

**RAB** | Lamps

Linear Tubes  
Compacts





# FIRST CLASS

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## People

RAB has assembled an incredibly passionate team of lighting and technology experts to launch our Lamps line of products.

## Process

We take quality seriously! In addition to building a strong team of people, we have also implemented diligent processes to ensure that you get high quality lamps. Our specifications, standards, inspections and analysis of every component and production step, are the reason you can trust RAB lamps.

## Manufacturing

RAB specifies the performance of all components and materials used in our Lamps in order to ensure the highest quality level of manufacturing.

**BALLAST COMPATIBLE**

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T5



T8



U-Bend



**BALLAST BYPASS**

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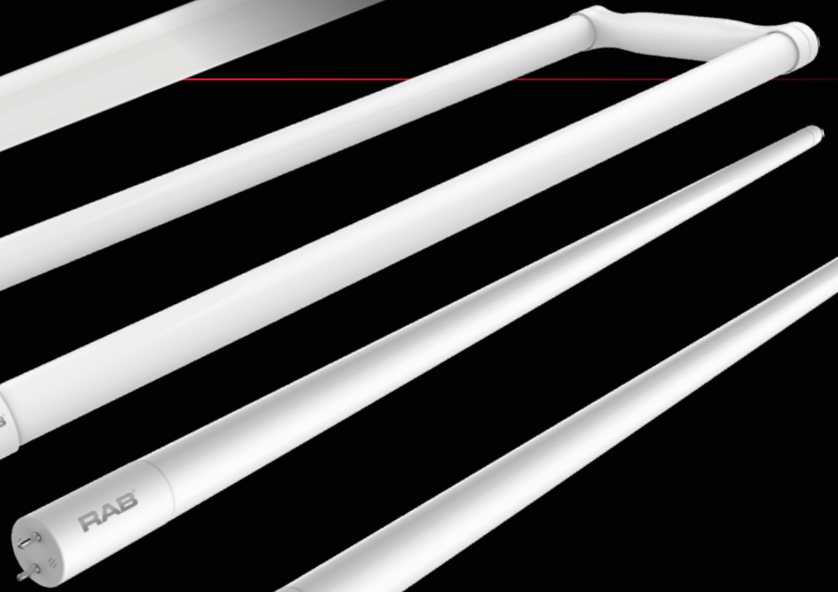
Single-Ended



Single-Ended  
U-Bend



Double-Ended



Single + Double-  
Ended



**BALLAST REPLACEMENT**

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# Ballast Compatible | Linear Tubes

Ballast-compatible tubes (UL Type A) are the simplest way to retrofit your current fluorescent fixtures to LED.

RAB's ballast compatible tubes can be used with the most commonly found instant start ballasts. There's no need to rewire the existing fixture—just plug and play! All models are instant on and have no flicker or hum, like most of the traditional fluorescent tubes they replace. Our linear tubes are energy efficient, mercury-free and easy to recycle.

## BENEFITS

- Easy to install**  
Simply plug and play. No rewiring, no tools
- 50,000-Hour lifespan**  
Lasts 1.6x longer than standard fluorescent tubes
- Save energy & money**  
More efficient than fluorescent and reduces maintenance costs



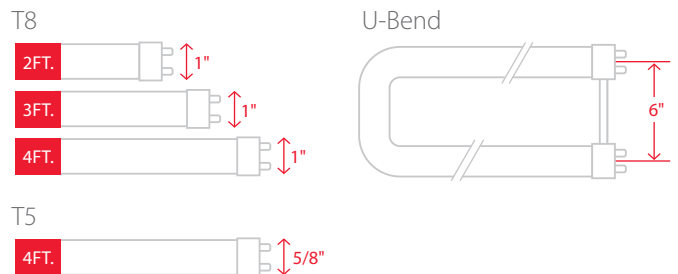
ENERGY SAVINGS



## FEATURES

- Options:** Tubes come in various materials like plastic or glass, as well as different lumen packages
- Diffusion coating:** Tubes will maintain the same light quality over time and won't yellow, shrink, or wrinkle
- Use anywhere:** May be used in enclosed and open fixtures
- Compatibility:** Work with the most commonly used ballasts in commercial lighting applications

