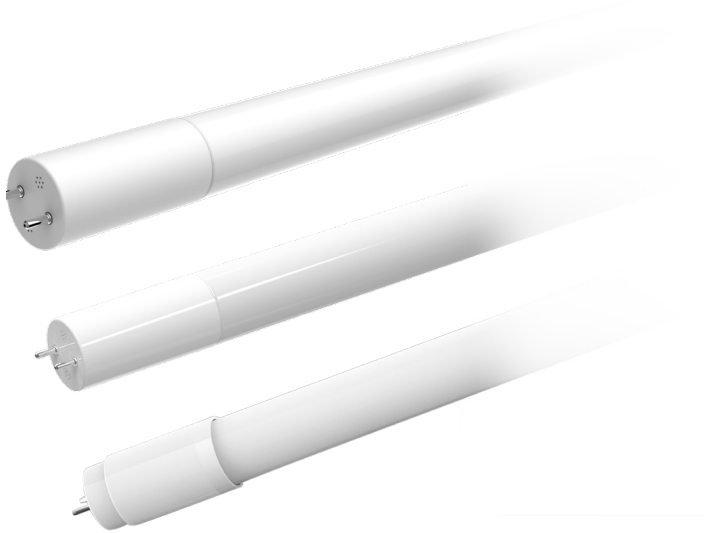
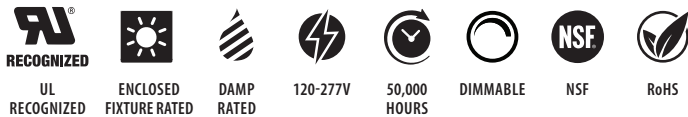


# T8 S/D Bypass



Single / Double Ended



PROJECT: \_\_\_\_\_

DATE: \_\_\_\_\_

TYPE: \_\_\_\_\_

PREPARED BY: \_\_\_\_\_



## KEY FEATURES

- Replacement for conventional fluorescent T8 and T12 linear tubes
- Integral Driver enables lamp to be wired directly to line voltage without need for an external driver or ballast
- Single-ended and double-ended wiring method
- Works with non-shunted sockets and shunted sockets
- NSF Listed: NSF/ANSI Standard 2 - Food Equipment - Splash Zone (Not for Direct Food Zone without additional fixture considerations)
- 5-Year, No-Compromise Warranty

## PERFORMANCE

Catalog Number	Equivalency	Input Wattage	Lumens	Efficacy	Color Temperature	CRI	L70 Lifespan	DLC ID
T8-14-48G-830-SD-BYP	32W Fluorescent	14W	1,700 lm	121 lm/W	3000K	>82	50,000 hrs	PO5EJH1X
T8-14-48G-835-SD-BYP	32W Fluorescent	14W	1,700 lm	121 lm/W	3500K	>82	50,000 hrs	P228KRZ1
T8-14-48G-840-SD-BYP	32W Fluorescent	14W	1,800 lm	129 lm/W	4000K	>82	50,000 hrs	PNA89F5K
T8-14-48G-850-SD-BYP	32W Fluorescent	14W	1,800 lm	129 lm/W	5000K	>82	50,000 hrs	P18N3BUA
T8-17-48G-830-SD-BYP	32W Fluorescent	17W	2,100 lm	124 lm/W	3000K	>82	50,000 hrs	P8NHRT2N
T8-17-48G-835-SD-BYP	32W Fluorescent	17W	2,100 lm	124 lm/W	3500K	>82	50,000 hrs	P6BANSI5
T8-17-48G-840-SD-BYP	32W Fluorescent	17W	2,200 lm	129 lm/W	4000K	>82	50,000 hrs	PLZWAF57
T8-17-48G-850-SD-BYP	32W Fluorescent	17W	2,200 lm	129 lm/W	5000K	>82	50,000 hrs	PRMKONCV
T8-9-24G-830-SD-BYP	17W Fluorescent	9W	1,100 lm	122 lm/W	3000K	>82	50,000 hrs	PIVV0DFM
T8-9-24G-835-SD-BYP	17W Fluorescent	9W	1,100 lm	122 lm/W	3500K	>82	50,000 hrs	PTNK0MM7
T8-9-24G-840-SD-BYP	17W Fluorescent	9W	1,150 lm	128 lm/W	4000K	>82	50,000 hrs	PROTUT1T
T8-9-24G-850-SD-BYP	17W Fluorescent	9W	1,150 lm	128 lm/W	5000K	>82	50,000 hrs	PW8M78VM
T8-10.5-48G-835-SD-BYP	25/28/30/32W Fluorescent	10.5W	1,700 lm	160 lm/W	3500K	82	50,000 hrs	PLO4YVNCRS34
T8-10.5-48G-840-SD-BYP	25/28/30/32W Fluorescent	10.5W	1,700 lm	160 lm/W	4000K	82	50,000 hrs	PLJCU2N7A1YY

