



DIRECT DRIVE LED
LINE VOLTAGE T8 TUBES

KT-LED12T8-36GC-8XX-D-VDIM

T8 LED LAMP

DESCRIPTION

12W T8 LED | 3500–5000K | > 83 CRI | High-Efficiency |
Single-Ended Wiring



10 YEAR
LIMITED WARRANTY

LAMP TYPE: Linear
BULB TYPE: T8 LED
BASE TYPE: G13 (Medium Bi-Pin)
WATTAGE: 12W
COLOR TEMPERATURE: 3500–5000K
COLOR RENDERING INDEX (CRI): > 83
WARRANTY: 10 Years



PRODUCT FEATURES

- Replacement for conventional F25T8 fluorescent lamp
- Single-ended wiring
- Instant startup
- Frosted lens eliminates pixelation
- Improved Lamp Durability with Shatterproof Coated Glass, designed to pass drop tests of 6' on hard surface
- Integral driver (isolated) eliminates the need for external driver or ballast
- Approx. 40% more energy efficient than standard F25T8 lamp
- ETL Sanitation Listed NSF/ANSI Standard 2 - Food Equipment, Splash Zone (Not for Direct Food Zone without additional fixture considerations)
- 0–10V dimming to below 10%
- Environmentally friendly: No mercury used
- Operating temperature: –20°C/–4°F to 45°C/113°F
- 50,000+ hour lifetime
- UL Classified
- UL Flicker Free Design from date code 1903F

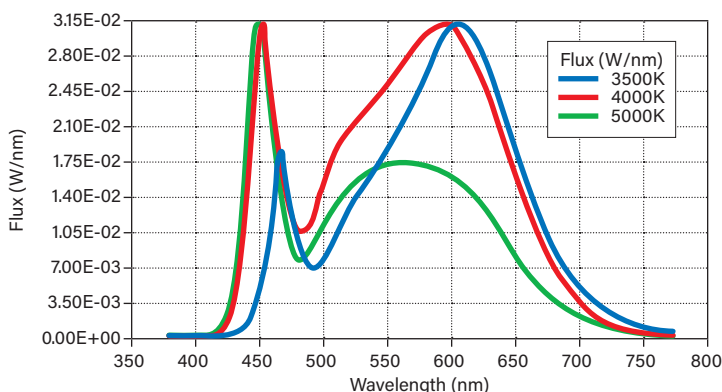
ELECTRICAL AND PERFORMANCE SPECIFICATIONS

Catalog Number	Input Voltage	Input Current	Wattage	Color Temperature	Lumen Output	Efficacy	CRI	Power Factor
KT-LED12T8-36GC-835-D-VDIM	120–277V	0.12A @ 120V; 0.05A @ 277V	12W	3500K	1500	125 lm/W	> 83	> 0.9
KT-LED12T8-36GC-840-D-VDIM				4000K	1550	129 lm/W		
KT-LED12T8-36GC-850-D-VDIM				5000K	1550	129 lm/W		

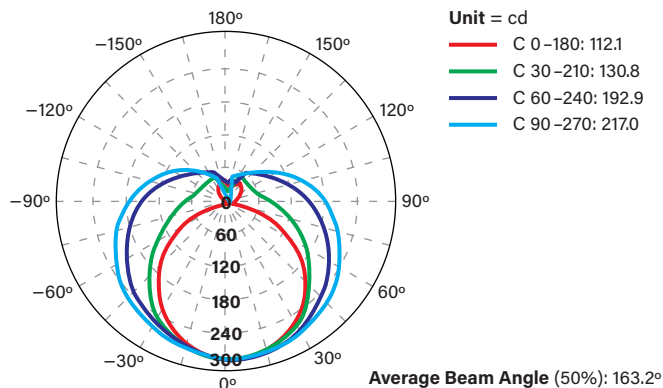
PHOTOMETRIC SPECIFICATIONS

Beam Angle	163.2°	Visible Light Area	325°	Length	36"	Wiring	Single-ended	Rated Life (L70)	50,000 hours
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SPECTRAL DISTRIBUTION



POLAR CANDELA DISTRIBUTION



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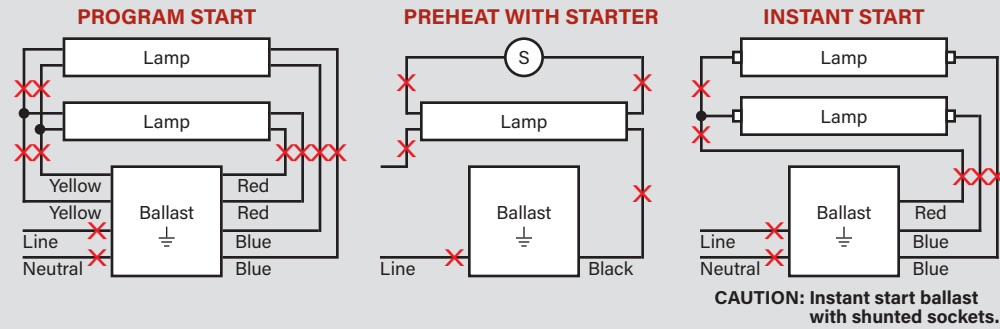
T8 LED LAMP

WIRING DIAGRAMS

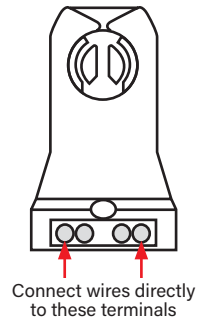
Cut all existing connections to ballast as shown below and remove ballast.