## DIMENSIONS



	Model Name	Base Type	Wattage EQ	Input Voltage	THDi	Lifespan (Hrs.)	CRI <sup>3</sup>	Lumens <sup>3</sup>	Lamp Power <sup>3</sup> (W)	Efficacy <sup>3</sup> (lm/W)	CCT
T8	2ft T8-6-24m-8cc-DIR	G13	17W	Ballast dependent	< 20%	50k	81	900	6	150	●●●●
	3ft T8-8-36G-8cc-DIR	G13	25W	Ballast dependent	< 20%	50k	82	1200	8	150	●●●●
	4ft T8-12-48m-8cc-DIR	G13	32W	Ballast dependent	< 20%	50k	81	1800	12	150	●●●●
	4ft T8-15-48m-8cc-DIR	G13	32W	Ballast dependent	< 20%	50k	81	2200	15	147	●●●●
T5	4ft T5-25-48G-8cc-DIR	G5	54W	Ballast dependent	< 20%	50k	82	3400	25	136	●●●●
U	U6 U6-15-8cc-DIR	2G13	32W	Ballast dependent	< 20%	50k	82	2150	15	143	●●●●

### Material

- m = G Glass tube
- m = P Plastic tube

### Color Temperature

- cc = 30 3000 ●
- cc = 35 3500 ●
- cc = 40 4000 ●
- cc = 50 5000 ●




<sup>2</sup> Ballast dependent  
<sup>3</sup> Margin of error +/-10%

# Ballast Bypass | Linear Tubes

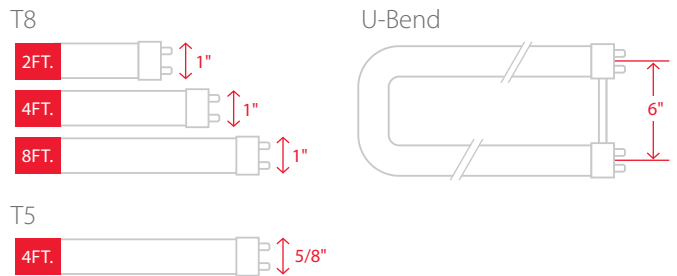
Ballast bypass tubes eliminate the need for an external ballast or driver because they operate directly on 120-277V line voltage, instead.

Bypassing ballasts improves efficacy, reliability and lifespan, and also drastically reduces maintenance costs by eliminating the need to replace those ballasts later on. Available in single-ended, double-ended, and single-ended + double-ended models, these LED tubes work with shunted or non-shunted sockets, making installation as easy and flexible as possible in the field.

## FEATURES

-  **Ballast bypass**  
Operates directly on 120-277V line voltage
-  **High efficacy**  
Provides same output as fluorescent but uses far less energy
-  **Reduced maintenance costs**  
Longer LED lifespan keeps relamping at a minimum

## DIMENSIONS



			Model Name	Base Type	Input Voltage	Wattage EQ	Power Factor	THDi	Lifespan (Hrs.)	CRI <sup>2</sup>	Lumens <sup>2</sup>	Lamp Power <sup>2</sup> (W)	Efficacy <sup>2</sup> (lm/W)	CCT
<b>SINGLE-ENDED</b>														
T8	2ft	Std. Output	T8-8-24G-8cc-SE-BYP	G13	120-277V	17W	0.9	< 20%	50k	82	960	8	120	●●●●
		Std. Output	T8-15-48G-8cc-SE-BYP	G13	120-277V	32W	0.9	< 20%	50k	82	1725	15	115	●●●●
	4ft	High Output	T8-15-48G-H-8cc-SE-BYP	G13	120-277V	32W	0.9	< 20%	50k	82	2000	15	127	●●●●
U	U6		U6-18-8cc-BYP	2G13	120-277V	32W	0.9	< 20%	50k	82	2100	18	120	●●●●
<b>DOUBLE-ENDED</b>														
T8	2ft	Std. Output	T8-9-24G-8cc-DE-BYP	G13	120-277V	17W	0.9	< 20%	50k	82	1100	9	122	●●●●
		Std. Output	T8-14-48G-8cc-DE-BYP	G13	120-277V	32W	0.9	< 20%	50k	82	1750	14	125	●●●●
	4ft	High Output	T8-17-48G-8cc-DE-BYP	G13	120-277V	32W	0.9	< 20%	50k	82	1950	17	137	●●●●
	8ft	Single Pin	T8-43-96G-Fa8-8cc-DE-BYP	Fa8	120-277V	59/54W	0.9	<20%	50k	82	5250	43	122	●●●●
		Recessed Double	T8-43-96G-R17d-8cc-DE-BYP	R17d	120-277V	59/54W	0.9	<20%	50k	82	5250	43	122	●●●●
T5	4ft		T5-25-48G-8cc-BYP	G5	120-277V	32W	0.9	< 20%	50k	82	2100	18	180	●●●●
<b>SINGLE+DOUBLE-ENDED</b>														
T8	2ft	Std. Output	T8-9-24G-8cc-SD-BYP	G13	120-277V	17W	0.9	< 20%	50k	82	1125	9	125	●●●●
		Std. Output	T8-14-48G-8cc-SD-BYP	G13	120-277V	32W	0.9	< 20%	50k	82	1750	14	125	●●●●
	4ft	High Output	T8-17-48G-8cc-SD-BYP	G13	120-277V	32W	0.9	< 20%	50k	82	2150	17	126	●●●●

## Color Temperature



<sup>2</sup> Margin of error +/-10%

# Ballast Replacement | Linear Tubes

External driver tubes operate with an external driver, rather than using an integrated driver or external ballast as a source of power.