## PERFORMANCE (CONTINUED)

Catalog Number	Equivalency	Input Wattage	Lumens	Efficacy	Color Temperature	CRI	L70 Lifespan	DLC ID
T8-10.5-48G-850-SD-BYP	25/28/30/32W Fluorescent	10.5W	1,700 lm	160 lm/W	5000K	82	50,000 hrs	PLLRQSQF99V5
T8-17.5-48G-830-SD-BYP	32W Fluorescent	17.5W	2,300 lm	131 lm/W	3000K	83	50,000 hrs	PO6FKUTW
T8-17.5-48G-835-SD-BYP	32W Fluorescent	17.5W	2,400 lm	137 lm/W	3500K	83	50,000 hrs	PG7NBLAV
T8-17.5-48G-840-SD-BYP	32W Fluorescent	17.5W	2,500 lm	143 lm/W	4000K	83	50,000 hrs	P36AOL1L
T8-17.5-48G-850-SD-BYP	32W Fluorescent	17.5W	2,500 lm	143 lm/W	5000K	83	50,000 hrs	P3GJ2TYY
T8-9.5-48G-830-SD-BYP/2	32W Fluorescent	9.5W	1,550 lm	163 lm/W	3000K	82	50,000 hrs	S-E5UXHI
T8-9.5-48G-835-SD-BYP/2	32W Fluorescent	9.5W	1,550 lm	163 lm/W	3500K	82	50,000 hrs	S-I8BYLH
T8-9.5-48G-840-SD-BYP/2	32W Fluorescent	9.5W	1,650 lm	174 lm/W	4000K	82	50,000 hrs	S-CTKWUQ
T8-9.5-48G-850-SD-BYP/2	32W Fluorescent	9.5W	1,650 lm	174 lm/W	5000K	82	50,000 hrs	S-K37SEL
T8-13-48G-830-SD-BYP	32W Fluorescent	13W	2,100 Lm	162 Lm/W	3000K	82	50,000 hrs	S-4R2IZL
T8-13-48G-835-SD-BYP	32W Fluorescent	13W	2,100 Lm	162 Lm/W	3500K	82	50,000 hrs	S-I9AKN1
T8-13-48G-840-SD-BYP	32W Fluorescent	13W	2,200 Lm	169 Lm/W	4000K	82	50,000 hrs	S-OHXPCV
T8-13-48G-850-SD-BYP	32W Fluorescent	13W	2,200 Lm	169 Lm/W	5000K	82	50,000 hrs	S-N7JWCA
T8-10.5-48G-840-SD-BYP USA	32W Fluorescent	10.5W	1,700 lm	162 lm/W	4000K	82	50,000 hrs	PLQLV8K3X9JE
T8-12-48G-840-SD-BYP USA	32W Fluorescent	12W	1,800 lm	150 lm/W	4000K	82	50,000 hrs	PLB5HY949YWW
T8-14-48G-840-SD-BYP USA	32W Fluorescent	14W	1,800 lm	129 lm/W	4000K	82	50,000 hrs	PL75MV7P40UW
T8-15-48G-840-SD-BYP USA	32W Fluorescent	15W	2,200 lm	147 lm/W	4000K	82	50,000 hrs	PL6I3LYQ2QXN
T8-9-24G-840-SD-BYP USA	17W Fluorescent	9W	1,150 lm	128 lm/W	4000K	82	50,000 hrs	POTUMREO
T8-12-36G-840-SD-BYP USA	25W Fluorescent	12W	1,450 lm	121 lm/W	4000K	82	50,000 hrs	PY37Y0VK

## TECHNICAL SPECIFICATIONS

### CONSTRUCTION

<b>Product Type</b> Linear Tube	<b>Lens Finish</b> Frosted
<b>Length (Nominal)</b> 2ft, 3ft, 4ft	<b>Beam Angle</b> 230°
<b>Bulb Shape</b> T8	
<b>Enclosure Material</b> Glass	
<b>Endcap Material</b> Plastic	
<b>Base Type</b> G13	

### ELECTRICAL

<b>Dimmable</b> Yes, but not recommended for dimming applications.
<b>THD</b> <20%
<b>Power Factor</b> >0.9
<b>Input Voltage</b> 120-277V
<b>Operating Frequency</b> 50/60 Hz
<b>Operating Temperature</b> -4°F to 113°F (-20°C to 45°C)

## TECHNICAL SPECIFICATIONS (CONTINUED)

### COMPLIANCE

#### NSF Listing

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.

