

## T8 DUAL MODE : ELECTRONIC BALLAST COMPATIBLE

### DESCRIPTION

LED T8 Dual Mode Replacement Lamps offer a versatile range of installation options - single-ended or double-ended, with ballast, emergency battery, or direct line voltage.

### FEATURES

- Hybrid dual mode for use with programmed start and emergency electronic ballasts OR direct line voltage
- Direct replacement for conventional linear fluorescent tubes
- Single or double end powered
- Instant full brightness
- Frosted glass lens reduces visual glare
- Up to 80% energy savings
- Ultra-high performance LED delivers >150 lpw
- Suitable for use in totally enclosed fixtures
- Compatible with select emergency battery backup
- Does not operate on magnetic ballasts
- Does not operate on T12 ballasts
- Compatible with electronic ballasts or direct line voltage 120-277V
- UL 1598C listed
- Compatible with select programmed start ballasts
- Visit [eiko.com](http://eiko.com) to view complete ballast compatibility information

### WARRANTY

- 5 year limited warranty; see [eiko.com](http://eiko.com) for warranty details

### APPLICATIONS

- Highbays
- Troffers
- Industrial Strips
- Cove Lighting
- Warehouses
- Stairwells
- Cold Storage



<b>PERFORMANCE</b>	Bare Lamp Wattage	12W
	System Wattage	14W
	Lumens	1,800/1,900
	Efficacy (LPW)	150/158
	CRI	80+
	CCT	3500K, 4000K, 5000K
	Life (L70)	50,000 hours
<b>ELECTRICAL</b>	Power Factor	≥0.9
	THD	<20%
	Input Voltage	120-277V
<b>CONSTRUCTION</b>	Operating Temperature	-4°F to 113°F (-20°C to 45°C)
	Base	G13
<b>LISTINGS</b>	Certification(s)	DesignLights Consortium® Qualified; ETL Sanitation Listed; cULus Listed
	Material Usage	RoHS Compliant; no mercury or lead
	Environment	UL Listed for damp locations

## PERFORMANCE SUMMARY

Order Code	Item #	Length	Lumens	Bare Lamp Watts*	System Watts*	Volts Ballast Dependent	CCT	CRI	Glass Tube	Beam	Life/Hours	DLC
10101	LED12WT8/48/835-G8DM	4'	1,800	12W	14W	120-277V	3500K	80+	Frosted	190°	50K	✓
10102	LED12WT8/48/840-G8DM	4'	1,900	12W	14W	120-277V	4000K	80+	Frosted	190°	50K	✓
10103	LED12WT8/48/850-G8DM	4'	1,900	12W	14W	120-277V	5000K	80+	Frosted	190°	50K	✓

NOTE: Use order code when ordering. ✓DesignLights Consortium® Qualified  
 \* Lamp consumes 12 watts when operated on line voltage. System wattage is 14 watts per lamp when operated on ballast.

## WIRING DIAGRAMS FOR LINE VOLTAGE OPERATION



**OPTION 1:** Connecting AC line voltage to a non-shunted socket on only one end (single-ended mode). Bring line and neutral to pins "N1" and "L." Do not connect "N2" and "N3" - damage may result.



**OPTION 2:** Connecting AC line voltage to non-shunted sockets on both ends (double-ended mode). Bring line to both "N1" and "L." Bring neutral to both "N2" and "N3."



**OPTION 3:** Connecting AC line voltage to shunted sockets on both ends (double-ended mode). Bring line to N1/L side and neutral to N2/N3 side.