

Project:	Type:	Prepared By:	Date:
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Features and Benefits

- Replacement for conventional fluorescent T8 and T12 linear tubes
- Integral Driver enables lamp to be wired directly to line voltage without need for an external driver or ballast
- Single ended and double ended wiring method
- Works with non-shunted sockets and shunted sockets.
- Approximately 50% more energy efficient when compared to Fluorescent T8 lamps
- 50,000 hour Lifespan.
- Rated for use in enclosed and open fixtures in dry or damp locations
- Diffused frosted lens will maintain the same light quality over time
- Instant on full brightness
- Environmentally friendly, no mercury used
- NSF Listed: NSF/ANSI Standard 2 - Food Equipment - Splash Zone (Not for Direct Food Zone without additional fixture considerations)
- Internal thermal fuse for added safety

Technical Specifications

Performance

Product Type:

T8 Type B, Ballast Bypass

Description :

Single Ended or Double Ended wiring method makes these Type B tubes super flexible for in field installation.

Wattage Equivalency:

32W Fluorescent

Input Wattage:

14W

Lumens (Nominal):

1,800lm

Efficacy:

129lm/W

L70 Lifespan:

50,000-Hour LED lifespan based on IES LM-70 results

Electrical

Driver:

Constant Current, non-isolated driver 120-277V
50/60 Hz; 120V: 147mA; 208V: 77mA; 240V: 68mA;
277V: 61mA

THD:

<25%

Power Factor:

0.9

Dimmable:

Yes, but not recommended for dimming applications.

Input Voltage:

120-277V

Operating Temperature:

-4°F to 113°F(-20 to 45°C)

Flicker:

80%

LED Characteristics

Beam Angle:

200°

Color Temperature:

5000K

Color Accuracy (CRI):

≥80 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 warranted 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:

G13

Construction**Length:**

4 ft

Shape:

T8

Finish:

White

Endcap Material:

Polycarbonate

Enclosure Material:

Glass

Lens Finish:

Frosted

Compliance**Listings:**

UL Listed, UL Classified, UL Recognized

Environment:

Suitable for use indoors in dry and damp environments.

Fixture Rating:

Suitable for use in enclosed fixtures.
Suitable for use in open fixtures.

DLC Listed:

This product family is listed with the DesignLights Consortium (DLC). Individual SKUs within this family may carry either a DLC Standard or DLC Premium qualification. Please refer to the individual product specification sheet or the DLC Qualified Products List (QPL) at designlights.org to confirm the qualification status of a specific SKU prior to specification or purchase.

Certification Model Number:

T20117(T8-14-48G-850-SD-BYP)

California Title 20 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.

IESNA LM-79 & LM-80 Testing:

RAB LED luminaires and LED components have been tested by an independent laboratory in accordance with IESNA LM-79 and LM-80.

RoHS:

Mercury and UV free. RoHS-compliant components.

FCC:

Complies with Part 15 of the FCC Rules

Other**5-Year, No-Compromise 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	4

Case and Pallet Dimensions

	QTY	LENGTH (in)	WIDTH (in)	HEIGHT (in)
CASE	25	48.8	5.9	6
PALLET	1200	49.2	39.4	46.1

Dimension

