

# Field-Adjustable, Hybrid Type A/B, T8 Tube



PROJECT:

DATE:

TYPE:

PREPARED BY:



## KEY FEATURES

- Direct replacement for fluorescent lamps: F32T8/32W, F32T8/30W, F32T8/28W, F32T8/25W
- TYPE A - plug-and-play compatible with most common commercial 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
- 5 color temperatures in 1 SKU (3000K, 3500K, 4000K, 5000K, 6500K)
- Rated for use in **enclosed** fixtures in **dry** or **damp** locations
- 50,000-Hour lifespan

## Field-adjustable, hybrid type A/B, T8 tube



UL  
CLASSIFIED



FIELD  
ADJUSTABLE



80 CRI



50,000  
HOURS



120-277V



DIMMABLE



RoHS



FCC

## PERFORMANCE

Catalog Number	Length	Input Voltage	Dimming	Color Temperature	CRI	L70 Lifespan	DLC ID
T8-12-48G-8CCT-HYB	4FT	Type A: Ballast dependent	Yes, 0-10V & Phase cut	5 CCT adjustable 3000/3500/4000/5000/6500K	80+	50,000	S-0GTH45
T8-15-48G-8CCT-HYB		Type B: 120-277V					S-CONSAX

Catalog Number	Lamp Wattage Type B	System Wattage with Ballast Type A	CCT	Efficacy	Lumens	Equivalency Wattage
T8-12-48G-8CCT-HYB	11.3W	12.9W	3000K	141 Lm/W	1,600 Lm	32W Fluorescent
			3500K	146 Lm/W	1,647 Lm	
			4000K	147 Lm/W	1,663 Lm	
			5000K	148 Lm/W	1,679 Lm	
			6500K	142 Lm/W	1,610 Lm	

Catalog Number	Lamp Wattage Type B	System Wattage with Ballast Type A	CCT	Efficacy	Lumens	Equivalency Wattage
T8-15-48G-8CCT-HYB	14.6W	16.5W	3000K	145 Lm/W	2,124 Lm	32W Fluorescent
			3500K	149 Lm/W	2,186 Lm	
			4000K	150 Lm/W	2,200 Lm	
			5000K	151 Lm/W	2,218 Lm	
			6500K	146 Lm/W	2,133 Lm	

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## TECHNICAL SPECIFICATIONS

### CONSTRUCTION

<b>Product Type</b> Linear tube	<b>Endcap Material</b> Plastic
<b>Length (Nominal)</b> 4FT	<b>Lens Finish</b> Frosted
<b>Bulb Shape</b> T8	<b>Base Type</b> G13
<b>Enclosure Material</b> Glass	<b>Beam Angle</b> 220°

### COMPLIANCE

**Safety Listing**

UL Classified, UL Listed

**Environment**

Suitable for use in dry and damp environments.

**Fixture Rating**

Suitable for use in enclosed fixtures.

**DLC**

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.

**California Energy Commission (CEC) Status**

Lawful for Sale 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.

### ELECTRICAL

**THD**

≤25%

**Power Factor**

>0.9

**Input Voltage**

Type A: Ballast dependent

Type B: 120-277V

**Operating Frequency**

60Hz

**Operating Temperature**

-4°F to 113°F (-20°C to 45°C)

**Dimming**

Yes

**Dimming Type**

0-10V & Phase cut

**Flicker**

<40%

### INSTALLATION

**Installation Method**

UL Type A+B, Hybrid

### LED CHARACTERISTICS

**Color Temperature**

Field-adjustable via dip switch 3000K/3500K/4000K/5000K/6500K

**Color Accuracy (CRI)**

>80

**R9 Value**

High color performance with R9 no less than 0

**Color Consistency**

<6-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.

### OTHER

**Compatible Products**

See Dimmer and Ballast compatibility lists.

**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)

**Note**

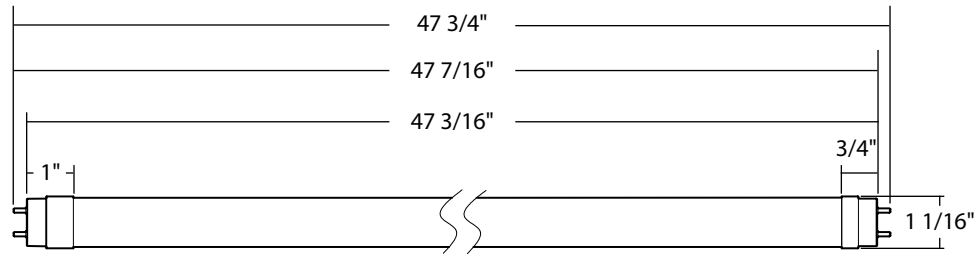
All values are typical (tolerance +/- 10%)

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## DIMENSIONS

Field-adjustable T8 tube  
Weight: 0.41lb



## ORDERING INFO

Catalog Number	Model Number	UPC	Case Pack
T8-12-48G-8CCT-HYB	T10370(T8-12-48G-8CCT-HYB)	192552024587	25
T8-15-48G-8CCT-HYB	T10371(T8-15-48G-8CCT-HYB)	192552024594	25

## ORDERING MATRIX

Family	Wattage	Length	Material	CRI/Color Temp	Voltage	Installation Type
T8	-	48	G	8CCT	-	HYB
	12 12W 15 15W	48 4FT	G Glass	8CCT 80CRI, 6500K/5000K/4000K/3500K/3000K Field-adjustable	Blank 120-277V	HYB Hybrid