KEYSTONE
SINCE 1945

DIRECTDRIVE LED
LINE VOLTAGE T8 TUBES

KT-LED7T8-24GC-835-D
T8 LED LAMP

DESCRIPTION
7W T8 LED **I** 3500K **I** >83 CRI **I** High Efficiency

LAMP TYPE: Linear	
BULB TYPE: T8 LED	
BASE TYPE: G13 (Medium Bi-Pin)	
WATTAGE: 7W	
COLOR TEMPERATURE: 3500K	
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; Listed on DLC Qualified Product List
- Operating Temperature: -20ºC/-4ºF to 45ºC/113ºF

- Integral Driver (Isolated), Eliminates the Need for External Driver or Ballast
- 110+ Lumens per Watt
- Improved Lamp Durability with Shatterproof Coated Glass, designed to pass drop tests of 6' on hard surface
- ETL Sanitation Listed NSF/ANSI Standard 2 - Food Equipment, Splash Zone (Not for Direct Food Zone without additional fixture considerations)

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)	3500K
Luminous Flux	850 lm
Color Rendering Index (CRI)	>83
Efficacy	121 lm/W
Beam Angle	240º
Visible Light Area	325º

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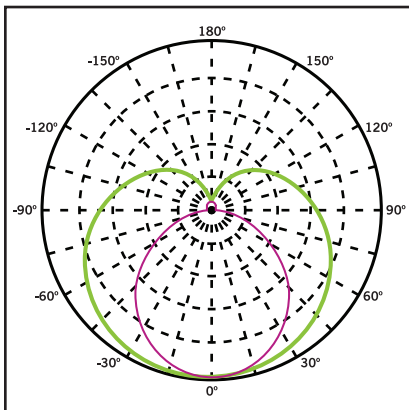
Maximum Candela = 1248.55
Located at Horizontal Angle = 0,
Vertical Angle 0

1. Violet Vertical Plane through Horizontal Angles (90-270)

2. Green Vertical Plane through Horizontal Angles (0-180)

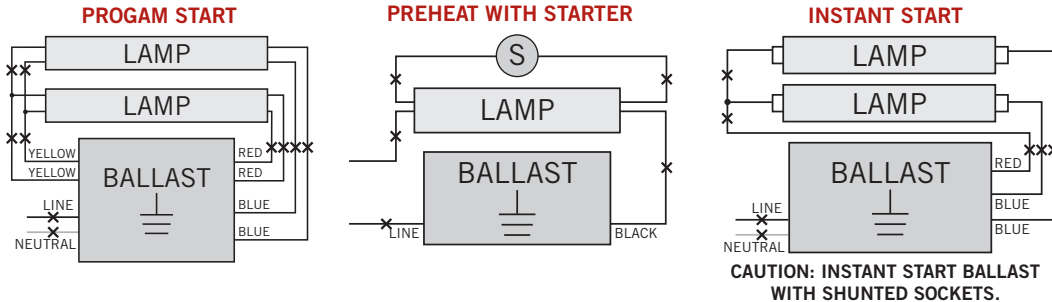**KEYSTONE** SINCE 1945 | **DIRECTDRIVE LED**
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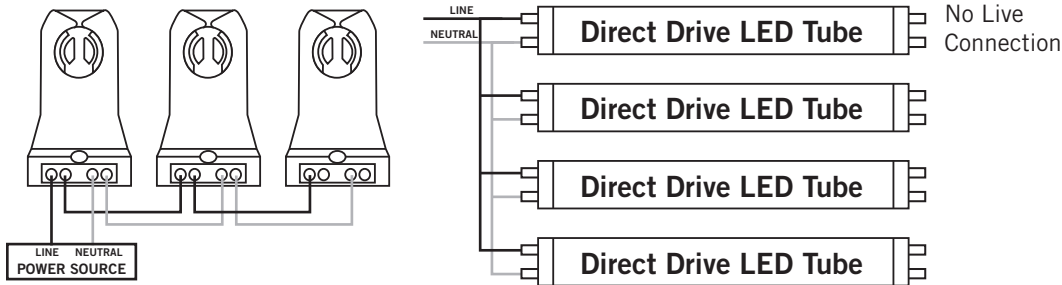## WIRING DIAGRAMS

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

Typical Ballast Configurations:

PROGAM START

LAMP
LAMP
YELLOW   RED
YELLOW   RED
BALLAST   BLUE
LINE   BLUE
NEUTRAL

PREHEAT WITH STARTER

S
LAMP
BALLAST
LINE   BLACK

INSTANT START

LAMP
LAMP
BALLAST   RED
LINE   BLUE
NEUTRAL   BLUE

CAUTION: INSTANT START BALLAST WITH SHUNTED SOCKETS.

Typical Non-Shunted Lampholder

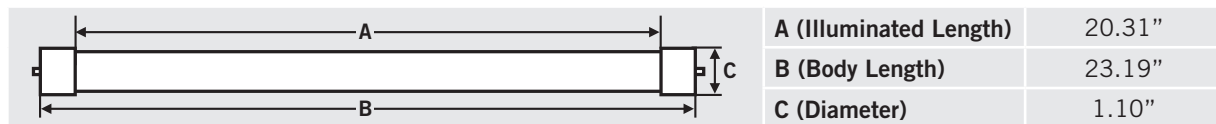**Connect wires directly to these terminals**

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)	20.31"
B (Body Length)	23.19"
C (Diameter)	1.10"

NOMINAL LENGTH: 24"   **BASE TYPE:** G13 (Medium Bi-Pin)

ORDERING INFORMATION

ORDER CODE	PACKAGING STYLE	PACK QTY.	ITEM STATUS
KT-LED7T8-24GC-835-D-CP	Carton Pack (Egg Crate Packaging)	25	Quick Ship
KT-LED7T8-24GC-835-D-DP	Distributor Pack (Individual Cartons)	12	Quick Ship

CATALOG NUMBER BREAKDOWN

KT-LED7T8-24GC-835-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