KEYSTONE SINCE 1945 LIGHT MADE EASY

DIRECTDRIVE DX2

SINGLE- OR DOUBLE-ENDED LINE VOLTAGE LED TUBES

KT-LED12T5HE-36GC-8XX-DX2 /G2

T5 LED LAMP

RoHS Compliant

10 YEAR LIMITED WARRANTY

DESCRIPTION

12W T5 LED | 3500/4000/5000K | >80 CRI | High-Efficiency | Single- or Double-Ended Wiring

- **LAMP TYPE:** Linear
- **BULB TYPE:** T5 LED
- **BASE TYPE:** G5 (Miniature Bi-Pin)
- **WATTAGE:** 12W
- **COLOR TEMPERATURE:** 3500/4000/5000K
- **COLOR RENDERING INDEX (CRI):** >80
- **WARRANTY:** 5 Years



PRODUCT FEATURES

- Replacement for conventional fluorescent lamp
- Single- or Double-Ended Wiring
- Instant startup
- Direct replacement for F21T5 fluorescent lamp
- Frosted lens eliminates pixelation
- Improved lamp durability with shatterproof coated glass, designed to pass drop tests of 6' on hard surface
- Environmentally friendly: No mercury used
- Operating Temperature: –20ºC/–4ºF to 45ºC/113ºF
- Storage Temperature: -40ºC/-40ºF to 70ºC/158ºF
- Operating Humidity: 35-80%
- Integral driver (isolated) eliminates the need for external driver or ballast
- Compatible with Keystone AC Emergency Drivers: KT-EMRG-LED-5-500-AC, KT-EMRG-LED-5-500-AC/DF, KT-EMRG-LED-12-1200-AC, or KT-EMRG-LED-12-1200-AC /DF
- 50,000+ hour lifetime
- UL Classified
- NSF Listed: NSF/ANSI Standard 2: Food equipment, splash zone (component level—not for direct food zone without additional fixture considerations)
- Meets FCC part 15 Class B standards
- Not for use in sealed / vapor tight fixtures

PERFORMANCE SPECIFICATIONS

Catalog Number	Input Voltage	Power Consumption	Color Temperature (CCT)	Luminous Flux	Efficacy	Beam Angle	Visible Light Area	Power Factor	Input Current	Rated Lifetime
KT-LED12T5HE-36GC-835-DX2 /G2	120-277Vac	12W	3500K	1500	125 lm/W	170°	280°	>0.9	102mA @ 120V 48mA @ 277V	50,000 Hours
KT-LED12T5HE-36GC-840-DX2 /G2			4000K	1600	133 lm/W					
KT-LED12T5HE-36GC-850-DX2 /G2			5000K	1600	133 lm/W					