#### 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.

#### 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.

#### Listing

UL Classified, UL Recognized

#### Environment

Suitable for use in dry and damp environments.

#### Fixture Rating

Suitable for use in enclosed fixtures

#### California Energy Commission (CEC) Status

Lawful for sales in California

### LED Characteristics

#### 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 B, Ballast Bypass

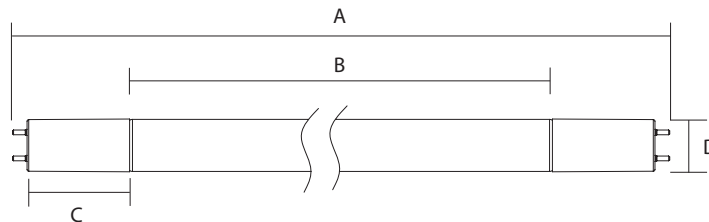
### OTHER

#### 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.

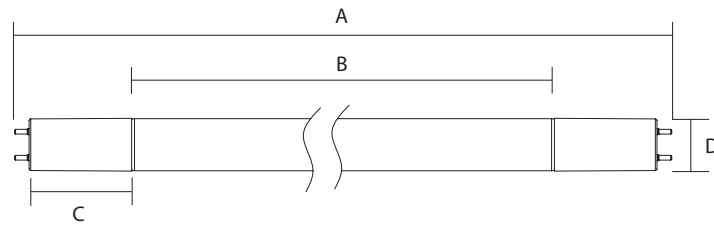
RAB's warranty is subject to all terms and conditions found at [rablighting.com/warranty](http://rablighting.com/warranty).

## DIMENSIONS



Catalog Number	A	B	C	D
T8-14-48G-8XX-SD-BYP	47 3/16"	43 1/4"	4 15/16"	1"
T8-17-48G-8XX-SD-BYP	47 3/16"	43 1/4"	4 15/16"	1"
T8-9-24G-8XX-SD-BYP	23 3/16"	19 1/4"	4 15/16"	1"
T8-10.5-48G-8XX-SD-BYP	47 3/16"	43 1/4"	4 15/16"	1"
T8-17.5-48G-8XX-SD-BYP	47 3/4"	45"	2 3/4"	1"
T8-9.5-48G-8XX-SD-BYP/2	47 3/4"	45"	2 3/4"	1 1/8"
T8-13-48G-8XX-SD-BYP	47 3/4"	45 1/2"	2 1/4"	1"

## DIMENSIONS (CONTINUED)



Catalog Number	A	B	C	D
T8-10.5-48G-840-SD-BYP USA	47 3/4"	45 3/4"	2"	1"
T8-12-48G-840-SD-BYP USA	47 3/4"	45 3/4"	2"	1"
T8-14-48G-840-SD-BYP USA	47 3/4"	45 3/4"	2"	1"
T8-15-48G-840-SD-BYP USA	47 3/4"	45 3/4"	2"	1"
T8-9-24G-840-SD-BYP USA	23 3/4"	21 3/4"	2"	1"
T8-12-36G-840-SD-BYP USA	35 3/4"	33 3/4"	2"	1"

## ORDERING INFO

Catalog Number	Model Number (DLC/Energy Star)	UPC	Case Pack
T8-14-48G-830-SD-BYP	T8-14-48G-830-SD-BYP	019813751795	25
T8-14-48G-835-SD-BYP	T8-14-48G-835-SD-BYP	019813751801	25
T8-14-48G-840-SD-BYP	T8-14-48G-840-SD-BYP	019813751818	25
T8-14-48G-850-SD-BYP	T8-14-48G-850-SD-BYP	019813751825	25
T8-17-48G-830-SD-BYP	T8-17-48G-830-SD-BYP	019813751832	25
T8-17-48G-835-SD-BYP	T8-17-48G-835-SD-BYP	019813751849	25
T8-17-48G-840-SD-BYP	T8-17-48G-840-SD-BYP	019813751856	25
T8-17-48G-850-SD-BYP	T8-17-48G-850-SD-BYP	019813751863	25
T8-9-24G-830-SD-BYP	T8-9-24G-830-SD-BYP	019813751757	25
T8-9-24G-835-SD-BYP	T8-9-24G-835-SD-BYP	019813751764	25
T8-9-24G-840-SD-BYP	T8-9-24G-840-SD-BYP	019813751771	25
T8-9-24G-850-SD-BYP	T8-9-24G-850-SD-BYP	019813751788	25
T8-10.5-48G-835-SD-BYP	T10046	019813833361	25
T8-10.5-48G-840-SD-BYP	T10047	019813833378	25
T8-10.5-48G-850-SD-BYP	T10048	019813833385	25

