











# LINEAR LED RETROFIT LAMPS SELECTION GUIDE

GREEN CREATIVE offers a comprehensive line of high-performance LED Lamp, Downlight and Track lighting solutions, widely adopted by some of the largest companies in the world. GREEN CREATIVE's innovation, performance and reliability has been recognized by the Illuminating Engineering Society Progress Report, the LEDs Magazine Sapphire Awards, Edison Report, NAILD and more.

## LINEAR LED RETROFIT LAMP ABCs

	  COMPATIBLE	  UNIVERSAL	  EXTERNAL
UL Types	<b>DIRect</b> <u>UL Type A</u>	<b>BYPass</b> <u>UL Type B</u>	<b>EXTernal</b> <u>UL Type C</u>
Operation	Works with most fluorescent ballasts	Designed to run off line voltage power	Utilizes an external driver in place of a ballast
Advantages	Simple install and low up front cost	Ballasts are eliminated	Enables 0-10V control, sockets remain supplied with low voltage power
Cost	Lamp	\$	\$\$\$
	Installation	\$	\$\$
	Operation	\$\$\$	\$\$
	Maintenance	\$\$\$	\$
Convenience	Installation	★ ★ ★	★ ☆ ☆
	Maintenance	★ ★ ☆	★ ★ ★
Performance	Compatibility	★ ★ ☆	★ ★ ★
	Reliability	★ ★ ☆	★ ★ ★
	Control Flexibility	★ ★ ☆	★ ☆ ☆
	System Efficacy	★ ☆ ☆	★ ★ ☆

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	 <b>DIR</b> Direct	 <b>BYP</b> Single-Ended Bypass	 <b>DEB</b> Double-Ended Bypass	 <b>UEB</b> Universal-Ended Bypass	 <b>EXT</b> External Driver	 <b>EXT</b> External Driver <b>Select Drive</b>
Category	Direct	Single Ended Bypass	Double Ended Bypass	Universal Ended Bypass	Single Voltage External Driver	SelectDrive External Driver
Application	Retail	★ ★ ☆		★ ★ ★		★ ★ ☆
	Education	★ ★ ☆		★ ★ ☆		★ ★ ★
	Industrial	★ ★ ☆		★ ★ ★		★ ★ ☆
	Hospitality	★ ★ ☆		★ ★ ★		★ ★ ☆
	Office	★ ★ ☆		★ ★ ☆		★ ★ ★
Special Features	Dim To Off					✓
	NSF Listed Options			✓		
	BAA Options	✓			✓	
	SelectDrive Technology					✓
	Flicker Free					✓

Note: Visit [www.greencreative.com](http://www.greencreative.com) for details of products specifications, installation guides, limited warranty terms, and full dimmer / ballast / emergency ballast compatibility list. Optional 10 year limited warranty based on a maximum of 4,368 annual operating hours (per year for ten years) and exposure to a maximum fixture operating temperature of 80°F / 27°C.