

RAB

Lamps

Linear Tubes
Compacts



How to order lamps from **RAB**

Our model numbers are easy to build and understand. Simply choose from the descriptions below each section of a matrix as seen below, and be sure to include any hyphens shown. No confusing, company-specific coding. Just basic logic that continues to "make it easy" for you.

LINEAR TUBES

Lamp Shape	Lamp power	Length	Material	Base Type	CRI	CCT	End Type	Installation Type
T8	43	96	G	FA8	8	50	DE	BYP
T8	6, 9 = 17W	24 = 24"	G = Glass	Blank = Glass	8 = 80	30 = 3000	SE = Single Ended	BYP = Ballast Bypass
T5	8 = 25W	48 = 48"	P = Plastic	FA8		35 = 3500	DE = Double Ended	DIR = Ballast Compatible
U6	12, 14 = 32W	96 = 96"		R17D		40 = 4000	SD = Single+ Double Ended	EXT = Ballast Replacement
	15, 17, 18 = 32W	U6 = 24" Ubend				50 = 5000		
	25 = 54W							
	43 = 59/54W							

COMPACTS

Lamp Shape	Lamp power	Orientation	CRI	CCT	Installation Type
PLC	17	V	8	30	BYP
PLC	9 = 26W	H = Horizontal	8 = 80	30 = 3000	BYP = Ballast Bypass
PLL	17 = 40W	V = Vertical		35 = 3500	DIR = Ballast Compatible
				40 = 4000	
				50 = 5000	

