KEYSTONE SINCE 1945 LIGHT MADE EASY®

DIRECTDRIVE D2
DOUBLE-ENDED LINE VOLTAGE LED TUBES

POWER SELECT
COLOR SELECT

KT-LED40PST8-D48GC-8CSJ-D2

T8 LED LAMP

DESCRIPTION

T8 LED | 8 ft | Power Select | Color Select | 120-277V Input | 80+ CRI | High Efficiency | FA8 (Single Pin) or R17d Base Type

NSF | CLASSIFIED c UL us | DLC LISTED | c UL us | RoHS Compliant | TRUSTED NB WARRANTY | 10 YEAR LIMITED WARRANTY

LAMP TYPE: Linear
BULB TYPE: T8
BASE TYPE: Interchangeable Fa8 (Single Pin) and R17d
WATTAGE: 24/32/40W Power Selectable
COLOR TEMPERATURE: 30/35/40/50/6500K Selectable
COLOR RENDERING INDEX (CRI): >80
WARRANTY: 10 Year Limited



PRODUCT FEATURES

- Keystone Power Select technology (see Performance Specifications for details)
- Keystone Color Select technology (30/35/40/50/6500K)
- Includes Both Fa8 (Single-Pin) and R17d Base Types
- Replacement for conventional T8/T12 8-foot, single-pin fluorescent lamp
- Double-ended line voltage wiring: Connect power to each end for simplified installation
- 50,000+ Hour Lifetime
- Approximately 50% more energy efficient than standard F96T12 lamps
- NSF listed: NSF/ANSI Standard 2: Food equipment, splash zone (component level—not for direct food zone without additional fixture considerations)
- Compatible with KT-EMRG-LED-12-1200-AC and KT-EMRG-LED-12-1200-AC /DF LED emergency back ups
- Two-Piece Construction makes transportation and storage easier, while reducing risk of breakage
- Includes Support Clip to be installed with the lamps to prevent any lamp sagging or twisting
- Frosted Lens Eliminates Pixelation
- Integral Driver (Isolated): Eliminates the need for external driver or ballast
- 130+ Lumens per Watt
- Instant Startup
- 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.
- Not for use in sealed / vapor tight fixtures

ELECTRICAL AND PERFORMANCE SPECIFICATIONS

Catalog Number	Selectable Wattage	Selectable CCT	Lumens	Efficacy	Input Voltage	Input Current	Beam Angle	Power Factor	CRI	Rated Life
KT-LED40PST8-D48GC-8CSJ-D2	40W	3000K	5,200	130 lm/W	120–277Vac	0.33 @ 120V 0.14 @ 277V	210°	>0.9	>80	L70 (Hours) 50,000
		3500K	5,200	130 lm/W						
		4000K	5,500	138 lm/W						
		5000K	5,500	138 lm/W						
		6500K	5,500	138 lm/W						
	32W	3000K	4,200	131 lm/W		0.27 @ 120V 0.12 @ 277V				
		3500K	4,200	131 lm/W						
		4000K	4,400	138 lm/W						
		5000K	4,400	138 lm/W						
		6500K	4,400	138 lm/W						
	24W	3000K	3,300	138 lm/W		0.20 @ 120V 0.09 @ 277V				
		3500K	3,300	138 lm/W						
		4000K	3,500	146 lm/W						
		5000K	3,500	146 lm/W						
		6500K	3,500	146 lm/W						

