



T8 Glass LED Tube 48 in., 20W, 6000K, 2000 Lm, 80 CRI Frosted

- Delivers 2000 lumens at 20W for an efficient daylight-white output
- 6000K color temperature with 80 CRI for accurate color rendering
- Frosted acrylic and aluminum construction reduces glare
- 120-degree beam angle for wide light distribution
- Operates on 120-277VAC input across a broad voltage range
- Rated IP20 with a 1-year warranty and 50,000-hour LED lifetime

OVERVIEW

The Poli LED T8 glass tube is a 48-inch, Type B LED lamp designed for direct-wire installation in commercial, industrial, and residential fluorescent fixture retrofits. The frosted acrylic and aluminum construction provides uniform light diffusion and reduces glare across a 120-degree beam spread.

Operating at 20W with an input voltage range of 120-277VAC, this tube delivers 2000 lumens at a 6000K correlated color temperature, producing a crisp daylight-quality output. A CRI of 80 supports accurate color rendering in task and general ambient applications. The fixture is rated IP20 and suited to ambient temperatures from -20 to 40 degrees C, with an LED lifetime of 50,000 hours.

The product carries a 1-year warranty.

SPECIFICATIONS

OPTICAL

Luminous Flux	2,000 lm
Color Temperature	6,000 K
CRI	80
Beam Angle	120°
LED Lifetime	50,000 h
Light Color	White

MECHANICAL

Product Dimensions	48 × 1 × 1 in
Finish	White
Material	Acrylic cover + Aluminum
Weight	0.5 lb

ORDERING

Warranty	1 y
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ELECTRICAL

Operating Voltage	120-277 V
Wattage	20 W

ENVIRONMENTAL

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

APPLICATIONS

Commercial office lighting retrofits

Industrial warehouse fixtures

Fluorescent tube replacement in existing troffers

Residential utility and garage lighting

Retail and hospitality ambient lighting

PROVENANCE — REVIEW COPY ONLY

slug	value	source	confidence
lumens	2,000 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	20 W	db	high
product_dimensions	48 × 1 × 1 in	db	high
finish	White	db	high
material	Acrylic cover + Aluminum	db	high
weight	0.5 lb	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.