BALLAST COMPATIBLE

T5



T8



U-Bend

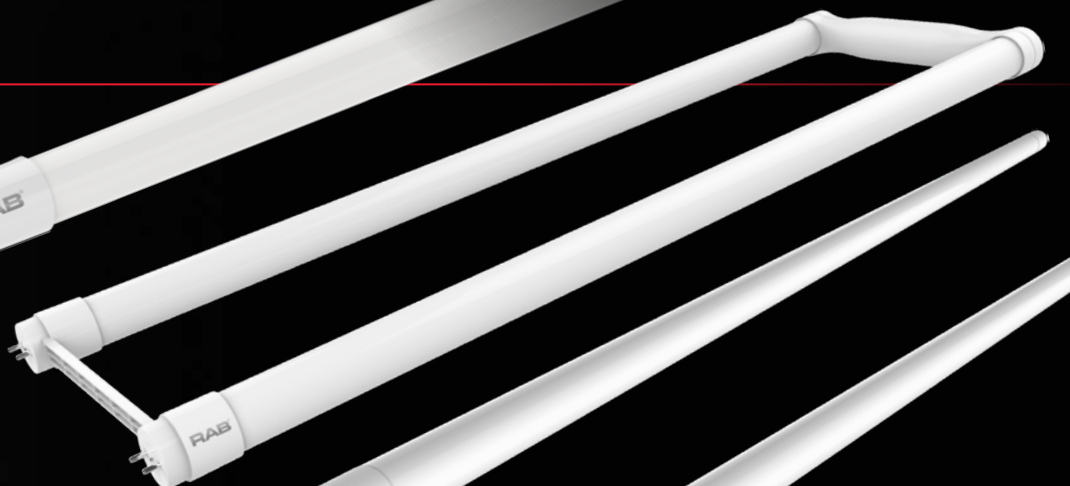


BALLAST BYPASS

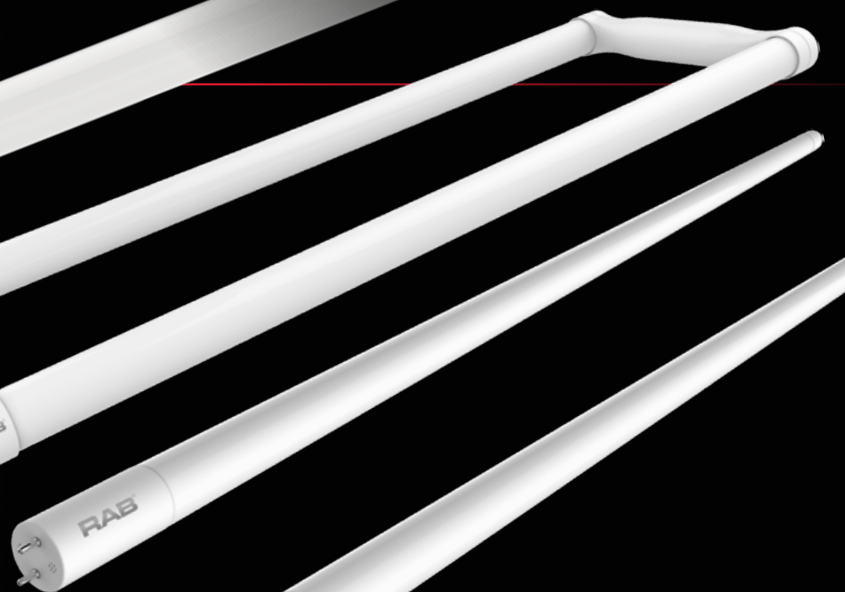
Single-Ended



Single-Ended
U-Bend



Double-Ended



Single + Double-
Ended



BALLAST REPLACEMENT



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



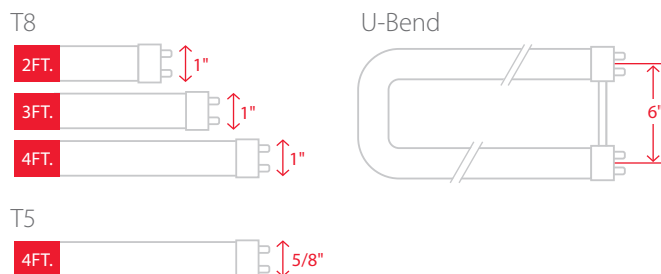
ENERGY SAVINGS



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 ³	Lumens ³	Lamp Power ³ (W)	Efficacy ³ (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	● ● ● ●
		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 ●

² Ballast dependent




³ Margin of error +/-10%

Ballast Bypass | Linear Tubes

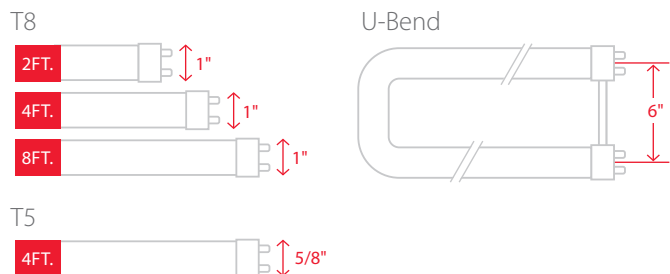
Ballast bypass tubes eliminate the need for an external ballast or driver because they operate directly on 120-277V line voltage, instead.

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 on shunted or non-shunted sockets, depending on the product, 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 ²	Lumens ²	Lamp Power ² (W)	Efficacy ² (lm/W)	CCT
T8	2ft	Std. Output	T8-9-24G-8cc-SE-BYP	G13	120-277V	17W	0.9	< 20%	50k	82	960	8	120	●●●●
	4ft	Std. Output	T8-15-48G-8cc-SE-BYP	G13	120-277V	32W	0.9	< 20%	50k	82	1725	15	115	●●●●
		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	●●●●

DOUBLE-ENDED

T8	2ft	Std. Output	T8-9-24G-8cc-DE-BYP	G13	120-277V	17W	0.9	< 20%	50k	82	1100	9	122	●●●●
	4ft	Std. Output	T8-14-48G-8cc-DE-BYP	G13	120-277V	32W	0.9	< 20%	50k	82	1750	14	125	●●●●
		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	●●●●

SINGLE+DOUBLE-ENDED

T8	2ft	Std. Output	T8-9-24G-8cc-SD-BYP	G13	120-277V	17W	0.9	< 20%	50k	82	1125	9	125	●●●●
	4ft	Std. Output	T8-14-48G-8cc-SD-BYP	G13	120-277V	32W	0.9	< 20%	50k	82	1750	14	125	●●●●
		High Output	T8-17-48G-8cc-SD-BYP	G13	120-277V	32W	0.9	< 20%	50k	82	2150	17	126	●●●●

Color Temperature

cc = 30	3000 ●	cc = 35	3500 ●	cc = 40	4000 ●	cc = 50	5000 ●
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² 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 ²	Lumens ²	System Power (W)	Efficacy ² (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



² 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

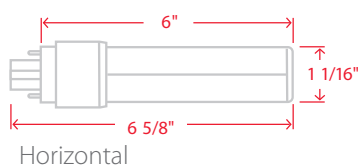
Operates directly on 120-277V line voltage



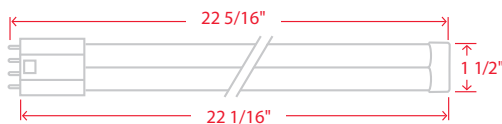
High efficacy

Provides same output as fluorescent but uses far less energy

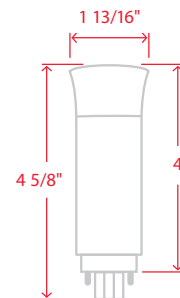
DIMENSIONS



Horizontal



4-Pin ballast bypass



Vertical

	Model Name	Base Type	Input Voltage	Wattage EQ	Power Factor	THDi	Lifespan (Hrs.)	CRI ²	Lumens ²	Lamp Power ² (W)	Efficacy ² (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
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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
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4-Pin	PLL-17-8cc-BYP	2G11	120-277V	40W	0.9	< 20%	50k	82	2150	17	126	

Color Temperature

cc = 30	3000	cc = 35	3500	cc = 40	4000	cc = 50	5000
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² Margin of error +/-10%

¹ 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.



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Northvale, New Jersey 07647
rablighting.com | sales@rablighting.com