



T5 LED Integrated Tube, 46-Inch, 18W, 6500K, 120° Beam, 100 lm/W

- Delivers 100 lm/W efficacy at 18W input power
- 6500K daylight color temperature with CRI 80
- 120-degree beam angle for wide, even light spread
- Operates on 120-240V input for broad electrical compatibility
- Rated for 50,000-hour LED lifespan
- Includes connector and mounting clips for installation

OVERVIEW

The T5-46-18W is a 46-inch T5 LED tube constructed with an aluminum and plastic housing, designed for commercial and industrial retrofit or new-construction lighting applications requiring consistent, uniform illumination.

This tube operates at 18W and produces a 6500K daylight color output with CRI 80, delivering even light distribution across the fixture length at 100 lm/W efficacy and a 120-degree beam angle. The design is intended to reduce energy consumption compared to conventional fluorescent T5 lamps. Installation hardware, including a connector and mounting clips, is included.

The T5-46-18W is backed by a 3-year manufacturer warranty and rated for a 50,000-hour LED lifespan.

SPECIFICATIONS

OPTICAL

Efficacy	100 lm/W
Color Temperature	6,500 K
CRI	80
Beam Angle	120°
LED Lifetime	50,000 h

MECHANICAL

Product Dimensions	46 in
Material	Aluminum, Plastic

ELECTRICAL

Operating Voltage	120-240 V
Wattage	18 W
Input Connection Type	Connector

ORDERING

Warranty	3 y
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APPLICATIONS

- Commercial office retrofit lighting
- Warehouse and industrial facility lighting
- Retail display and aisle lighting
- Educational facility classroom lighting

PROVENANCE — REVIEW COPY ONLY

slug	value	source	confidence
efficacy_lm_per_w	100 lm/W	pdf	high
cct_k	6,500 K	pdf	high

slug	value	source	confidence
cri	80	pdf	high
beam_angle_deg	120°	pdf	high
led_lifetime_h	50,000 h	db	high
operating_voltage	120–240 V	db	high
wattage	18 W	db	high
input_connection_type	Connector	pdf	medium
product_dimensions	46 in	pdf	medium
material	Aluminum, Plastic	pdf	high
warranty_years	3 y	db	high

Specifications subject to change without notice.

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