



LED T8 Tube 48 In., 18W, 1000 Lumens, 6000K, Single-End Connection

- Delivers 1000 lumens at 18 watts for efficient cool white output
- 6000K color temperature with 80 CRI for task-oriented lighting
- 120° beam angle for wide, even light distribution
- Rated for 120-277VAC input, compatible with varied commercial systems
- Acrylic cover with aluminum body in a white finish
- IP20 rated, with a 50,000-hour LED lifetime and 1-year warranty

OVERVIEW

The PoliLED T8 plastic tube is a 48-inch linear lamp designed for direct replacement or new installation in commercial and industrial fluorescent fixtures. Its frosted white diffuser provides uniform light distribution, making it suitable for offices, retail spaces, warehouses, and similar applications. The single-end wiring configuration simplifies installation in compatible ballast-bypass setups.

This tube operates on 18 watts across a 120-277V input range, accommodating a wide range of commercial electrical systems. It delivers 1000 lumens at a 6000K correlated color temperature with an 80 CRI, producing a cool white output appropriate for task-oriented environments. The 120° beam angle provides wide, even light distribution across the fixture area, and the fixture is rated for ambient operation between -20°C and 40°C.

SPECIFICATIONS

OPTICAL

Luminous Flux	1,000 lm
Color Temperature	6,000 K
CRI	80
Beam Angle	120°
LED Lifetime	50,000 h
Light Color	White

MECHANICAL

Finish	White
Material	Acrylic cover + Aluminum

ORDERING

Warranty	1 y
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ELECTRICAL

Operating Voltage	120-277 V
Wattage	18 W

ENVIRONMENTAL

IP Rating	IP20
Ambient Operating Temperature	-20-40 °C -4-104 °F

APPLICATIONS

- Office ceiling fixtures
- Retail display lighting
- Warehouse and industrial fixtures
- Ballast-bypass fluorescent retrofits
- Commercial corridor lighting

PROVENANCE — REVIEW COPY ONLY

slug	value	source	confidence
lumens	1,000 lm	db	high
cct_k	6,000 K	db	high
cri	80	db	high
beam_angle_deg	120°	db	high
led_lifetime_h	50,000 h	db	high
color	White	db	high
operating_voltage	120–277 V	db	high
wattage	18 W	db	high
finish	White	db	high
material	Acrylic cover + Aluminum	db	high
ip_rating	IP20	db	high
ambient_temp_c	-20–40 °C	db	high
warranty_years	1 y	db	high

Specifications subject to change without notice.