SINCE 1945 KEYSTONE LIGHT MADE EASY®

EXTERNAL DRIVE LED TYPE C LED TUBES

COLOR SELECT

KT-LED9.5T8-24G-840-E

T8 LED LAMP

DESCRIPTION

T8 LED | 9.5W | 120-277Vac Input | 2' Length | 4000K | Type C
>82 CRI | 0-10V Dimming | G13 (Medium Bi-Pin)

10 YEAR LIMITED WARRANTY

PRODUCT FEATURES

- Keystone Power Select technology (see *Performance Specifications* for details)
- Compatible with Keystone external drive LED drivers
- Bi-Level Dimming:
  Toggle Between Partial & Full Brightness using Wall Switch
- Replacement for conventional fluorescent lamps
- 70,000+ hour lifetime
- Type C application for custom installations and maximum efficiency
- Environmentally friendly: No mercury used
- Instant startup
- Frosted glass eliminates pixelation
- UL Classified
- Operating temperature: –20°C/–4°F to 45°C/113°F
- Humidity: 10-90%
- 0-10V Dimming
- Power Factor >0.9
- 12V Aux Output, 100mA Max. Current

PERFORMANCE SPECIFICATIONS

BARE LAMP

Lumens	Wattage	Efficacy	CRI
1,565	9.5W	165 lm/W	>82

SYSTEM - 100% POWER

Lamp Configuration	System Total Lumens	System Total Power	System Efficacy	System Per Lamp Lumens	System Per Lamp Power	Type C Driver
1-Lamp	11W	1,565	142 lm/W	1,565	11W	KTLD-2LT8-UV-PS15C-BL-VDIM
2-Lamp	22W	3,130	142 lm/W	1,565	11W	
3-Lamp	33W	4,695	142 lm/W	1,565	11W	KTLD-4LT8-UV-PS15C-BL-VDIM
4-Lamp	44W	6,260	142 lm/W	1,565	11W	

(Performance Specifications continued on next page*)*

KEYSTONE SINCE 1945 LIGHT MADE EASY®

EXTERNAL DRIVE LED TYPE C LED TUBES

COLOR SELECT

KT-LED9.5T8-24G-840-E

T8 LED LAMP

PERFORMANCE SPECIFICATIONS (continued)

9.5W LAMP SYSTEM

	System Wattage	1-Lamp			2-Lamp			3-Lamp			4-Lamp		
		Driver Setting											
		300mA	240mA	180mA	300mA	240mA	180mA	300mA	240mA	180mA	300mA	240mA	180mA
Bi-Level Setting	100%	11W	8.8W	6.6W	22W	17.6W	13.2W	33W	26.4W	19.8W	44W	35.2W	26.4W
	70%	7.7W	6.2W	4.6W	15.4W	12.3W	9.2W	23.1W	18.5W	13.9W	30.8W	24.6W	18.5W
	50%	5.5W	4.4W	3.3W	11W	8.8W	6.6W	16.5W	13.2W	9.9W	22W	17.6W	13.2W
	System Lumens	1-Lamp			2-Lamp			3-Lamp			4-Lamp		
		Driver Setting											
		300mA	240mA	180mA	300mA	240mA	180mA	300mA	240mA	180mA	300mA	240mA	180mA
Bi-Level Setting	100%	1,565	1,115	800	3,130	2,365	1,765	4,695	3,605	2,695	6,260	4,890	3,680
	70%	980	760	535	2,105	1,665	1,220	3,155	2,500	1,825	4,280	3,410	2,515
	50%	685	515	350	1,480	1,160	820	2,225	1,745	1,250	3,045	2,395	1,725
	System Efficacy	1-Lamp			2-Lamp			3-Lamp			4-Lamp		
		Driver Setting											
		300mA	240mA	180mA	300mA	240mA	180mA	300mA	240mA	180mA	300mA	240mA	180mA
Bi-Level Setting	100%	142 lm/W	126 lm/W	121 lm/W	142 lm/W	134 lm/W	134 lm/W	142 lm/W	137 lm/W	136 lm/W	142 lm/W	139 lm/W	139 lm/W
	70%	127 lm/W	123 lm/W	116 lm/W	137 lm/W	135 lm/W	132 lm/W	137 lm/W	135 lm/W	132 lm/W	139 lm/W	138 lm/W	136 lm/W
	50%	125 lm/W	117 lm/W	107 lm/W	134 lm/W	132 lm/W	124 lm/W	135 lm/W	132 lm/W	126 lm/W	138 lm/W	136 lm/W	131 lm/W