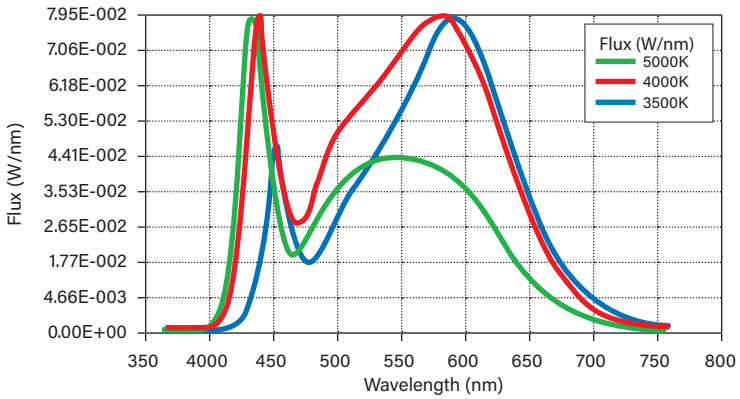
SINCE 1945 KEYSTONE LIGHT MADE EASY

DIRECTDRIVE DX2
SINGLE- OR DOUBLE-ENDED LINE VOLTAGE LED TUBES

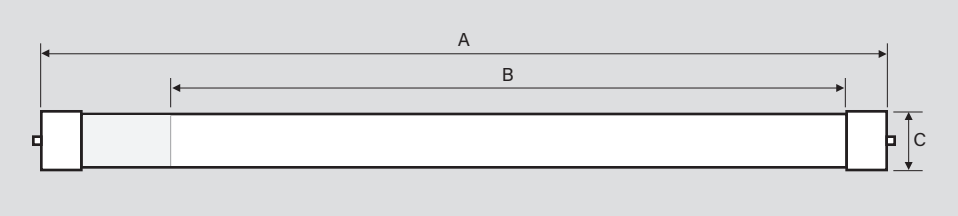
KT-LED12T5HE-36GC-8XX-DX2 /G2
T5 LED LAMP

PHOTOMETRIC SPECIFICATIONS

SPECTRAL DISTRIBUTION



PHYSICAL SPECIFICATIONS



LAMP DIMENSIONS

A (Body Length)	33.43"
B (Illuminated Length)	29.56"
C (Diameter)*	0.77"

NOMINAL LENGTH: 36"

BASE TYPE: G5 (Miniature Bi-Pin)

**Though nominally referred to as a T5, this lamp has a T6 diameter.*

KEYSTONE SINCE 1945 LIGHT MADE EASY

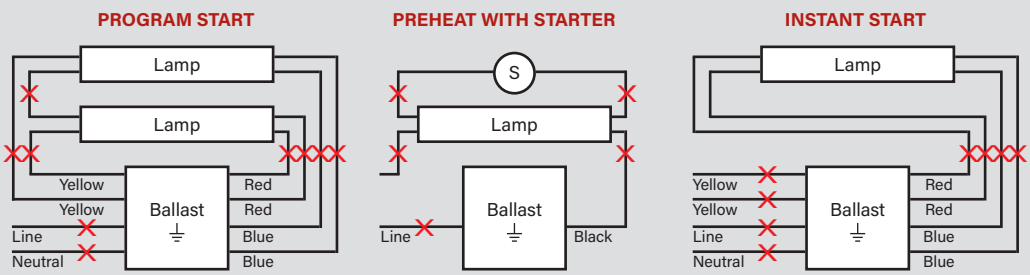
DIRECT DRIVE DX2
SINGLE- OR DOUBLE-ENDED LINE VOLTAGE LED TUBES

KT-LED12T5HE-36GC-8XX-DX2 /G2
T5 LED LAMP

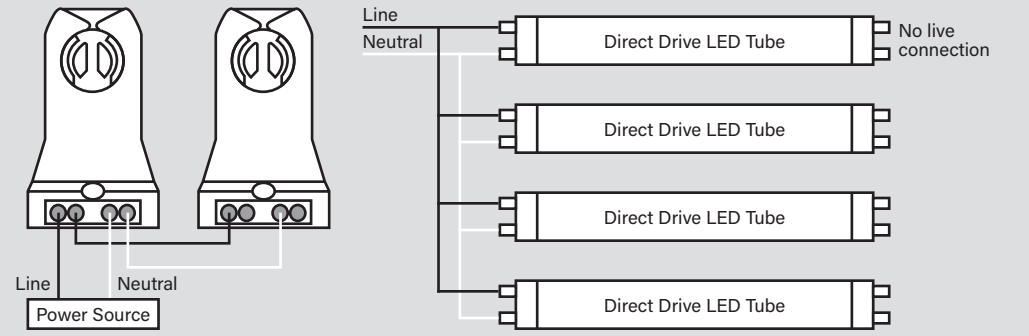
SINGLE-ENDED WIRING DIAGRAM

1. Cut all existing connections to ballast as shown below and remove ballast. *Figure A* for typical ballast configurations. **Note: Single-ended wiring requires non-shunted lampholders.**

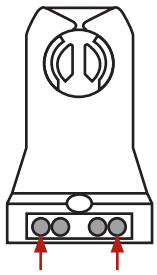
FIGURE A TYPICAL BALLAST CONFIGURATIONS



2. Rewire fixture as shown below.



TYPICAL NON-SHUNTED LAMPHOLDER



Connect wires directly to these terminals

CAUTION: FOR SINGLE-ENDED WIRING USE *ONLY* NON-SHUNTED LAMPHOLDERS.

