



DIRECT DRIVE LED
LINE VOLTAGE T8 TUBES

KT-LED54T8-96P-840-D/G2

T8 LED LAMP

DESCRIPTION

54W T8 LED | 4000K | >80 CRI | High Efficiency | 8 Foot

LAMP TYPE: Linear	WATTAGE: 54W
BULB TYPE: T8 LED	COLOR TEMPERATURE: 4000K
BASE TYPE: R17d (Double Recessed Contact)	COLOR RENDERING INDEX (CRI): >80
WARRANTY: 5 Years	



PRODUCT FEATURES

- Rotating End Cap Ensures Lamp can be installed properly in existing fixtures, regardless of socket orientation
- Replacement for Conventional T8/T12HO 8 Foot Double Recessed Contact 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 F96T12HO Lamps
- Environmentally Friendly: No Mercury Used
- Instant Startup

- Includes 2 C-clips to be installed with the lamps into the fixture ballast cover to prevent any potential un-desired lamp twisting or sagging
- Frosted Lens Eliminates Pixelation
- UL Classified
- Operating Temperature: -20°C/-4°F to 55°C/131°F
- Integral Driver, Eliminates the Need for External Driver or Ballast
- 100+ Lumens per Watt
- Dry & Damp Location Rated
- Plastic Lens with Aluminum Backing

OPERATING SPECIFICATIONS

ELECTRICAL CHARACTERISTICS

Input Voltage	Power Consumption	Power Factor	Input Current
120-277Vac	54W	>0.9	0.50A @ 120V 0.21A @ 277V

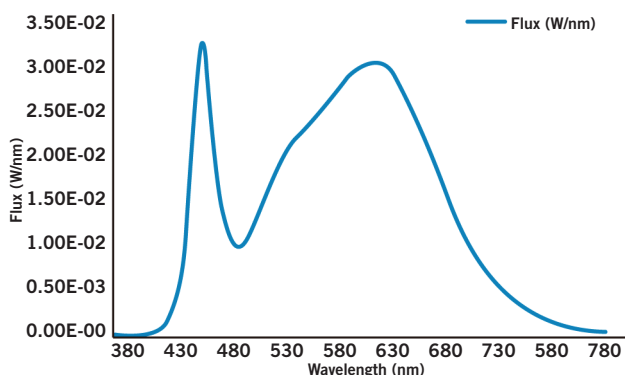
RATED LIFE

L70 (Hours)	50,000
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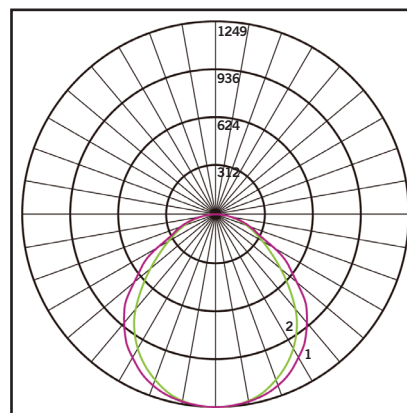
PHOTOMETRIC CHARACTERISTICS

Color Temperature (CCT)	4000K
Luminous Flux	5800 lm
Color Rendering Index (CRI)	>80
Efficacy	107 lm/W
Beam Angle	120°

SPECTRAL DISTRIBUTION



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)



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WIRING DIAGRAMS

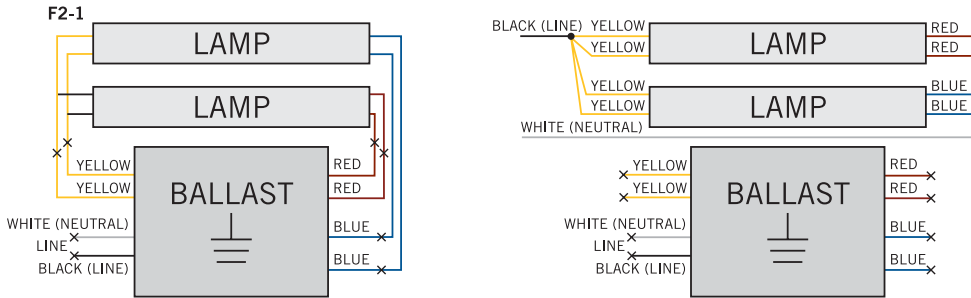
Double Ended Line Voltage Wiring



For Retrofit Applications (see below notes)

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 R17d Double Recessed Contact lampholders. These DirectDrive LED tubes require R17d Double Recessed Contact lampholders.
3. Rewire the fixture using existing lampholders as shown above according to the original ballast wiring configuration.

PHYSICAL CHARACTERISTICS

LAMP DIMENSIONS

	A (Illuminated Length)	91.5"
	B (Body Length)	93.31"
	C (Cross Section: Width x Height)	1.08" x 1.31"

NOMINAL LENGTH: 96" BASE TYPE: R17d (Double Recessed Contact)

ORDERING INFORMATION

ORDER CODE	PACKAGING STYLE	PACK QTY.	ITEM STATUS
KT-LED54T8-96P-840-D/G2-DP	Distributor Pack (Individual Cartons)	20	Quick Ship

CATALOG NUMBER BREAKDOWN

KT-LED54T8-96P-840-D/G2-DP

Keystone Technologies	LED Lamp	Wattage	Lamp Type	Nominal Length (Inches)	Plastic/ Alum. Case	800 Series	Color Temp.	Direct Drive Series	2nd Generation	Packaging Style
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