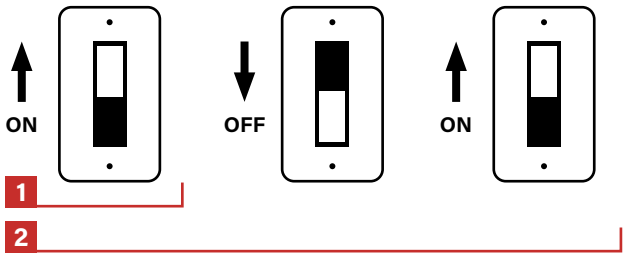
* Keystone Power Select Technology (300/240/180mA)
* Keystone Bi-Level Dimming (100/70/50%)

KEY FEATURES

BI-LEVEL DIMMING

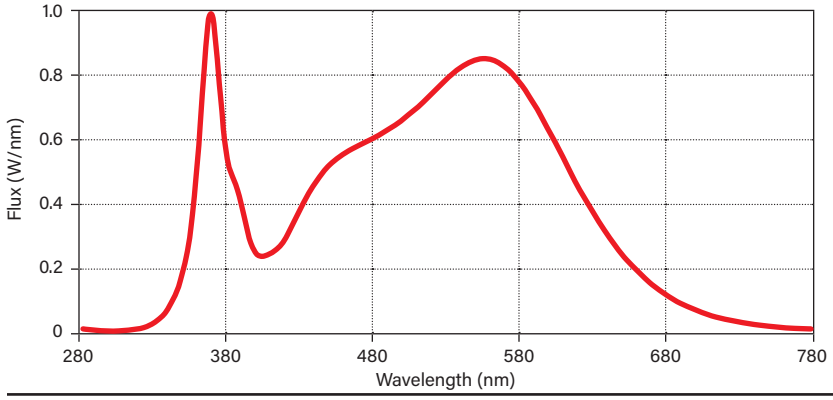
MODE 1 Partial Brightness (settable to 100/70/50%)
Flip wall switch to ON position

MODE 2 Full Brightness (100%)
Flip wall switch twice within 5 seconds



PHOTOMETRIC SPECIFICATIONS

SPECTRAL DISTRIBUTION



RATED LIFE

L70 (Hours)	70,000

BEAM ANGLE: 160°

SINCE 1945 KEYSTONE LIGHT MADE EASY®

EXTERNAL DRIVE LED TYPE C LED TUBES

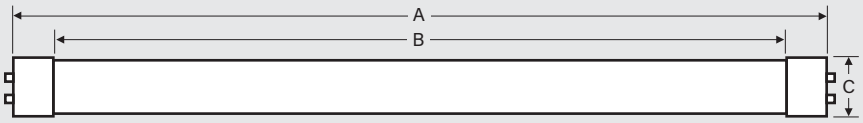
COLOR SELECT

KT-LED9.5T8-24G-840-E

T8 LED LAMP

PHYSICAL SPECIFICATIONS

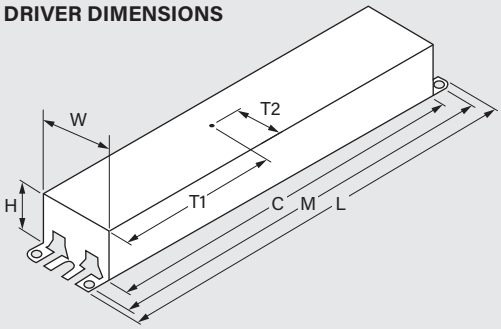
LAMP DIMENSIONS



KT-LED9.5T8-24G-840-E	
A (Body Length)	23.22"
B (Illuminated Length)	19.48"
C (Diameter)	1.10"

