



48-Inch T8 LED Tube, 16W, 1000 Lumens, Cool White 6000K, IP20

- 48-inch length delivers 1,000 lumens at 16W input
- 6000K cool white color temperature with CRI of 80
- 270° beam angle for broad, even light distribution
- White acrylic cover over aluminum body, weighs 0.3 lb
- Rated for -20 to 40°C ambient operating range
- 50,000-hour LED lifetime backed by 1-year warranty

OVERVIEW

The 8-T8-4-A16-6K-F is a 48-inch T8 LED tube designed for indoor use in residential, commercial, and industrial fluorescent fixture retrofits. It operates on 120V AC and replaces standard fluorescent lamps to reduce energy consumption and maintenance requirements.

The tube draws 16W and delivers 1,000 lumens at 6000K cool white color temperature with a CRI of 80 and a 270° beam angle. The white acrylic cover over an aluminum body provides a clean, diffused appearance and weighs 0.3 lb. The IP20 rating confirms suitability for dry indoor environments, and the fixture is rated for ambient temperatures of -20 to 40°C with a 50,000-hour LED lifetime and a 1-year warranty.

SPECIFICATIONS

OPTICAL

Luminous Flux	1,000 lm
Color Temperature	6,000 K
CRI	80
Beam Angle	270°
LED Lifetime	50,000 h
Light Color	White

MECHANICAL

Product Dimensions	48.5 × 1.75 × 1.5 in
Length	4 m 13.1 ft
Finish	White
Material	Acrylic cover + Aluminum
Weight	0.3 lb

ORDERING

Warranty	1 y
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ELECTRICAL

Operating Voltage	120 V
Wattage	16 W

ENVIRONMENTAL

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

APPLICATIONS

- Fluorescent tube retrofit in commercial offices
- Warehouse and industrial facility lighting
- Retail and hospitality indoor ceiling fixtures
- Residential garages and utility rooms

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	270°	db	high
led_lifetime_h	50,000 h	db	high
color	White	db	high
operating_voltage	120 V	db	high
wattage	16 W	db	high
product_dimensions	48.5 × 1.75 × 1.5 in	db	high
length	4 m	pdf	high
finish	White	db	high
material	Acrylic cover + Aluminum	db	high
weight	0.3 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.