Note: Both single-ended wiring without dimming and single-ended wiring with dimming require non-shunted lampholders.

Typical Ballast Configurations

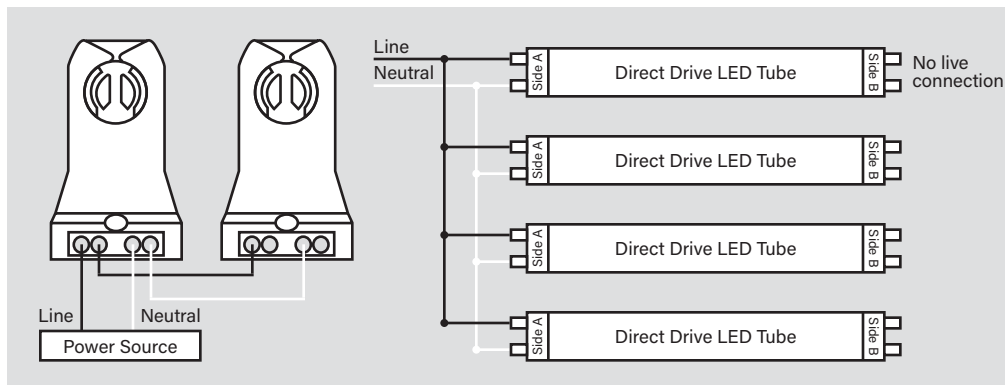


TYPICAL NON-SHUNTED LAMPHOLDER



CAUTION: USE ONLY NON-SHUNTED LAMPHOLDERS.

Single-ended wiring without dimming: Re-wire fixture as shown below.

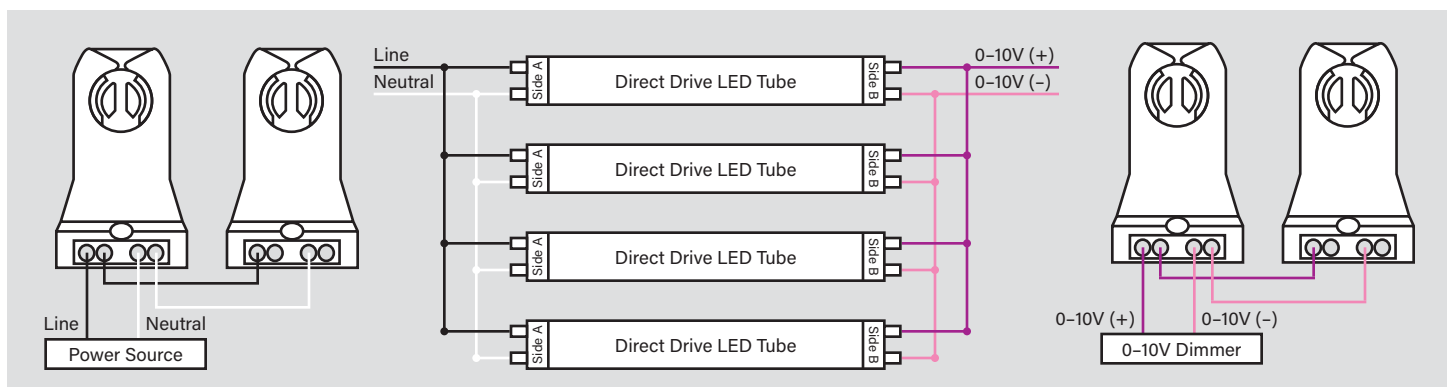


Do not install product in a fixture with shunted lampholders (found in all fixtures using instant start ballasts). If the current lampholders are shunted, remove them and replace them with non-shunted lampholders. Make new connections directly to terminals as indicated in wiring diagrams.

Keystone can provide any style replacement lampholders.

Call us at 800-464-2680.

Single-ended wiring with dimming: Re-wire fixture as shown below.



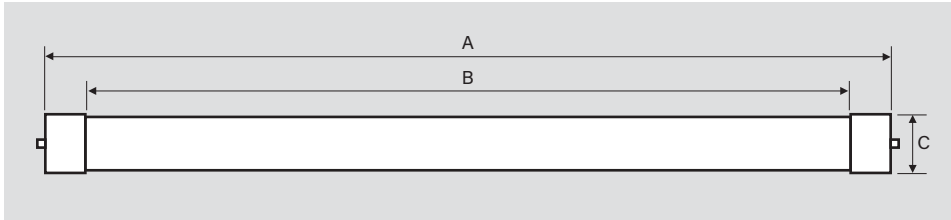
Note: There should not be any exposed wires at the end of installation.



KT-LED12T8-36GC-8XX-D-VDIM

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PHYSICAL SPECIFICATIONS



LAMP DIMENSIONS

A (Body Length)	35.19"
B (Illuminated Length)	31.81"
C (Diameter)	1.10"

NOMINAL LENGTH: 36"

BASE TYPE: G13 (Medium Bi-Pin)

ORDERING INFORMATION

ORDER CODE	CARTON QUANTITY	UPC	EASY CODE	DLC PRODUCT ID
KT-LED12T8-36GC-835-D-VDIM	25	843654136431	HMS-81	P0FPKYCR
KT-LED12T8-36GC-840-D-VDIM	25	843654136448	HBS-08	PVO2IJ6J
KT-LED12T8-36GC-850-D-VDIM	25	843654136455	DRB-60	PIGXKY26

CATALOG NUMBER BREAKDOWN

KT-LED12T8-36GC-8XX-D-VDIM

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 Coated Glass
- 7 >80 CRI
- 8 Color Temperature
- 9 Direct Drive Series
- 10 0-10V Dimming