DIRECT DRIVE LED
LINE VOLTAGE T8 TUBES

KT-LED12T8-36GC-8XX-D
T8 LED LAMP

DESCRIPTION
12W T8 LED | 3000–5000K | >83 CRI | High Efficiency

Low Optical Flicker
Less Than 2%
Up to 400 Hz

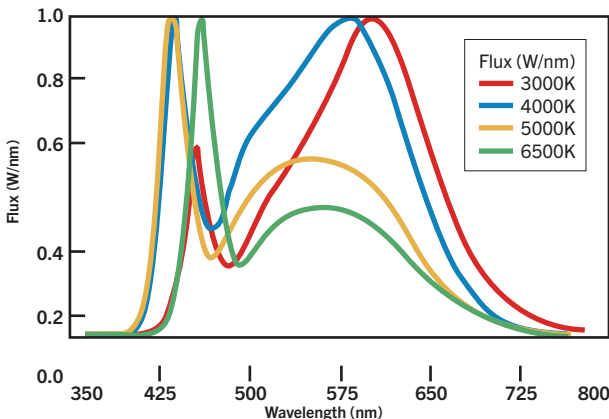|	
LAMP TYPE: Linear	
BULB TYPE: T8 LED	
BASE TYPE: G13 (Medium Bi-Pin)	
WATTAGE: 12W	
COLOR TEMPERATURE: 3000–5000K	
COLOR RENDERING INDEX (CRI): >83	
WARRANTY: 5 Years	

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: -20°C/-4°F to 45°C/113°F
- ETL Sanitation Listed NSF/ANSI Standard 2 - Food Equipment, Splash Zone (Not for Direct Food Zone without additional fixture considerations)

- Integral Driver (Isolated), Eliminates the Need for External Driver or Ballast
- 100+ Lumens per Watt
- Improved Lamp Durability with Shatterproof Coated Glass, designed to pass drop tests of 6' on hard surface
- UL Flicker Free Design from date code 1909K
- Lamp is dimmable when used with an appropriate dimming accessory (purchased separately). Contact Keystone for more details to find out what is best for the intended application.
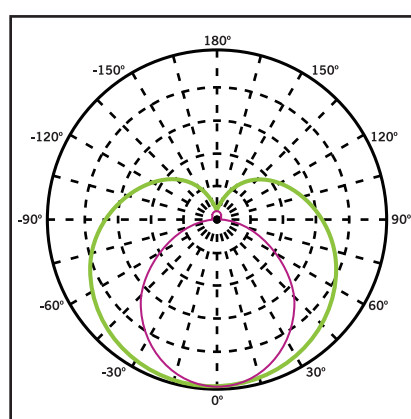
ELECTRICAL AND PERFORMANCE SPECIFICATIONS

Catalog Number	Input Voltage	Power Consumption	Color Temperature (CCT)	Luminous Flux	Efficacy	Beam Angle	Visible Light Area	Power Factor	Input Current	Rated Life
KT-LED12T8-36GC-830-D	120–277 Vac	12W	3000K	1450 lm	120 lm/W	240º	325º	>0.9	0.108A @ 120V 0.043A @ 277V	L70 (Hours) 50,000
KT-LED12T8-36GC-835-D			3500K	1450 lm	120 lm/W					
KT-LED12T8-36GC-840-D			4000K	1500 lm	125 lm/W					
KT-LED12T8-36GC-850-D			5000K	1550 lm	129 lm/W					
KT-LED12T8-36GC-865-D			6500K	1300 lm	108 lm/W					

PHOTOMETRIC SPECIFICATIONS
SPECTRAL DISTRIBUTION

Flux (W/nm)
- 3000K
- 4000K
- 5000K
- 6500K

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.

