

<b>Project:</b>	<b>Type:</b>	<b>Prepared By:</b>	<b>Date:</b>
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### Features and Benefits

- Replacement for traditional fluorescent T8 lamps
- Single or double-ended line voltage wiring
- 3000/3500/4000/5000/6500K
- Frosted glass lens diffuses light evenly
- 50,000-Hour lifespan, DLC Listed, UL Classified, and dimmable in certain applications. Contact RAB for more information.

### Technical Specifications

<b>Performance</b>	<b>Lumens:</b>	<b>Efficacy:</b>
<b>Product Type:</b> Linear Tube	10.5W 1,565lm @ 3000K; 1,582lm @ 3500K; 1,654lm @ 4000K; 1,658lm @ 5000K; 1,651lm @ 6500K	10.5W 148lm/W @ 3000K; 149lm/W @ 3500K; 156lm/W @ 4000K; 156lm/W @ 5000K; 156lm/W @ 6500K
<b>Description:</b> These Type B single + double-ended bypass tubes pack a ton of features into one lamp with selectable CCT. Selectable wattage reduces stocking SKUs even more!	12W 1,800lm @ 3000K; 1,853lm @ 3500K; 1,877lm @ 4000K; 1,881lm @ 5000K; 1,872lm @ 6500K	12W 148lm/W @ 3000K; 152lm/W @ 3500K; 154lm/W @ 4000K; 154lm/W @ 5000K; 153lm/W @ 6500K
<b>Wattage Equivalency:</b> 32W T8 Fluorescent	14.5W 2,204lm @ 3000K; 2,262lm @ 3500K; 2,270lm @ 4000K; 2,275lm @ 5000K; 2,260lm @ 6500K	14.5W 150lm/W @ 3000K; 154lm/W @ 3500K; 154lm/W @ 4000K; 155lm/W @ 5000K; 154lm/W @ 6500K
<b>Input Wattage:</b> 10.5/12/14W		<b>L70 Lifespan:</b> 50,000-Hour LED lifespan based on IES LM-70 results
		<b>Electrical</b>
		<b>THD:</b> <20%



**Technical Specifications (continued)****Power Factor:**

0.9

**Dimmable:**

Yes, but not recommended for dimming applications.

**Input Voltage:**

120-277V

**Operating Frequency:**

50/60Hz

**Input Current @ 120V (mA):**

83mA/94mA/113mA

**Input Current @ 208V (mA):**

48mA/54mA/65mA

**Input Current @ 240V (mA):**

41mA/47mA/56mA

**Input Current @ 277V (mA):**

36mA/41mA/49mA

**Operating Temperature:**

-4°F to 113°F (-20°C to 45°C)

**Flicker:**

50%

**LED Characteristics****Beam Angle:**

300°

**Color Temperature:**Field adjustable via dip switch  
3000/3500/4000/5000/6500K**Color Accuracy (CRI):**

≥80 CRI

**R9 Value:**

High color performance with R9 no greater than 0

**Color Consistency:**

&lt;5-step MacAdam Ellipse @ 3000K/6500K binning to achieve consistent fixture-to-fixture color

&lt;7-step MacAdam Ellipse @ 3500K/4000K/5000K 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.

**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 Recognized, UL Classified

**Environment:**

Suitable for use indoors in dry and damp environments.

**Fixture Rating:**

Suitable for use in enclosed 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](http://designlights.org) to confirm the qualification status of a specific SKU prior to specification or purchase.**Certification Model Number:**

T10295(T8FA-10.5-48G-8CCT-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.

**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](http://rablighting.com/warranty).

**Case and Pallet Dimensions**

	QTY	LENGTH (in)	WIDTH (in)	HEIGHT (in)
<b>CASE</b>	25	49.61	7.87	7.87
<b>PALLET</b>	625	47.24	43.31	47.24

**Dimension**