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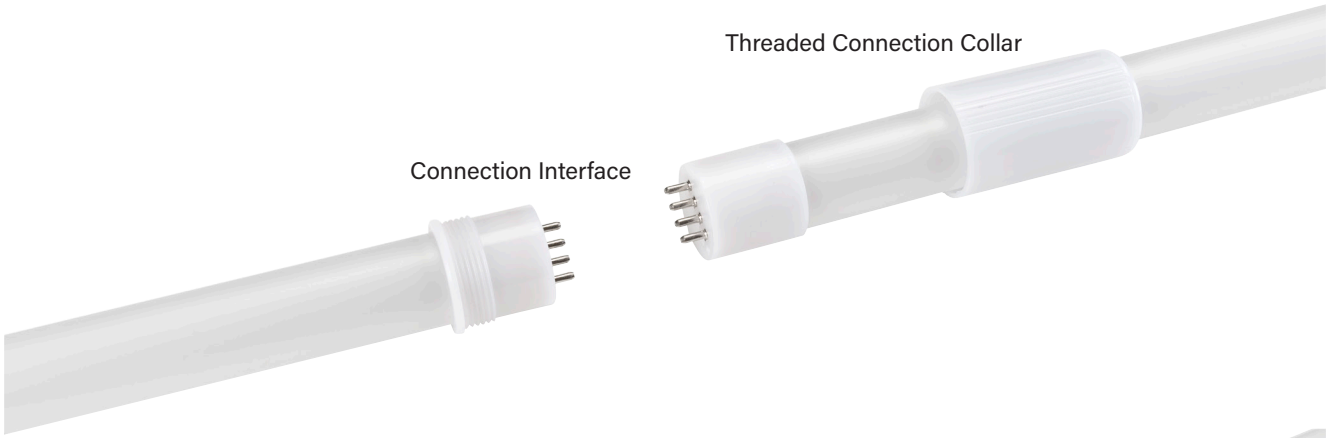
IMAGES

Full Two-Piece Solution



Threaded Connection Collar

Connection Interface



Support C-Clip

Power Select and Color Select Switches

Interchangeable R17d and Fa8 Sockets



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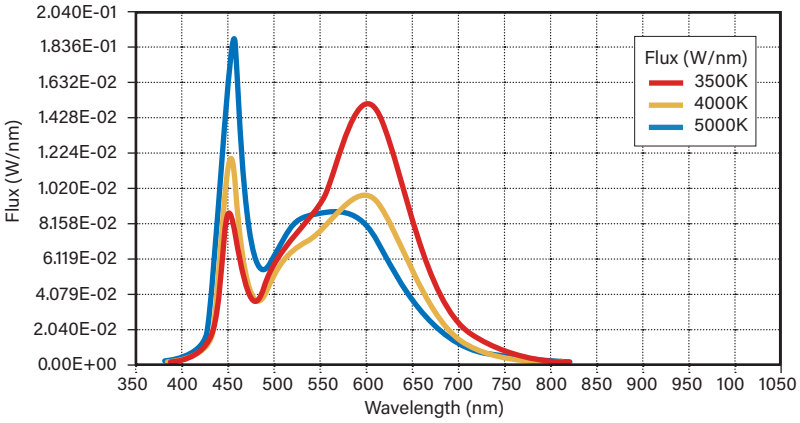
PHOTOMETRIC SPECIFICATIONS

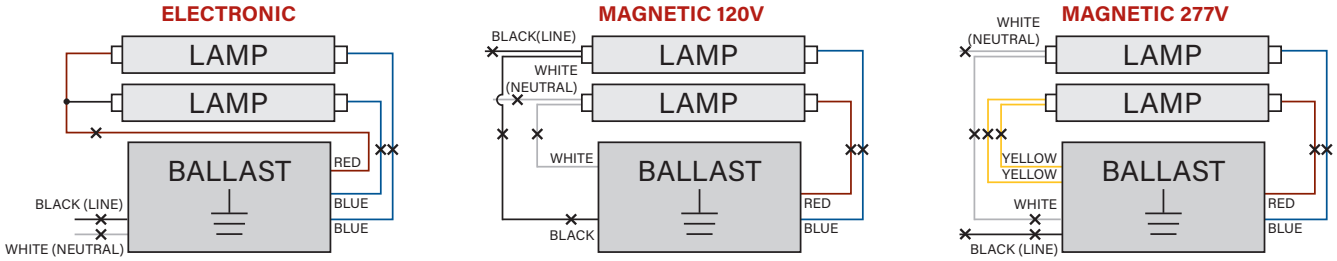
SPECTRAL DISTRIBUTION



WIRING DIAGRAMS

1. Identify ballast configuration as shown below and cut all wires connected to the ballast accordingly.

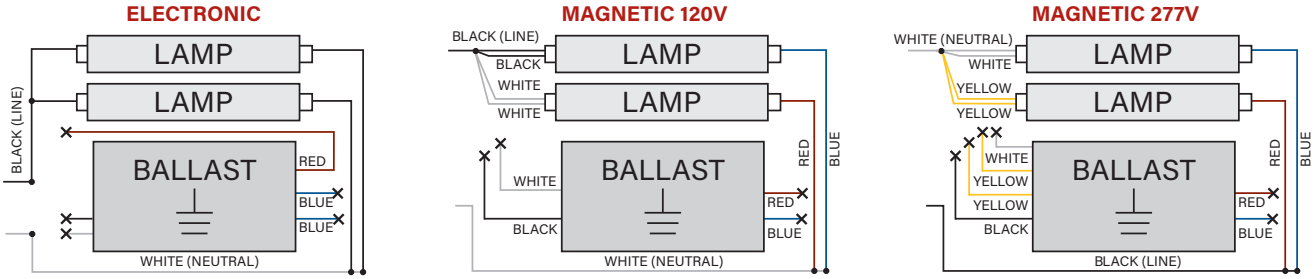
Typical Ballast Configurations:



2. Confirm that the lampholders in the fixture are single-pin Fa8 lampholders. These DirectDrive LED tubes require single-pin Fa8 lampholders.

3. Rewire the fixture using existing lampholders as shown below according to the original ballast wiring configuration.

Typical Ballast Configurations:



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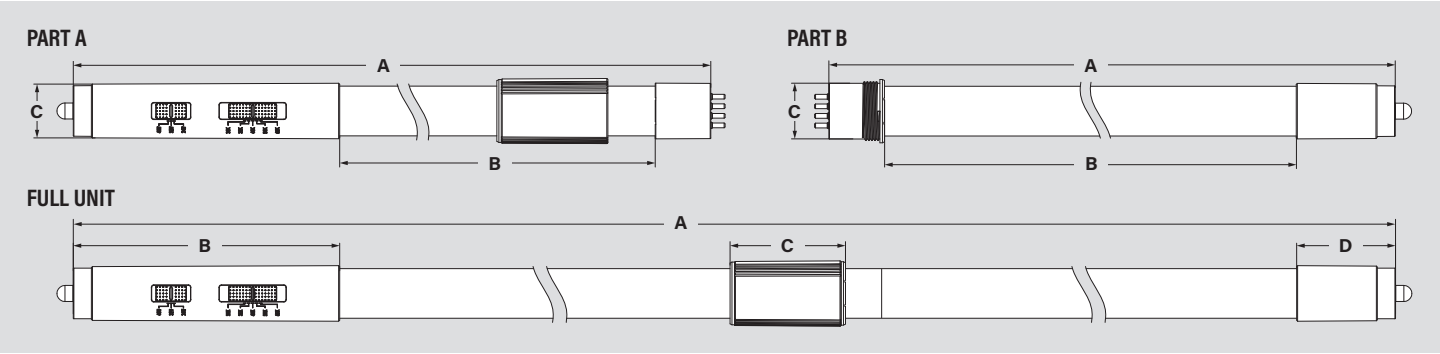
ENVIRONMENTAL SPECIFICATIONS

UL Location Rating	Damp
Operating Temperature	-20°C/-4°F to 45°C/113°F
Storage Temperature	-40°C/-40°F to 70°C/158°F
Enclosure Rating	Not suitable for totally enclosed fixtures

PHYSICAL SPECIFICATIONS



PART A

A (Body Length)	46.60"
B (Illuminated Length)	40.23"
C (End Cap Diameter)	1.08"

PART B

A (Body Length)	46.60"
B (Illuminated Length)	43.59"
C (End Cap Diameter)	1.08"

FULL UNIT

A (Body Length)	93.20"
B (Controls End Cap Length)	5.20"
C (Connector Collar Length)	2.28"
D (End Cap Length)	1.93"

NOMINAL LENGTH: 96"
BASE TYPE: FA8 (Single Pin) or HO/R17d

ORDERING INFORMATION

ORDER CODE	PACK QTY.	UPC	EASY CODE	DLC PRODUCT ID
KT-LED40PST8-D48GC-8CSJ-D2	10	843654162980	DKM-87	S-M07LTT

CATALOG NUMBER BREAKDOWN

KT-LED40PST8-D48GC-8CSJ-D2

1 2 3 4 5 6 7 8 9 10 11 12

1 **Keystone Technologies**
2 **LED Lamp**
3 **Nominal Wattage**
4 **Power Select**
5 **Lamp Type**
6 **Dual**
7 **Nominal Length (Inches)**
8 **Coated Glass**
9 **CRI**
10 **Color Select**
11 **Color Select Designation**
12 **Double Ended Wiring**

9 CRI

8	>80

11 COLOR SELECT DESIGNATION

J	3000/3500/4000/5000/6500K