Type C tubes are ideal for maximizing efficacy in systems with old fluorescent ballasts, without installing Type B linear voltage retrofit lamps. They provide the highest efficacy, guaranteed system compatibility (including dimming and controls), and the best overall performance.



RoHS Compliant



## FEATURES



### Better rebates

Overall superior performance qualifies Type C for special rebates



### High efficacy

Provides same output as fluorescent but uses far less energy



### 0-10V dimming

Compatible with 0-10V dimming systems for higher efficiency

## DIMENSIONS



	Model Name	Input Voltage	Wattage EQ	Power Factor	THDi	Lifespan (Hrs.)	CRI <sup>2</sup>	Lumens <sup>2</sup>	System Power (W)	Efficacy <sup>2</sup> (lm/W)	CCT	
T8	4ft x2	T8-2L-48G-8cc-EXT	100-277V	32W	0.9	< 20%	50k	80	1800	26	138	●●
	4ft x4	T8-4L-48G-8cc-EXT	100-277V	32W	0.9	< 20%	50k	80	1800	52	138	●●

### Color Temperature



<sup>2</sup> Margin of error +/-10%



# Compacts

Compact LEDs are available in both ballast-compatible and ballast-bypass models, and replace 2-pin and 4-pin compact fluorescent lamps.

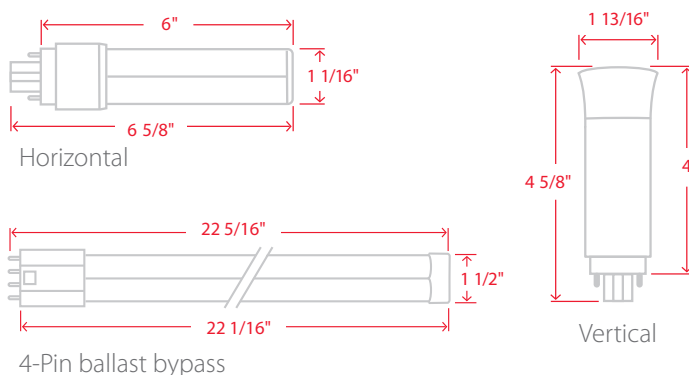
RAB compact LEDs are available in two variations: PLC and PLL. PLC lamps replace cluster and 3U compact fluorescents (CFL) commonly found in indoor applications such as desk lamps and downlighting, while PLL lamps replace long-version compact fluorescents most often used in stairways, corridors and other commercial areas.



## FEATURES

- Ballast compatible**  
Compatible with the most commonly used ballasts in commercial lighting application
- or**
- Ballast bypass**  
Operates directly on 120-277V line voltage
- High efficacy**  
Provides same output as fluorescent but uses far less energy

## DIMENSIONS



	Model Name	Base Type	Input Voltage	Wattage EQ	Power Factor	THDi	Lifespan (Hrs.)	CRI <sup>2</sup>	Lumens <sup>2</sup>	Lamp Power <sup>2</sup> (W)	Efficacy <sup>2</sup> (lm/W)	CCT
4-Pin	Horizontal	PLC-9-H-8cc-DIR	G24q	Ballast dependent	26W	Ballast dependent	< 20%	50k	82	975	9	108
	Vertical	PLC-9-V-8cc-DIR	G24q	Ballast dependent	26W	Ballast dependent	< 20%	50k	82	975	9	108
2-Pin	Horizontal	PLC-9-H-8cc-BYP	G24d	120-277V	26W	0.9	< 20%	50k	82	975	9	108
	Vertical	PLC-9-V-8cc-BYP	G24d	120-277V	26W	0.9	< 20%	50k	82	975	9	108
4-Pin	PLL-17-8cc-BYP	2G11	120-277V	40W	0.9	< 20%	50k	82	2150	17	126	

### Color Temperature



<sup>2</sup> Margin of error +/-10%

<sup>1</sup> The RAB 5-year, no-compromise warranty covers light output, color stability, driver performance and paint finish. RAB's warranty is subject to all terms and conditions found at [rablighting.com/warranty](http://rablighting.com/warranty).



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Northvale, New Jersey 07647  
[rablighting.com](http://rablighting.com) | [sales@rablighting.com](mailto:sales@rablighting.com)