



LED T8 Frosted Glass Tube, 48 in.,
18W, 6500K, 1800 Lumens

- Delivers 1800 lumens at 18W for efficient overhead illumination
- 6500K color temperature with CRI 80 for crisp, cool white light
- Operates across 120-277VAC input range for flexible installation
- Acrylic cover with aluminum body construction, IP20 rated
- 120° beam angle for broad, even light distribution
- Rated for -20 to 40°C ambient operating temperature

OVERVIEW

The 8-T8-4-GL18-6K-F is an 18W LED T8 frosted glass tube measuring 48 inches in length, designed for general illumination in offices, schools, hospitals, and similar commercial or institutional environments. The frosted cover diffuses light evenly while reducing glare, making it suitable for overhead fixture applications.

This tube operates on 120-277V input and delivers 1800 lumens at 6500K with a CRI of 80, producing a crisp, cool white light appropriate for task-oriented spaces. The fixture carries an IP20 rating and is built from an acrylic cover with an aluminum body, rated for ambient temperatures of -20 to 40°C.

SPECIFICATIONS

OPTICAL

Luminous Flux	1,800 lm
Color Temperature	6,000 K
CRI	80
Beam Angle	120°
LED Lifetime	50,000 h
Light Color	White

MECHANICAL

Product Dimensions	48 × 1.25 × 1.25 in
Finish	White
Material	Acrylic cover + Aluminum
Weight	0.6 lb

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 overhead lighting
- School classroom fixtures
- Hospital and healthcare facility lighting
- Retail and commercial ceiling fixtures
- Warehouse and institutional general lighting

PROVENANCE — REVIEW COPY ONLY

slug	value	source	confidence
lumens	1,800 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
product_dimensions	48 × 1.25 × 1.25 in	db	high
finish	White	db	high
material	Acrylic cover + Aluminum	db	high
weight	0.6 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.