BASE TYPE: G13 (MEDIUM BI-PIN)

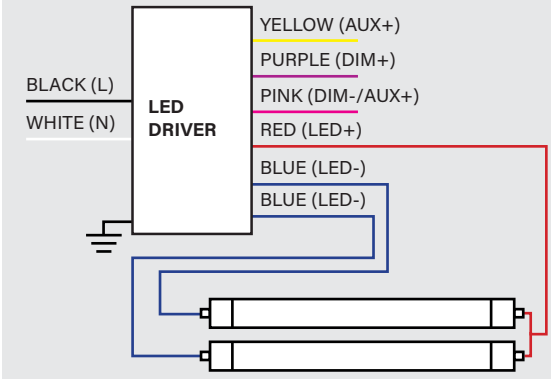
DRIVER DIMENSIONS



KTLD-XLT8-UV-PS15C-BL-VDIM	
Length (L)	11.02"
Mounting Length (M)	10.49"
Case Length (C)	9.58"
Width (W)	1.18"
Height (H)	0.87"
Tc Point (T1)	4.50"
Tc Point (T2)	0.59"

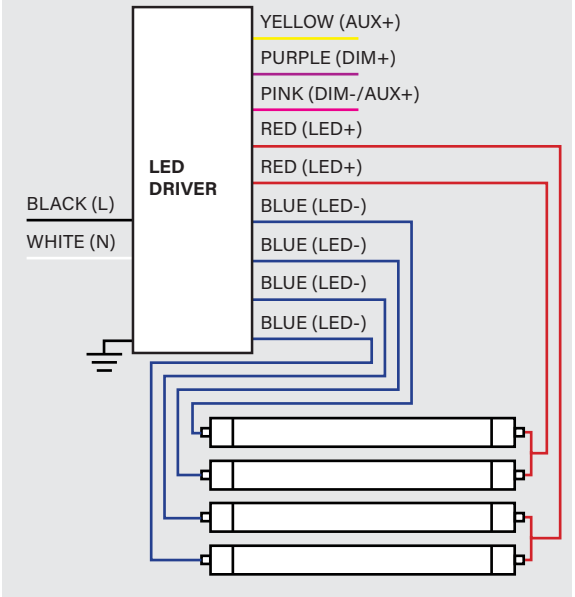
WIRING SPECIFICATIONS

KTLD-2LT8-UV-PS15C-BL-VDIM



*For 1 Lamp application, cap off 1 blue lead

KTLD-4LT8-UV-PS15C-BL-VDIM



*For 3 Lamp application, cap off 1 blue lead

STANDARD LEAD LENGTHS*

Input	Black	30.00"
	White	30.00"
Output	Red	30.00"
	Blue	30.00"
	Purple	30.00"
	Pink	30.00"
	Yellow	30.00"

Input Wires are 18 AWG 105°C / 600V

Output Wires are 20 AWG 105°C / 300V

*Consult Keystone for special lead length requirements.

SINCE 1945 KEYSTONE LIGHT MADE EASY®

EXTERNAL DRIVE LED TYPE C LED TUBES

COLOR SELECT

KT-LED9.5T8-24G-840-E

T8 LED LAMP

ORDERING INFORMATION

Catalog Number	Carton QTY	Item Status	UPC	Easy Code
KT-LED9.5T8-24G-840-E	25	Quick Ship	843654177311	HOB-72

CATALOG NUMBER BREAKDOWN

KT-LED9.5T8-24G-840-E

1 2 3 4 5 6 7 8 9

1 **Keystone Technologies**
2 **LED Lamp**
3 **Wattage**
4 **Lamp Type**
5 **Nominal Length (Inches)**
6 **Glass**
7 **80 CRI**
8 **Color Temperature**
9 **External Drive Series**

8 **Color Temperature**

40	4000K