

LED T8 Dual Mode Replacement Lamps

Ballast Bypass/Electronic Instant Start Ballast Compatible



12/15
watts

1,800-
1,900
lumens

120
lpw

50,000
hours

Features

- Hybrid dual mode for use with instant start electronic ballasts or direct line voltage
- Direct replacement for conventional linear fluorescent tubes
- Instant full brightness
- Frosted glass lens reduces visual glare
- Environmentally friendly; no mercury or lead
- 5 year product warranty
- Choice of 3500K, 4000K or 5000K CCT
- NSF listed for commercial foodservice equipment
- Up to 80% energy savings
- Ultra-high performance LED delivers 120 lpw
- Suitable for use in totally enclosed fixtures



Performance

- 4': 1,800-1,900 lumens @ 12/15W
- 83 CRI
- Beam Angle: 190°/220°
- Rated Lifetime: 50,000 hours @ L70
- UL listed for damp locations
- Suitable for use in fixtures where ambient temperature is between -4°F (-20°C) and 113°F (45°C)
- 12W models compatible with select emergency battery backup
- Does not operate on magnetic ballasts
- Does not operate on T12 ballasts
- Compatible with instant start electronic ballasts or direct line voltage 120-277V
- UL 1598C listed
- THD: <20%
- 12W models compatible with select programmed start ballasts
- Visit eiko.com to view complete ballast compatibility information

Applications

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



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Wiring Diagram for Line Voltage Operation

LED12WT8/48/8xx-G8DM:



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." It does not matter whether line goes to "N1" and neutral goes to "L," or the reverse. Do not connect "N2" and "N3" - damage may result.

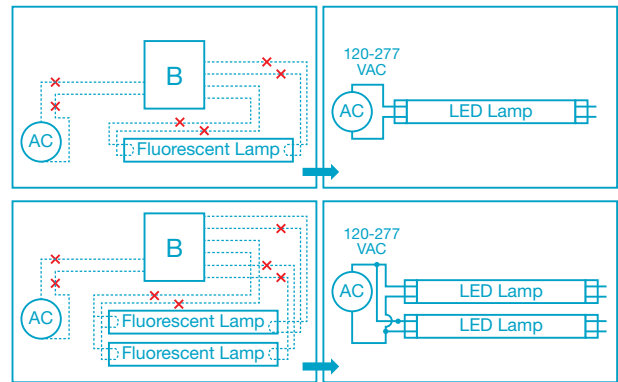


OPTION 2: Connecting AC line voltage to non-shunted sockets on both ends (double-ended mode). Bring line to both "N1" and "L." Bring neutral to both "N2" and "N3." This can also be reversed (line to "N2" and "N3"; neutral to "N1" and "L").



OPTION 3: Connecting AC line voltage to shunted sockets on both ends (double-ended mode). Bring line to one side and neutral to the other side - works the same whether line goes to "N1"/"L" and neutral goes to "N2"/"N3," or the reverse.

LED15WT8F/48/8xxK-G7DM:



1. Disconnect and remove ballast.
2. Confirm or install non-shunted sockets for input end of lamp (required).
3. Connect A/C power directly to non-shunted socket. Note: "shunted" or "jumpered" sockets are commonly found in T8 instant-start fluorescent fixtures and must be replaced.

Ordering Information

Order Code	Item #	Lngh	Lm	Bare Lamp W*	System W*	V (Ballast Dependent)	CCT	CRI	Glass Tube	Bm	Life/Hrs	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	✓
09517	LED15WT8F/48/835K-G7DM	4'	1,800	15W	17W	120-277V	3500K	80+	Frosted	220°	50K	✓
09291	LED15WT8F/48/840K-G7DM	4'	1,800	15W	17W	120-277V	4000K	80+	Frosted	220°	50K	✓
09292	LED15WT8F/48/850K-G7DM	4'	1,800	15W	17W	120-277V	5000K	80+	Frosted	220°	50K	✓

NOTE: Use order code when ordering.

✓ DesignLights Consortium® Qualified

* Lamp consumes 12/15 watts when operated on line voltage. System wattage is 14/17 watts per lamp when operated on ballast.

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