



LED T8 Sensor Tube 4 ft, Frosted, 18W, 5000K, Integrated Motion Sensor

- Integrated 10-meter motion sensor with 30-second delay
- Operates at 18W across 120-240VAC input range
- 5000K color temperature with SMD2835 LED chips
- CRI 85 with power factor greater than 0.97
- Rated for 50,000-hour LED lifetime
- IP20 rated for ambient temperatures from -20 to 40°C

OVERVIEW

The 8-T8-4-S18-5K-F is a 4 ft frosted LED T8 sensor tube designed for commercial and industrial spaces where occupancy-based lighting control is required. The integrated 10-meter motion sensor with a 30-second delay allows the fixture to operate autonomously, reducing energy consumption in corridors, storerooms, warehouses, and similar applications without requiring separate sensor hardware.

The tube operates at 18W, accepting an input voltage range of 120-240VAC. It delivers 5000K daylight output using SMD2835 LEDs with a CRI of 85 and a power factor greater than 0.97. Rated lifetime is 50,000 hours, with a 120° beam angle and IP20 environmental rating suited to indoor use across an ambient range of -20 to 40°C.

The fixture is backed by a 1-year warranty.

SPECIFICATIONS

OPTICAL

Color Temperature	5,000 K
CRI	85
Beam Angle	120°
LED Lifetime	50,000 h
Light Color	White

MECHANICAL

Finish	White
Material	Plastic cover + Aluminum

ORDERING

Warranty	1 y
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ELECTRICAL

Operating Voltage	120-240 V
Wattage	18 W

ENVIRONMENTAL

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

APPLICATIONS

Corridors and hallways

Storerooms and warehouses

Stairwells

Parking garages

Utility rooms

slug	value	source	confidence
cct_k	5,000 K	db	high
cri	85	db	high
beam_angle_deg	120°	db	high
led_lifetime_h	50,000 h	db	high
color	White	db	high
operating_voltage	120–240 V	db	high
wattage	18 W	db	high
finish	White	db	high
material	Plastic 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.

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