

TECHNICAL SPECIFICATIONS

	4 FT		
Models	T5ES-28115/835	T5ES-28115/841	T5ES-28115/850
Color Temperature	3500° K	4100° K	5000° K
CRI	85		
Dimensions	2" W x 1.5" H x 47" L		
Weight	1 lb.		
Application Voltage	90V AC - 300V AC		
Power Factor	≥ 0.98		
Input Power	28W		
Ballast Factor	≥ 0.95		
Total Harmonic Distortion	≤ 10%		
Operation Frequency	39kHz - 43kHz		
Preheat Time	≤ 1.5s		
Energy Efficiency Index	≥ 86% / 120V ≥ 87%/277V		
Internal Protection Functions	Open Circuit/Over Flow and Gas Discharge		
Lamp Life Extend Functions	Cut-off Technology, Preheat Start		
Ambient Temperature	-20°C to +50°C / -4°F to +122°F		
Storage Temperature	-40°C to +60°C / -40°F to +140°F		
Relative Humidity	≤ 90%		
Ballast Life	40,000 hours		
Warranty	20,000 hours / 60 months		
Compliance and Marking	UL & UL-C (#E333114); CE		

SAVINGS:

Due to the high quality of light output, the T5 Retrofit Kit opens up the possibility of "delamping" or removing a lamp. This process increases overall energy savings and reduces hundreds of pounds of CO₂ emissions. Here is a simple example of savings per fixture on an annual basis. We've used a popular retrofit scenario where four tubes are replaced by two kits.

T8 TO T5 CONVERSION

# of T8 (4') ¹	# of T5 Kits ²	Savings (\$) [*]	Savings (%)	Payback (mo)
4	2	\$43.93	61.11%	15

T12 TO T5 CONVERSION

# of T12 (4') ³	# of T5 Kits ²	Savings (\$) [*]	Savings (%)	Payback (mo)
4	2	\$55.91	66.67%	12

Legend

¹ Electronic ballast (4w) + 32w lamp

² Low powered starter + 28w lamp

³ Magnetic ballast (8w) + 36w lamp

^{*} Based on .12 kWh burning 4k hrs/year



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CERTIFIED GREEN





T5 Retrofit Kit

An important advance in fluorescent technology is the development of the T5 lamp. Featuring a tube of only 5/8" in diameter, compared with one and a half inches for the traditional T12 lamps, these lamps dramatically improve system efficiency.

For example, a 28-watt T5 lamp uses 30 percent less energy to provide the same light output as a 40-watt T12 lamp. The smaller diameter of the T5 tube means that less of these costly materials are needed. Additionally, T5 lamps provide optimum system efficiency when used with electronic ballasts.

This combination provides such dramatic savings in energy costs that millions of dollars are being spent each year to retrofit existing T12 installations with more efficient T5 technology. As a plug and play solution available in 4' length, the T5 Retrofit Kit provides the most efficient alternative for building upgrades that would otherwise be costly and labor-intensive.

Before & After



T5 lighting is available in color temperatures of 6500k, 4100k, and 3500k and only requires two kits per each 4 lamp fixture.

Where?