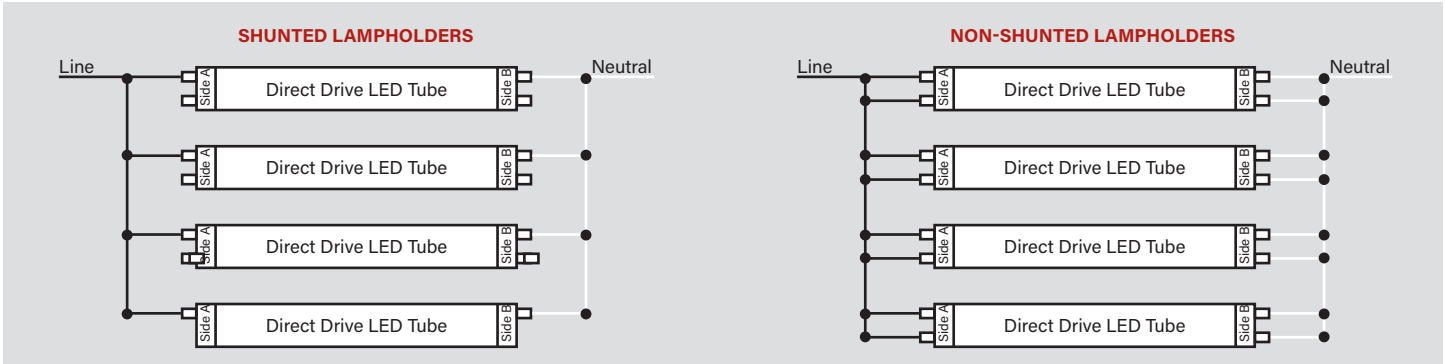
For Single-ended wiring, do not install product in a fixture with shunted lampholders (found in all fixtures using instant start ballasts). If the current lampholders are shunted, remove them and replace them with non-shunted lampholders. Make new connections directly to terminals as indicated above. Keystone can provide any style replacement lampholders. Call us at 800-464-2680.

DOUBLE-ENDED WIRING DIAGRAM

1. Cut all existing connections to ballast as shown below ans remove ballast. See *Figure A* above for typical ballast configurations.

2. Re-wire fixture as shown below. For double-ended wiring, use either shunted or nonshunted lampholders.

NOTE: There should not be any exposed wires at the end of installation.



SINCE 1945 KEYSTONE LIGHT MADE EASY

DIRECT DRIVE DX2
SINGLE- OR DOUBLE-ENDED LINE VOLTAGE LED TUBES

KT-LED12T5HE-36GC-8XX-DX2 /G2

T5 LED LAMP

ORDERING INFORMATION

ORDER CODE	PACK QTY.	UPC	EASY CODE
KT-LED12T5HE-36GC-850-DX2 /G2	25 pcs	MVJ-08	843654158181
KT-LED12T5HE-36GC-840-DX2 /G2	25 pcs	IHO-57	843654158198
KT-LED12T5HE-36GC-850-DX2 /G2	25 pcs	MQG-65	843654158204

CATALOG NUMBER BREAKDOWN

KT-	LED	12	T5	HE-	36	GC-	8XX-	DX2	/G2
1	2	3	4	5	6	7	8	9	10

1 **Keystone Technologies**
2 **LED Lamp**
3 **Wattage**
4 **Lamp Type**
5 **Nominal Length (Inches)**
6 **Shatter-Proof Coated Glass**
7 **80 CRI**
8 **Color Temperature**
9 **Single- or Double-Ended Wiring**
10 **Second Generation**