

CCT 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

1 SKU with 10 options



UL CLASSIFIED



FIELD ADJUSTABLE



80 CRI



50,000 HOURS



120-277V



DIMMABLE



RoHS



FCC

PERFORMANCE

Catalog Number	Length	Equivalency Wattage	Lumens	Efficacy	Input Voltage	Dimming	DLC ID
T8-7.5-24G-8CCT-HYB	2FT	17W Fluorescent	1,150 Lm	153 Lm/W	Type A: Ballast dependent Type B: 120-277V	Type A: 0-10V depending on ballast Type B: Phasedimming @120V	S-T4JAPF
T8-11-36G-8CCT-HYB	3FT	25W Fluorescent	1,500 Lm	136 Lm/W			S-YAUBC3
T8-12-48G-8CCT-HYB	4FT	32W Fluorescent	1,663 Lm	147 Lm/W			S-0GTH45
T8-15-48G-8CCT-HYB			2,200 Lm	150 Lm/W			S-CONSAX

Catalog Number	Lamp Wattage Type B	System Wattage with Ballast Type A	CCT	Efficacy	Lumens	Equivalency Wattage
T8-7.5-24G-8CCT-HYB	7.7W	8.8W	3000K	140 Lm/W	1,081 Lm	17W Fluorescent
			3500K	144 Lm/W	1,111 Lm	
			4000K	147 Lm/W	1,133 Lm	
			5000K	149 Lm/W	1,146 Lm	
			6500K	148 Lm/W	1,137 Lm	

Catalog Number	Lamp Wattage Type B	System Wattage with Ballast Type A	CCT	Efficacy	Lumens	Equivalency Wattage
T8-11-36G-8CCT-HYB	10.8W	12.2W	3000K	141 Lm/W	1,527 Lm	25W Fluorescent
			3500K	146 Lm/W	1,580 Lm	
			4000K	149 Lm/W	1,612 Lm	
			5000K	151 Lm/W	1,636 Lm	
			6500K	149 Lm/W	1,612 Lm	

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PERFORMANCE (CONT.)

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	

TECHNICAL SPECIFICATIONS

CONSTRUCTION

Product Type Linear tube	Endcap Material Plastic
Length (Nominal) 2FT, 3FT, 4FT	Lens Finish Frosted
Bulb Shape T8	Base Type G13
Enclosure Material Glass	Beam Angle 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: 0-10V depending on ballast Type B: Phase dimming @ 120V
Operating Frequency 60Hz
Operating Temperature -4°F to 113°F (-20°C to 45°C)
Dimming Yes
Dimming Type Type A: Phase @ 120V Type B: 0-10V dimmer and driver (See Dimmer Compatibility List)
Flicker <40%

INSTALLATION

Installation Method UL Type A+B, Hybrid

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TECHNICAL SPECIFICATIONS

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 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.

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.

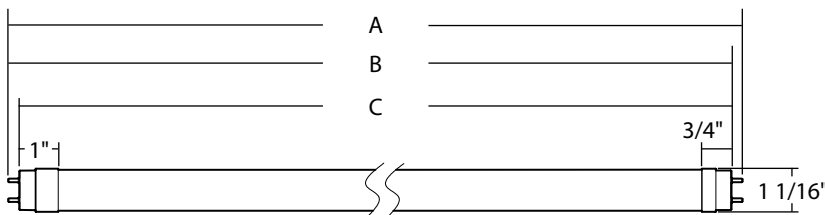
RAB's warranty is subject to all terms and conditions found at rablighting.com/warranty

Note

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

DIMENSIONS

Field-adjustable T8 tube



T8 Tube	Weight	A	B	C
2FT	0.29lb	23 3/4"	23 7/16"	23 3/16"
3FT	0.37lb	35 3/4"	35 7/16"	35 3/16"
4FT	0.41lb	47 3/4"	47 7/16"	47 3/16"

ORDERING INFO

Catalog Number	Model Number	UPC	Case Pack
T8-7.5-24G-8CCT-HYB	T10384(T8-7.5-24G-8CCT-HYB)	192552027922	25
T8-11-36G-8CCT-HYB	T10385(T8-11-36G-8CCT-HYB)	192552027939	25
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	-	-	G	-	-	HYB
	7.5 7.5W (2ft)	24 2FT	G Glass	8CCT 80CRI, 6500K/5000K/4000K/3500K/3000K Field-adjustable	Blank 120-277V	HYB Hybrid
	11 11W (3ft)	36 3FT				
	12 12W (4ft)	48 4FT				
	15 15W (4ft)					