

Linear Bypass T8 Retrofit



ProLED® Linear Bypass T8 LED retrofit tubes are the most reliable and efficient way to retrofit Fluorescent T8 fixtures. There are no ballasts involved, so there is less worry about failure of the lamps. With simple rewiring of any 4 foot T8 fixture, the lamp uses 43% less energy than a standard Fluorescent T8 and lasts up-to 66% longer.¹ This translates to lower maintenance costs over time. The frosted finish maintains the familiar look and feel of Fluorescent and can be used in a wider range of temperature applications.

¹Energy savings based on \$0.11 kWh over 40,000 hour life

Performance Specifications

CRI _____ 80
Rated Life _____ 50,000 hour life
Watt _____ 18W
Lumens _____ 1900-2000
Lumens per Watt (LPW) _____ up-to 111
Input Line Voltage _____ 120-277VAC

Min. Start Temp. _____ -4°F(-20°C)
Max. Operating Temp. _____ 122°F(50°C)
Power Factor _____ 0.97
THD _____ <20%
Warranty _____ 5-Year Limited
Control _____ Non-dimmable
Weight _____ 0.96 lbs.

Energy Savings

Linear Fluorescent	Replacement LED	Wattage	Energy Savings
Standard 32W T8	T8FR18/8XX/BC/LED	18W	43%

Construction

- Ideal for cold temperature applications
- Glass tube design provides uniform light distribution
- UL Classified for dry locations
- Acceptable for use in enclosed luminaires
- Lightweight 0.96 lbs. construction
- Mercury free

Installation

- Simple removal of ballast and rewiring of lamp holders
- Single-end powered, requires non-shunted sockets
- UL 1598C classification allows original fixture to maintain UL compliance

Electrical

- Non-dimmable
- 120V-277V input range
- THD <20%
- Power Factor 0.97

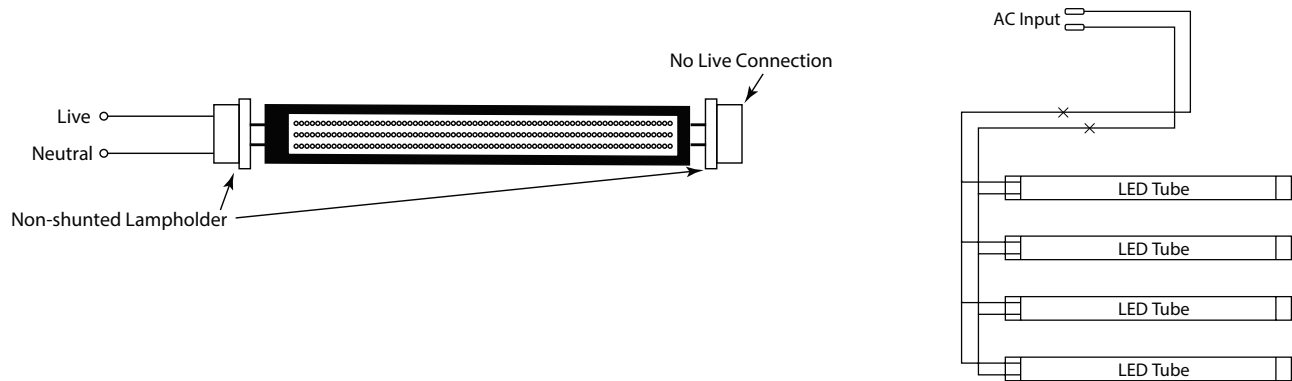
Ordering Information

Watt	Base	Product #	Product Code	Volts	Color Temp.	CRI	Lumen Output	Useful Life*	Pkg. Qty.	Beam Spread	DLC® Qualified	Equivalent Wattage
18 Watt	G13	80178	T8FR18/840/LED	120-277V	4000K	80	1900	50000	1/12	240°	Yes	32W
18 Watt	G13	80179	T8FR18/850/LED	120-277V	5000K	80	2000	50000	1/12	240°	Yes	32W

* Useful Life is defined as the point in time at which the lamp will maintain at least 70% of its initial lumens. The lamp will continue to operate past this point at decreased light levels.



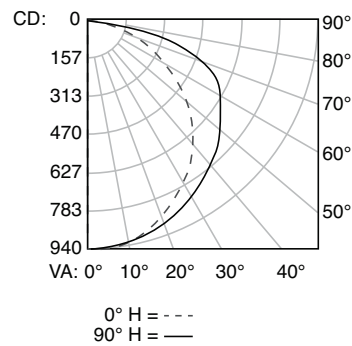
Wiring Diagram



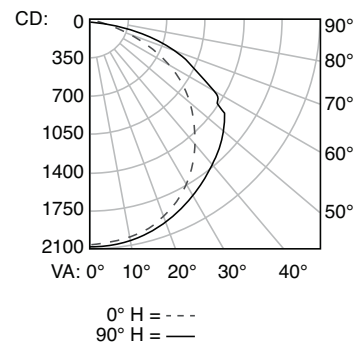
Photometrics

80178

(2) T8FR18/840/LED INSTALLED IN 2x4 RECESSED TROFFER

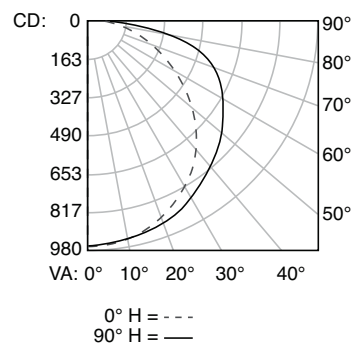


(4) T8FR18/840/LED INSTALLED IN 2x4 RECESSED TROFFER



80179

(2) T8FR18/850/LED INSTALLED IN 2x4 RECESSED TROFFER



(4) T8FR18/850/LED INSTALLED IN 2x4 RECESSED TROFFER

