



UPC: 019813601687

These Hybrid Type A/B tubes allow installation on the ballast or direct wiring to line voltage.

Color: White

Weight: 0.5 lbs

|              |       |
|--------------|-------|
| Project:     | Type: |
| Prepared By: | Date: |

Technical Specifications

Performance

Product Type:  
Linear Tube

Wattage Equivalency:  
32W Fluorescent

Input Wattage:  
13W

Lumens:  
2,000lm

Efficacy:  
154lm/W

L70 Lifespan:  
50,000-Hour LED lifespan based on IES LM-70 results

Electrical

THD:  
Type A: Dependent on ballast  
Type B: <20%

Power Factor:  
Type A: Dependent on ballast  
Type B: >0.9

Dimmable:

Type A: Yes  
Type B: No

Dimming Type:  
Compatible 0-10V dimmer and ballast, see Dimmer  
Compatibility List

Input Voltage:  
Type A: Ballast dependent  
Type B: 120-277V

Operating Frequency:  
50/60Hz

Input Current @ 120V (mA):  
Type B: 120mA

Input Current @ 208V (mA):  
Type B: 0.07mA

Input Current @ 240V (mA):  
Type B: 0.06mA

Input Current @ 277V (mA):  
Type B: 0.05mA

Operating Temperature:  
-4°F to 113°F (-20°C to 45°C)

Flicker:

Type A: Depends on ballast ~<15%  
Type B: 50%-70%

LED Characteristics

Color Temperature:  
4000K

Color Accuracy (CRI):  
>80 CRI

R9 Value:  
High color performance with R9 no less than 0

Color Consistency:  
<4-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 A+B, Hybrid

**Base Type:**

G13

**Construction****Nominal Length:**

2 ft

**Shape:**

T8

**Endcap Material:**

Plastic

**Enclosure Material:**

Plastic

**Lens Finish:**

Frosted

**Compliance****Listings:**

UL Listed, UL Classified

**Environment:**

Suitable for use in dry and damp environments

**Fixture Rating:**

Suitable for use in enclosed fixtures

**California Title 24 JA8 Compliant:**

Not applicable

**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 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](https://www.designlights.org) to confirm the qualification status of a specific SKU prior to specification or purchase.

**Other****Compatible Products:**

See Dimmer and Ballast compatibility lists.

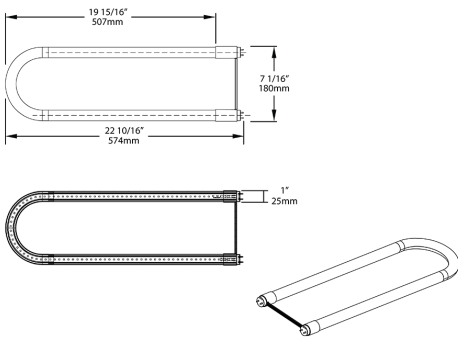
**5-Year, No-Compromise Warranty:**

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](https://rablighting.com/warranty).

Case and Pallet Dimensions

|        | QTY | LENGTH (in) | WIDTH (in) | HEIGHT (in) |
|--------|-----|-------------|------------|-------------|
| CASE   | 12  | 0           | 0          | 0           |
| PALLET | 0   | 0           | 0          | 0           |

Dimension



Features

- Direct Replacement for 32W/23T8/U6 Fluorescent Lamps
- TYPE A - Plug and play compatible with most common commercial instant start T8 electronic ballasts
- TYPE B - can be wired directly to line voltage 120-277V. Can be wired using Single or Double ended method.
- Works with both shunted and non-shunted sockets
- Rated for use in enclosed and open fixtures in dry or damp locations

Ordering Matrix

| Family | Wattage  | Length/Material | CRI/Color Temp                                                                           | Wiring Method              | Installation Type |
|--------|----------|-----------------|------------------------------------------------------------------------------------------|----------------------------|-------------------|
| T8     | 13       | U6G             | 840                                                                                      | SD                         | HYB               |
|        | 13 = 13W | U6G = U6G       | 850 = 80 CRI, 5000K<br>840 = 80 CRI, 4000K<br>835 = 80 CRI, 3500K<br>830 = 80 CRI, 3000K | SD = Single & Double Ended | HYB = Hybrid      |