

SINCE 1945
KEYSTONE
LIGHT MADE EASY



CHANGE IS CONSTANT



SMARTWIRE™
ELECTRONIC SIGN BALLASTS

FEBRUARY 2015

The US Federal Government has prohibited the manufacture of magnetic sign ballasts.

THE KEYSTONE SOLUTION:
SMARTWIRE™
ELECTRONIC SIGN BALLASTS

Our SmartWire sign ballasts wire exactly the same as legacy magnetic sign ballasts, so upgrading from magnetic to electronic is effortless. Plus, with Keystone's quality and dependability, you can count on your installation to last, maintenance-free, for years to come.



AWARD WINNING FEATURES



• **SMARTWIRE Technology:** Wires exactly the same as traditional magnetic ballasts for seamless compatibility and installation.

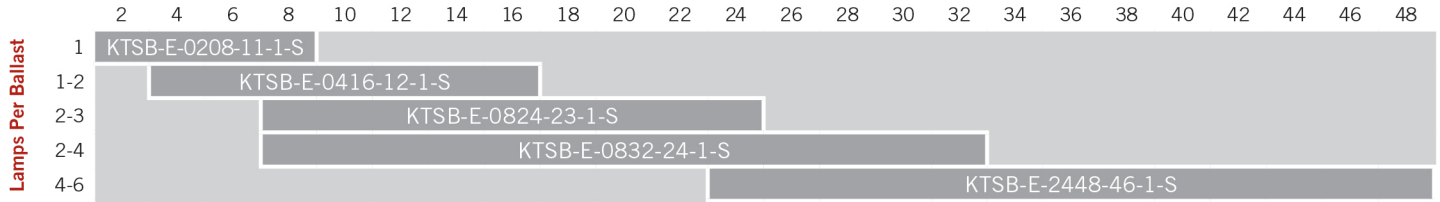
- **Lightweight:** Using solid-state technology, SmartWire electronic sign ballasts weigh **up to 50% less** than heavy magnetic ballasts, making transporting and handling significantly easier.
- **2014 DOE Compliant:** All SmartWire electronic sign ballasts exceed the energy efficiency levels mandated by the DOE and are at least 10% more energy efficient than traditional magnetic sign ballasts.
- **Versatile:** Just 5 SmartWire ballasts operate both T8HO and T12HO lamps, reducing inventory without sacrificing application options.

Additional Features: Series Wiring • Minimum Starting Temperature of -30°C/-20°F • 120V Input • 4 Year Warranty

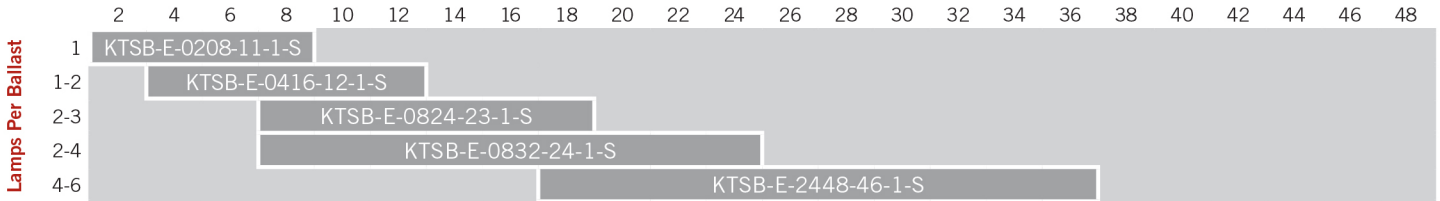


See how easy it is to install SmartWire sign ballasts. Visit keystoneballast.com and watch our 90 second video.

Total T12HO Lamp Footage Permitted (in Feet)



Total T8HO Lamp Footage Permitted (in Feet)



ELECTRICAL SPECIFICATIONS FOR COMMON CONFIGURATIONS*

CATALOG NUMBER	NO. OF FLUORESCENT LAMPS	INPUT LINE CURRENT	LAMP FOOTAGE		MIN. START TEMP.	INPUT VOLTAGE	OPEN CIRCUIT VOLTAGE	THERMAL PROTECTION	HIGH POWER FACTOR	DIMENSIONS
			MIN.	MAX.						
KTSE-E-0208-11-1-S	(1) F96T8HO/86W	1.00	2'	8'	-30°C -20°F	120V 50/60Hz	825V	Yes	>0.98	L: 9.50" W: 2.34" H: 1.69"
	(1) F96T12HO/110W	0.85	2'	8'						
	(1) F72T8HO/65W	0.75	2'	8'						
	(1) F24T12HO/37W	0.32	2'	8'						
KTSE-E-0416-12-1-S	(2) F96T12HO/110W	1.60	4'	16'	-30°C -20°F	120V 50/60Hz	950V	Yes	>0.98	L: 11.75" W: 2.16" H: 1.63"
	(2) F72T8HO/65W	1.45	4'	12'						
	(1) F120T12HO/135W	1.10	4'	16'						
	(1) F96T8HO/86W	1.05	4'	12'						
	(1) F96T12HO/110W	0.90	4'	16'						
KTSE-E-0824-23-1-S	(3) F96T12HO/110W	2.20	8'	24'	-30°C -20°F	120V 50/60Hz	950V	Yes	>0.98	L: 11.75" W: 3.19" H: 1.78"
	(3) F72T8HO/65W	2.15	8'	18'						
	(2) F120T12HO/135W	2.00	8'	24'						
	(2) F96T8HO/86W	1.90	8'	18'						
	(2) F96T12HO/110W	1.65	8'	24'						
KTSE-E-0832-24-1-S	(4) F96T12HO/110W	3.20	8'	32'	-30°C -20°F	120V 50/60Hz	950V	Yes	>0.98	L: 14.44" W: 3.19" H: 2.63"
	(4) F72T8HO/65W	2.55	8'	24'						
	(3) F96T12HO/110W	2.30	8'	32'						
	(2) F120T12HO/135W	2.30	8'	32'						
	(2) F96T8HO/86W	2.20	8'	24'						
	(2) F96T12HO/110W	1.75	8'	32'						
KTSE-E-2448-46-1-S	(6) F96T12HO/110W	4.15	24'	48'	-30°C -20°F	120V 50/60Hz	950V	Yes	>0.98	L: 16.50" W: 3.19" H: 2.63"
	(6) F72T8HO/65W	4.10	18'	36'						
	(4) F120T12HO/135W	3.96	24'	48'						
	(4) F96T8HO/86W	3.80	18'	36'						
	(5) F96T12HO/110W	3.65	24'	48'						
	(4) F96T12HO/110W	3.20	24'	48'						

*Consult factory for additional sign configurations.



See how **SMARTWIRE** saves you time and money.
Scan QR code to watch our video.



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