KEYSTONE SINCE 1945

DIRECTDRIVE LED
LINE VOLTAGE T8 TUBES

KT-LED12T8-36GC-835-D
T8 LED LAMP

DESCRIPTION
12W T8 LED **I** 3500K **I** >83 CRI **I** High Efficiency

LAMP TYPE: Linear	
BULB TYPE: T8 LED	
BASE TYPE: G13 (Medium Bi-Pin)	
WATTAGE: 12W	
COLOR TEMPERATURE: 3500K	
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: -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	12W	>0.9	0.108A @ 120V 0.043A @ 277V

RATED LIFE

L70 (Hours)	
	50,000

PHOTOMETRIC CHARACTERISTICS

Color Temperature (CCT)	3500K
Luminous Flux	1450 lm
Color Rendering Index (CRI)	>83
Efficacy	120 lm/W
Beam Angle	240º
Visible Light Area	325º

POLAR CANDELA DISTRIBUTION
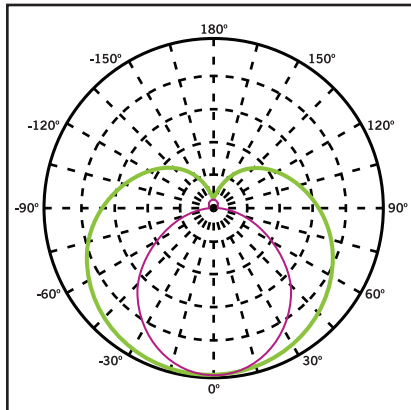
**Located at Horizontal Angle = 0,
Vertical Angle 0**

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.
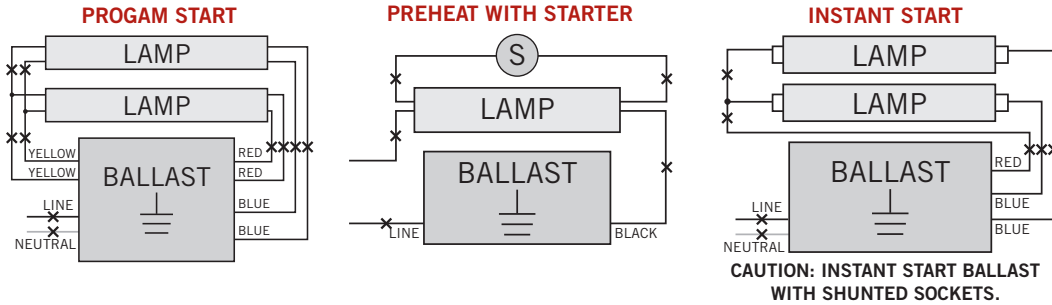
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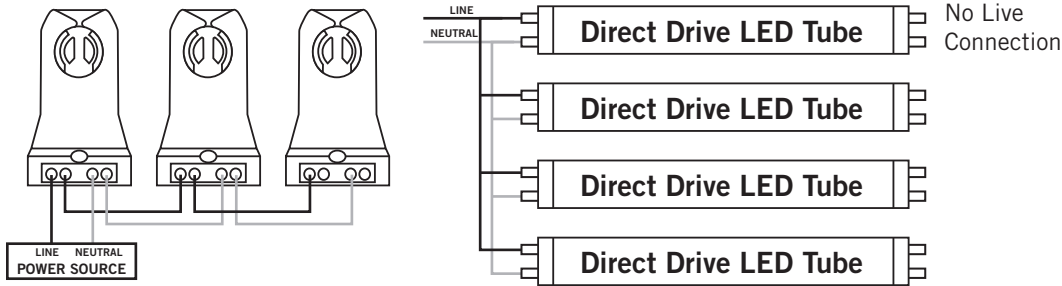LINE VOLTAGE T8 TUBES

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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.
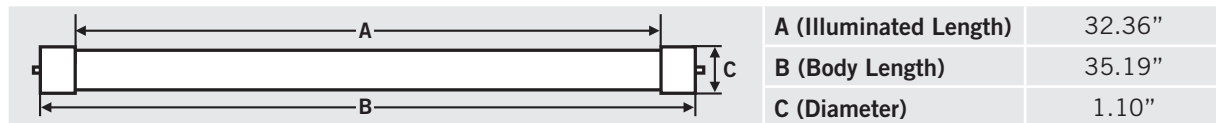
Typical Non-Shunted Lampholder

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

Direct Drive LED Tube
Direct Drive LED Tube
Direct Drive LED Tube
Direct Drive LED Tube

No Live Connection

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-835-D-CP	Carton Pack (Egg Crate Packaging)	25	Quick Ship

CATALOG NUMBER BREAKDOWN

KT-LED12T8-36GC-835-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