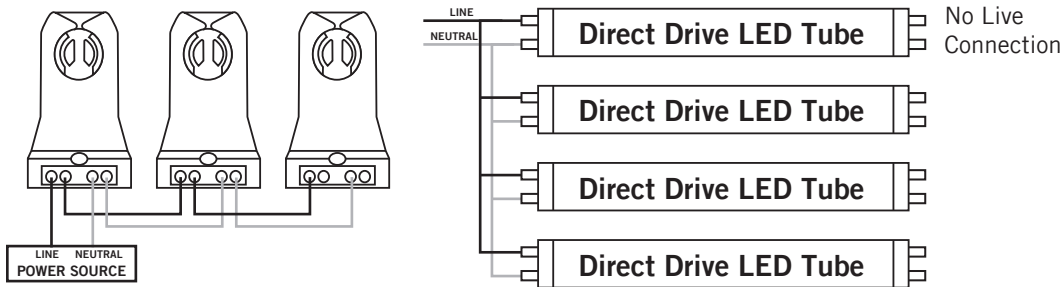
Typical Non-Shunted Lampholder

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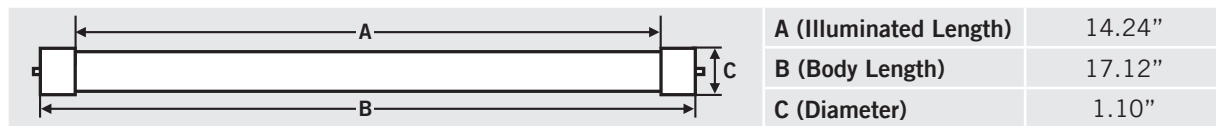
Keystone can provide any style replacement lampholders. Call us at 800-464-2680.

2. Re-wire fixture as shown below.

LINE NEUTRAL
POWER SOURCE

LINE
NEUTRAL

Direct Drive LED Tube — No Live Connection

Direct Drive LED Tube

Direct Drive LED Tube

Direct Drive LED Tube

PHYSICAL CHARACTERISTICS
LAMP DIMENSIONS

A (Illuminated Length)	14.24"
B (Body Length)	17.12"
C (Diameter)	1.10"

NOMINAL LENGTH: 18"   **BASE TYPE:** G13 (Medium Bi-Pin)

ORDERING INFORMATION

ORDER CODE	PACKAGING STYLE	PACK QTY.	ITEM STATUS
KT-LED7T8-18GC-850-D-CP	Carton Pack (Egg Crate Packaging)	25	Quick Ship
KT-LED7T8-18GC-850-D-DP	Distributor Pack (Individual Cartons)	12	Quick Ship

CATALOG NUMBER BREAKDOWN

KT-LED7T8-18GC-850-D-CP

KT	LED	7	T8	18	GC	850		D	CP
Keystone Technologies	LED Lamp	Wattage	Lamp Type	Nominal Length (Inches)	Shatter-Proof Coated Glass	800 Series	Color Temp.	Direct Drive Series	Packaging Style