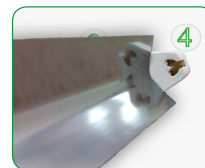


# T5 Retrofit Kit

Comprised of three components, The T5 Retrofit Kit series is a complete conversion system designed to save energy, reduce costs, and help the environment. It is the simplest and most cost effective solution for commercial lighting today.

The T5 tube is the most energy efficient fluorescent lamp on the market. The lamps are rated at 20,000 hours with only 10% lumen loss in the first 10,000 hours. The Reflectors are designed to maintain its brilliant mirror-like finish. Made from 100% aluminum that does not oxidize, it doubles the amount of light output and leaves a shining reflection that will illuminate the room throughout the lifespan of the kit.

Rated at 40,000 hours, the adapter is a break through in electrical engineering as it contains its own low-powered self starter and runs flicker free. This plug and play combination of the T5 lamp, reflector, and adaptor provides the highest luminous efficacy in its class.



- 1) 4 FT: T5 Universal Retrofit Kit (Multi-voltage: 90-300V)
- 2) 8 FT: Single-Pin adaptor for easy T12 conversion
- 3) 8 FT: Male/Female adaptor connects (2) 4 FT components
- 4) 8 FT: Brushed aluminum Reflector maximizes light output
- 5) 2 FT: Bi-Pin adaptor for easy T12/T8 conversion

## 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 CO<sup>2</sup> emissions. Here is a simple example of savings per fixture on an annual basis. We've used a popular retrofit scenerio where four tubes are replaced by two kits.

### T8 to T5 Conversion

# of T8 (4) <sup>1</sup>	# of T5 Kits <sup>2</sup>	Savings (\$) <sup>*</sup>	Savings (%)	Payback (mo)
4	2	\$43.93	61.11%	15

### T12 to T5 Conversion

# of T12 (4) <sup>3</sup>	# of T5 Kits <sup>2</sup>	Savings (\$) <sup>*</sup>	Savings (%)	Payback (mo)
4	2	\$55.91	66.67%	12

*Legend*

<sup>1</sup> Electronic ballast (4w) + 32w lamp

<sup>2</sup> Low powered starter + 28w lamp

<sup>3</sup> Magnetic ballast (8w) + 36w lamp

<sup>\*</sup> Based on .12 kWh burning 4k hrs/year

### Energy Savings Calculator

Calculate your building space's exact savings in 30 seconds at:

[EnergySavingsCalc.com](http://EnergySavingsCalc.com)

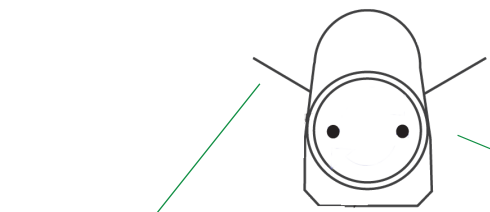
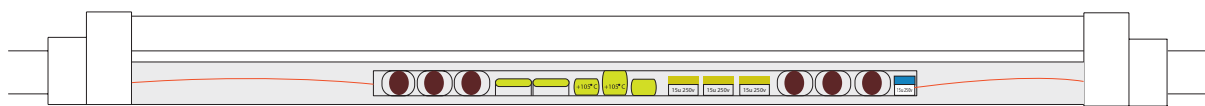


# T5 Retrofit Kit



## Technical Specifications

	2 FT	4 FT	8 FT
<b>Model</b>	HE14559-BU	HE28115-BU	HE28230-BU
<b>Dimensions</b>	1.8" W x 1.5" H x 24" L	2" W x 1.5" H x 47" L	1.8" W x 1.5" H x 94.25" L
<b>Weight</b>	1/2 lb.	1 lb.	2 lb.
<b>Application Voltage</b>	120V AC or 277V AC	90V AC - 300V AC	120V AC or 277V AC
<b>Power Factor</b>	≥ 0.97	≥ 0.98	≥ 0.97
<b>Input Power</b>	14W	28W	56W
<b>Ballast Factor</b>	≥ 1.07	≥ 0.95	≥ 1.04
<b>Total Harmonic Distortion</b>	≤ 10%	≤ 10%	≤ 20%
<b>Operation Frequency</b>	26kHz ~ 30kHz	39kHz - 43kHz	35kHz
<b>Preheat Time</b>	≤ 1.5s	≤ 1.5s	≤ 1.5s
<b>Energy Efficiency Index</b>	≥ 87% / 277V or 120V	≥ 86% / 120V ≥ 87%/277V	≥ 87% / 120V or 277V
<b>Internal Protection Functions</b>	Open Circuit/Over Flow and Gas Discharge		
<b>Lamp Life Extend Functions</b>	Cut-off Technology, Preheat Start		
<b>Ambient Temperature</b>	-20°C to +50°C / -4°F to +122°F		
<b>Storage Temperature</b>	-40°C to +60°C / -40°F to +140°F		
<b>Relative Humidity</b>	≤ 90%		
<b>Ballast Life</b>	40,000 hours		
<b>Warranty</b>	30 months	20,000 hours / 5 years	30 months



Aluminum reflector with 120° angle of reflection. Total viewable angle is 240°

Bi-pin configuration can fit any T12 or T8 fixture

Internal self-starting electronic strip



Download photometric report, installation instructions and more at: [T5RETROFIT.com](http://T5RETROFIT.com)



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