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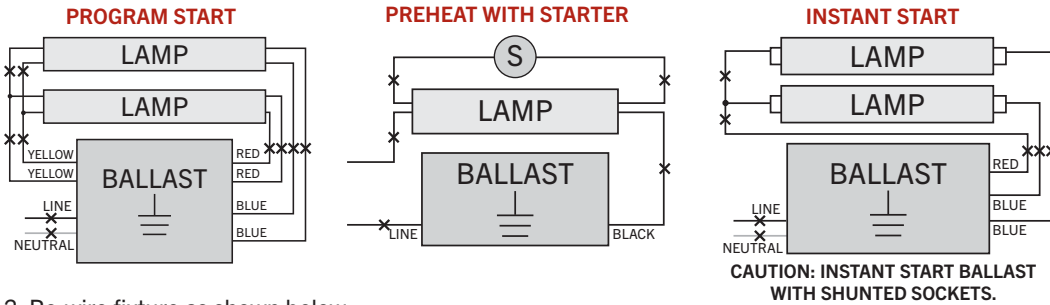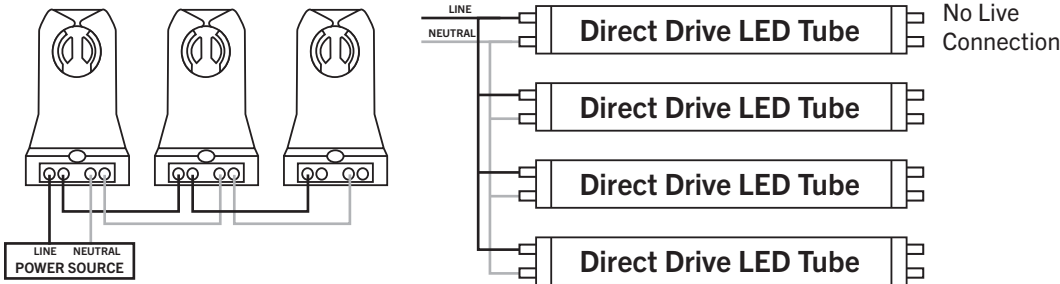
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T8 LED LAMP

WIRING DIAGRAMS

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

Typical Ballast Configurations:

PROGRAM START

PREHEAT WITH STARTER

INSTANT START

CAUTION: INSTANT START BALLAST WITH SHUNTED SOCKETS.

Typical Non-Shunted Lampholder
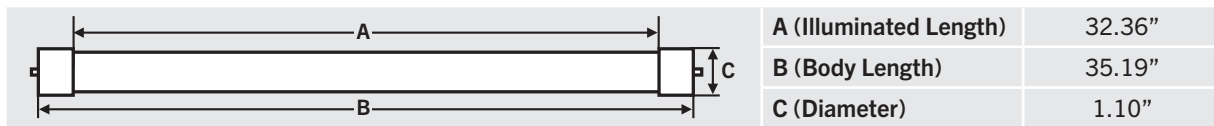
Connect wires directly to these terminals

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
Direct Drive LED Tube — No Live Connection
Direct Drive LED Tube
Direct Drive LED Tube
Direct Drive LED Tube

LINE   NEUTRAL
POWER SOURCE

PHYSICAL SPECIFICATIONS
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	PACK QTY.	EASY CODE	UPC	DLC PRODUCT ID
KT-LED12T8-36GC-830-D-CP	25	NPK-65	89094900930	PLTHSCLO6BU5
KT-LED12T8-36GC-835-D-CP	25	MJR-81	89094901024	PLCEHPDQPTGB
KT-LED12T8-36GC-840-D-CP	25	RKW-07	89094900931	PLJCKCLPWJ3P
KT-LED12T8-36GC-850-D-CP	25	XCG-93	89094900932	PLYWEGQC3LKZ
KT-LED12T8-36GC-865-D-CP	25	HMH-90	89094900933	TBD

CATALOG NUMBER BREAKDOWN

KT-LED12T8-36GC-8XX-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 **80 CRI**
8 **Color Temp.**
9 **Direct Drive Series**
10 **Packaging Style**