

Project:	Type:
Prepared By:	Date:

Driver Info		LED Info	
Type	Constant Current	Watts	11.5/13/15W
120V	.098/.110/.127A	Color Temp	3000/3500/4000/5000/6500K
208V	.058/.066/.076A	Color Accuracy	82 CRI
240V	.051/.058/.066A	L70 Lifespan	50,000 Hours
277V	.045/.051/.059A	Lumens	1,800/2,000/2,200 lm
Input Watts	11.5/13/15W	Efficacy	156/154/147 lm/W

Technical Specifications

Performance

Product Type:

Linear Tube

Description:

Hybrid Type A/B tubes allow installation on the ballast or direct wiring to line voltage. Now available with adjustable 5CCT switch.

Wattage Equivalency:

32W Fluorescent

Input Wattage:

11.5/13/15W

Lumens:

11.5W
3000K @ 1,700lm; 3500K @ 1,700lm; 4000K @ 1,800lm; 5000K @ 1,800lm; 6500K @ 1,800lm

13W
3000K @ 1,900lm; 3500K @ 1,900lm; 4000K @ 2,000lm; 5000K @ 2,000lm; 6500K @ 2,000lm

15W
3000K @ 2,100lm; 3500K @ 2,100lm; 4000K @ 2,200lm; 5000K @ 2,200lm; 6500K @ 2,200lm

Efficacy:

11.5W
3000K @ 148lm/W; 3500K @ 148lm/W; 4000K @ 157lm/W; 5000K @ 157lm/W; 6500K @ 157lm/W

13W
3000K @ 146lm/W; 3500K @ 146lm/W; 4000K @ 154lm/W; 5000K @ 154lm/W; 6500K @ 154lm/W

15W
3000K @ 140lm/W; 3500K @ 140lm/W; 4000K @ 147lm/W; 5000K @ 147lm/W; 6500K @ 147lm/W

L70 Lifespan:

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

Electrical

THD:

<25%

Power Factor:

>0.9

Dimmable:

Type B: Triac Dimming @ 120V only
Type A: 0-10V dimming with compatible dimmable fluorescent ballast and 0-10V Dimmer

Input Voltage:

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

Operating Frequency:

50/60Hz

Input Current @ 120V (mA):

98/110/127mA

Input Current @ 208V (mA):

58/66/76mA

Input Current @ 240V (mA):

51/58/66mA

Input Current @ 277V (mA):

45/51/59mA

Operating Temperature:

-4°F to 113°F (-20°C to 45°C)

Flicker:

<40%

LED Characteristics

Beam Angle:

160°

Color Temperature:

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

Color Accuracy (CRI):

82 CRI

Technical Specifications (continued)**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.

Installation**Installation Method:**

UL Type A/B, Hybrid

Base Type:

2G13

Construction**Nominal Length:**

2 ft

Bulb Shape:

T8 U1

Endcap Material:

Plastic

Enclosure Material:

Glass

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

DLC Listed:

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.

DLC ID:

S-7XQWPB

Certification Model Number:

T10291(T8-U1G-SD-HYB)

T20 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

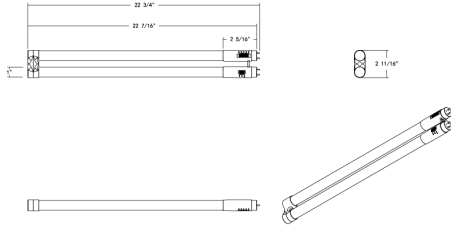
Other**Compatible Products:**

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.

Dimensions



Features

3 selectable wattage and 5 Color temperatures to choose from

Direct Replacement for Fluorescent Lamps: F32T8/32W, F32T8/30W, F32T8/28W, F32T8/25W

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

Ordering Matrix

Family	Wattage	Length/Material	CRI/Color Temp	Driver	Wiring Method	Installation Type
T8		U1G			SD	HYB
	Blank = 11.5/13/15W	U6G = Ubend 6", Glass U1G = Ubend 1", Glass	Blank = 80 CRI, CCT Adjustable 3000/3500/4000/5000/6500K	Blank = 120-277V	SD = Single & Double Ended	HYB = Hybrid