## ORDERING INFO (CONTINUED)

Catalog Number	Model Number (DLC/Energy Star)	UPC	Case Pack
T8-17.5-48G-830-SD-BYP	T10313(T8-17.5-48G-830-SD-BYP)	192552004893	25
T8-17.5-48G-835-SD-BYP	T10314(T8-17.5-48G-835-SD-BYP)	192552004909	25
T8-17.5-48G-840-SD-BYP	T10315(T8-17.5-48G-840-SD-BYP)	192552004916	25
T8-17.5-48G-850-SD-BYP	T10316(T8-17.5-48G-850-SD-BYP)	192552004923	25
T8-9.5-48G-830-SD-BYP/2	T20073(T8-9.5-48G-830-SD-BYP/2)	192552004855	25
T8-9.5-48G-835-SD-BYP/2	T20074(T8-9.5-48G-835-SD-BYP/2)	192552004862	25
T8-9.5-48G-840-SD-BYP/2	T20075(T8-9.5-48G-840-SD-BYP/2)	192552004879	25
T8-9.5-48G-850-SD-BYP/2	T20076(T8-9.5-48G-850-SD-BYP/2)	192552004886	25
T8-13-48G-830-SD-BYP	T20077(T8-13-48G-830-SD-BYP)	192552004930	25
T8-13-48G-835-SD-BYP	T20078(T8-13-48G-835-SD-BYP)	192552004947	25
T8-13-48G-840-SD-BYP	T20079(T8-13-48G-840-SD-BYP)	192552004954	25
T8-13-48G-850-SD-BYP	T20080(T8-13-48G-850-SD-BYP)	192552004961	25
T8-10.5-48G-840-SD-BYP USA	T10247(T8-10.5-48G-840-SD-BYP USA)	192552001816	25
T8-12-48G-840-SD-BYP USA	T10251(T8-12-48G-840-SD-BYP USA)	192552001823	25
T8-14-48G-840-SD-BYP USA	T10255(T8-14-48G-840-SD-BYP USA)	192552001830	25
T8-15-48G-840-SD-BYP USA	T10259(T8-15-48G-840-SD-BYP USA)	192552001847	25
T8-9-24G-840-SD-BYP USA	T10263(T8-9-24G-840-SD-BYP USA)	192552001854	25
T8-12-36G-840-SD-BYP USA	T10267(T8-12-36G-840-SD-BYP USA)	192552001861	25

## ORDERING MATRIX

Family	Wattage	Length	Material	CRI/Color Temp	Wiring Method	Installation Type	Made In USA	Generation
<b>T8</b>	- <b>9</b>	- <b>48</b>	<b>G</b>	-	- <b>SD</b>	- <b>BYP</b>	<b>Blank</b>	<b>Blank</b>
	<b>9</b> 9W	<b>48</b> 4Ft	<b>G</b> Glass	<b>850</b> 80 CRI, 5000K	<b>SD</b> Single/Double Ended	<b>BYP</b> Type B, Ballast Bypass	<b>Blank</b> Not BAA Compliant	<b>Blank</b> /2 Generation 1
	<b>9.5</b> 9.5W	<b>36</b> 3Ft		<b>840</b> 80 CRI, 4000K			<b>USA</b> BAA Compliant	Blank Generation 2
	<b>10.5</b> 10.5W	<b>24</b> 2Ft		<b>835</b> 80 CRI, 3500K				
	<b>12</b> 12W			<b>830</b> 80 CRI, 3000K				
	<b>13</b> 13W							
	<b>14</b> 14W							
	<b>17</b> 17W							
	<b>17.5</b> 17.5W							

### Notes

- 2ft only available in 9W
- 3ft only available in 12W
- 4ft only available in 9.5W, 10.5W, 12W, 13W, 14W, 17W, 17.5W