KEYSTONE *SINCE 1945*

DIRECTDRIVE LED
LINE VOLTAGE T8 TUBES

KT-LED12T8-36GC-850-D
T8 LED LAMP

DESCRIPTION

12W T8 LED **I** 5000K **I** >83 CRI **I** High Efficiency

LAMP TYPE: Linear	
BULB TYPE: T8 LED	
BASE TYPE: G13 (Medium Bi-Pin)	
WATTAGE: 12W	
COLOR TEMPERATURE: 5000K	
COLOR RENDERING INDEX (CRI): >83	
WARRANTY: 5 Years	

DLC • cULus • C UL US • RoHS Compliant • 5 YEAR WARRANTY

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: -20°C/-4°F to 45°C/113°F
- 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	12W	>0.9	0.108A @ 120V 0.043A @ 277V

RATED LIFE

L70 (Hours)	
	50,000

PHOTOMETRIC CHARACTERISTICS

Color Temperature (CCT)	5000K
Luminous Flux	1550 lm
Color Rendering Index (CRI)	>83
Efficacy	129 lm/W
Beam Angle	240°
Visible Light Area	325°

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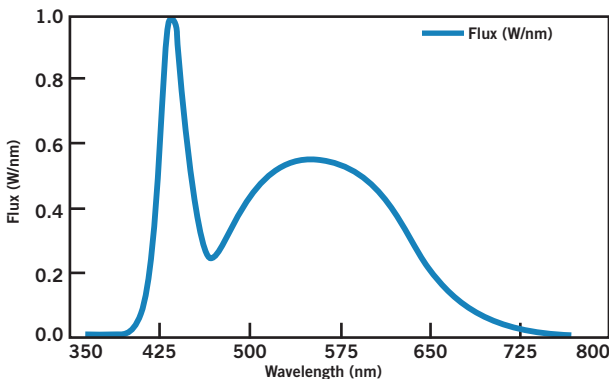
POLAR CANDELA DISTRIBUTION
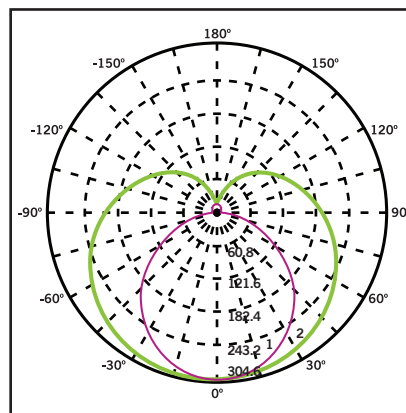
Maximum Candela = 1248.55
Located at Horizontal Angle = 0,
Vertical Angle 0

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

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

NOTE: Values representative of lamp performance manufactured with date code 1801 and newer.

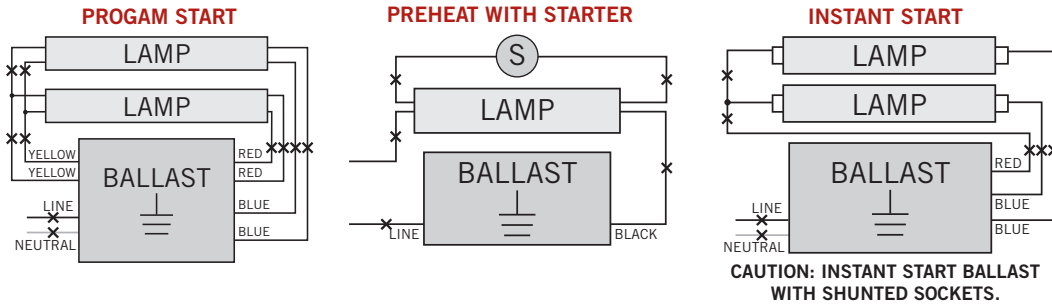**KEYSTONE** SINCE 1945 | **DirectDrive LED**
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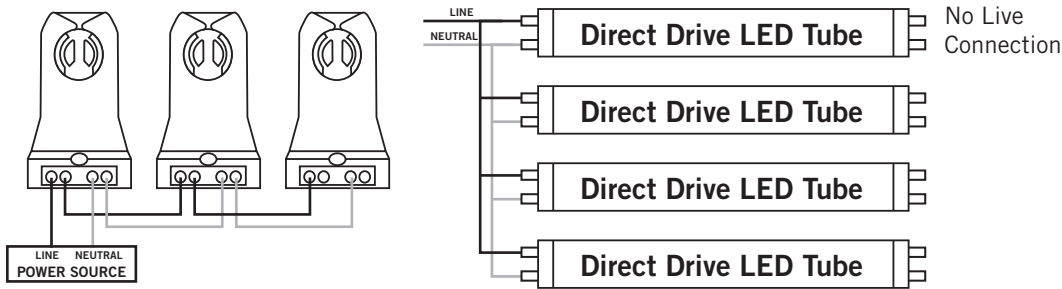### WIRING DIAGRAMS

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

Typical Ballast Configurations:

PROGAM START

PREHEAT WITH STARTER

INSTANT START

CAUTION: INSTANT START BALLAST WITH SHUNTED SOCKETS.

Typical Non-Shunted Lampholder
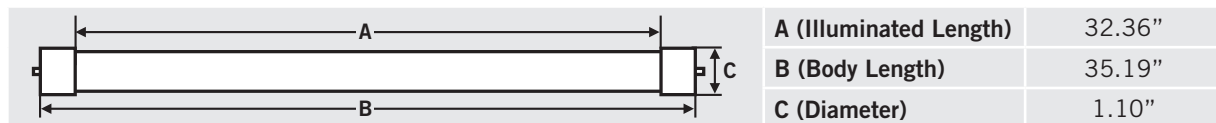
Connect wires directly to these terminals

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)	32.36"
B (Body Length)	35.19"
C (Diameter)	1.10"

NOMINAL LENGTH: 36"   **BASE TYPE:** G13 (Medium Bi-Pin)

ORDERING INFORMATION

ORDER CODE	PACKAGING STYLE	PACK QTY.	ITEM STATUS
KT-LED12T8-36GC-850-D-CP	Carton Pack (Egg Crate Packaging)	25	Quick Ship

CATALOG NUMBER BREAKDOWN

KT-LED12T8-36GC-850-D-CP
1   2   3   4   5   6   7   8   9   10

1 Keystone Technologies
2 LED Lamp
3 Max Output Wattage
4 Lamp Type
5 Nominal Length (inches)
6 Shatter-Proof Coated Glass
7 800 Series
8 Color Temp.
9 Direct Drive Series
10 Packaging Style