



SMARTDRIVE LED
PLUG & PLAY WITH T8 BALLASTS

MAY 2015

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**UP TO
150
LUMENS
PER WATT**



DIMMABLE

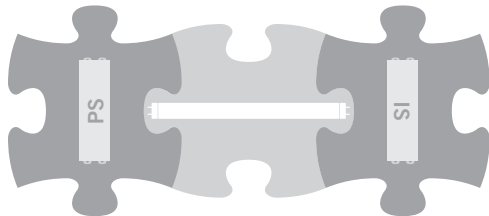
**INSTALL IN
UNDER A MINUTE**



No tools required.

50,000 HOUR LIFETIME

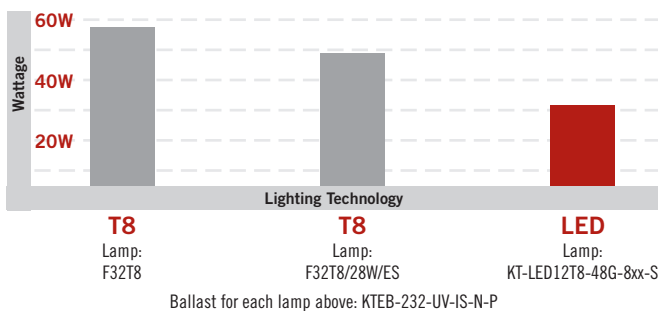
BALLAST COMPATIBLE



**Compatible with most instant and program start ballasts,
including dimming ballasts.**

SAVE OVER 40% ON ENERGY

when comparing system wattage of a typical 2 lamp fixture



Visit keystonelamp.com for our ballast compatibility list or give us a call and we will be happy to confirm compatibility.



LIGHT DISTRIBUTION

The lumen output of an LED T8 tube is different than a fluorescent T8 lamp. Fluorescent lamps deliver lumens in a 360° pattern, where many of the lumens are wasted because they are directed upwards. With LED T8 tubes, the delivered light is more directional, so fewer lumens are required to achieve similar or greater levels of usable light output.

**Fluorescent:
360°**



**Glass:
220°**



**Plastic/Aluminum:
120°**



It's as easy as changing a light bulb. Simply remove the existing T8 fluorescent lamps and replace with Keystone Smart Drive LED tubes. No special instructions, no tools. The LED tubes simply run off the existing instant or program start electronic ballast. Energy efficiency in an instant.

PRODUCT FEATURES

- Replacement for Conventional Fluorescent Lamp
- Available in Glass or Plastic/Aluminum Construction
- Approximately 40% More Energy Efficient than Standard F32T8 Lamps
- Plastic/Aluminum Operating Temperature: -20°C/-4°F to 55°C/131°F
- Glass Operating Temperature: -20°C/-4°F to 45°C/113°F
- Environmentally Friendly: No Mercury Used
- Frosted Lens Eliminates Pixelation
- 50,000+ Hour Lifetime
- Instant Startup
- Dimmable

Benefits of Glass Construction

- **220° Beam Angle:** Ideal for Applications Using Direct/Indirect Lighting Design or Utilizing Additional Reflectors
- **Appearance:** Similar Look and Feel to the Fluorescent Tubes Being Replaced



Benefits of Plastic/Aluminum Construction

- **No Risk of Broken Glass:** Ideal for Food Service, Residential, and School Applications
- **Aluminum Backing:** Provides Excellent Heat Dissipation While Offering Structural Rigidity to Prevent Bowing



Catalog Number	Color	Nominal Length	CRI	Beam Angle	Bare Lamp Wattage	Nominal Lamp Lumens	Initial Lumens			Bare Lamp Efficacy
							.78 BF	.88 BF	1.18 BF	
GLASS CONSTRUCTION										
KT-LED9T8-24G-830-S	3000K	2'	>80	220°	9W	1150 lm	945	1080	1370	127 lm/W
KT-LED9T8-24G-840-S	4000K	2'	>80	220°	9W	1150 lm	1020	1170	1490	127 lm/W
KT-LED9T8-24G-850-S	5000K	2'	>80	220°	9W	1150 lm	1040	1200	1520	127 lm/W
KT-LED11T8-36G-830-S*	3000K	3'	>80	220°	11W	1450 lm	1210	1400	1780	131 lm/W
KT-LED11T8-36G-840-S*	4000K	3'	>80	220°	11W	1450 lm	1305	1500	1900	131 lm/W
KT-LED11T8-36G-850-S*	5000K	3'	>80	220°	11W	1450 lm	1130	1530	1940	131 lm/W
KT-LED12T8-48G-830-S	3000K	4'	>80	220°	12W	1800 lm	1470	1710	2090	150 lm/W
KT-LED12T8-48G-840-S	4000K	4'	>80	220°	12W	1800 lm	1480	1730	2160	150 lm/W
KT-LED12T8-48G-850-S	5000K	4'	>80	220°	12W	1800 lm	1530	1800	2290	150 lm/W
KT-LED14T8-48G-830-S	3000K	4'	>80	220°	14W	1800 lm	1620	1870	2490	129 lm/W
KT-LED14T8-48G-840-S	4000K	4'	>80	220°	14W	1800 lm	1670	1940	2560	129 lm/W
KT-LED14T8-48G-850-S	5000K	4'	>80	220°	14W	1800 lm	1720	2000	2620	129 lm/W
KT-LED17T8-48G-830-S	3000K	4'	>80	220°	17W	2200 lm	1930	2200	2800	129 lm/W
KT-LED17T8-48G-840-S	4000K	4'	>80	220°	17W	2200 lm	1990	2300	2930	129 lm/W
KT-LED17T8-48G-850-S	5000K	4'	>80	220°	17W	2200 lm	2050	2370	3080	129 lm/W
PLASTIC/ALUMINUM CONSTRUCTION										
KT-LED18T8-48P-830-S†	3000K	4'	>80	120°	18W	2000 lm	1800	2000	2700	111 lm/W
KT-LED18T8-48P-840-S†	4000K	4'	>80	120°	18W	2000 lm	1900	2050	2850	111 lm/W
KT-LED18T8-48P-850-S†	5000K	4'	>80	120°	18W	2000 lm	2000	2200	3000	111 lm/W

*3' lamps are not included on the DLC Qualified Products List

†DLC Pending

Input voltage for all Keystone Smart Drive lamps is ballast dependent.



Use Keystone's occupancy sensors and SmartDrive T8 LED Tubes on fixtures with instant start ballasts for even greater energy savings.



Don't forget about our other great LED lamp options:

DIRECTDRIVE LED LINE VOLTAGE T8 TUBES



Keystone's DirectDrive Line Voltage T8 LED tubes eliminate the need for an external driver or ballast. For new construction installations, simply connect the 120-277V line voltage directly to the sockets. For retrofit installations, bypass the existing ballast by cutting the wires and instead connect the 120-277V line voltage directly to the sockets. No ballast or driver is required.

SMARTDRIVE LED PLUG & PLAY WITH CFL BALLASTS



Easily making the switch to LED is no longer just for linear lamps. SmartDrive Plug & Play Compact LED lamps are energy efficient, long-lasting replacements for applications that use 4-pin compact fluorescent lamps.



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LIGHT MADE EASY