

Project:

Type:

Prepared By:

Date:



UPC: 192552004763

Features and Benefits

- Replacement for conventional fluorescent T5HE tubes
- Integral Driver enables lamp to be wired directly to line voltage without need for an external driver or ballast
- Single and double ended wiring method works with both shunted and non-shunted sockets
- NSF Listed: NSF/ANSI Standard 2 - Food Equipment - Splash Zone (Not for Direct Food Zone without additional fixture considerations)

Technical Specifications

Performance

Product Type:

Linear Tube

Description:

T5HE Type B Bypass Single/Double ended tubes tubes ideal for office applications. Available in 4FT.

Wattage Equivalency:

28W Fluorescent

Input Wattage:

12.5W

Lumens:

1,700lm

Efficacy:

136lm/W

Lifespan:

50,000-Hour LED lifespan based on IES LM-80 results and TM-21 calculations

Electrical

THD:

≤25%

Power Factor:

≥0.9

Dimmable:

Yes, although not recommended for dimming applications.

Input Voltage:

120-277V

Operating Frequency:

50/60Hz

Input Current @ 120V (mA):

195mA

Input Current @ 208V (mA):

68mA

Input Current @ 240V (mA):

58mA

Input Current @ 277V (mA):

51mA

Operating Temperature:

-4°F to 113°F (-20°C to 45°C)

LED Characteristics

Beam Angle:

180°

Color Temperature:

3500K

Color Accuracy (CRI):

82 CRI

R9 Value:

High color performance with R9 greater than 0

Color Consistency:

<5-step MacAdam Ellipse binning to achieve consistent fixture-to-fixture color

Color Stability:

LED color temperature is warrantied to shift no more than 200K in color temperature over a 5-year period

Color Uniformity:

RAB's range of Correlated Color Temperature follows the guidelines of the American National Standard for Specifications for the Chromaticity of Solid State Lighting (SSL) Products, ANSI C78.377-2017.

Technical Specifications (continued)

Installation

Installation Method:

UL Type B, Ballast Bypass

Base Type:

G5

Construction

Nominal Length:

4 ft

Bulb Shape:

T5HE

Endcap Material:

Metal

Enclosure Material:

Glass

Lens Finish:

Frosted

Compliance

Listings:

UL Recognized, UL Classified

Environment:

Suitable for use in dry and damp environments. Not suitable for applications with direct sunlight.

Fixture Rating:

Suitable for use in enclosed fixtures

Certification Model Number:

T20070(T5HE-13-48G-835-SD-BYP)

T20 Compliant:

No

California Title 24 JA8 Compliant:

No

California Energy Commission (CEC) Status:

Lawful for Sales in California

NSF Listed:

Meets NSF/ANSI standards for use in Food Zone (non-contact), Splash, and Non-Food Zones. Tube guard required in open fixtures.

RoHS:

Mercury and UV free. RoHS-compliant components.

FCC:

Complies with Part 15B of the FCC Rules

DLC Listed:

This product is on the Design Lights Consortium (DLC) Qualified Products List and is eligible for rebates from DLC Member Utilities. Designed to meet DLC 5.1 requirements.

DLC Product Code: PLO9GI7QOL8F

Other

Compatible Products:

See Dimmer compatibility list.

Warranty:

RAB warrants that our LED products will be free from defects in materials and workmanship for a period of five (5) years from the date of delivery to the end user, including coverage of light output, color stability, driver performance and fixture finish. RAB's warranty is subject to all terms and conditions found at rablighting.com/warranty.

Minimum Compartment Size

Length x Width x Height [in]	Lamp Quantity
48	1

Case and Pallet Dimensions

	QTY	LENGTH (in)	WIDTH (in)	HEIGHT (in)
CASE	25	48.1	5.2	48
PALLET	2000	49.6	41.89	58.27

Dimension

