

COMPACT LED LAMPS

2-PIN, 13W CFL REPLACEMENTS

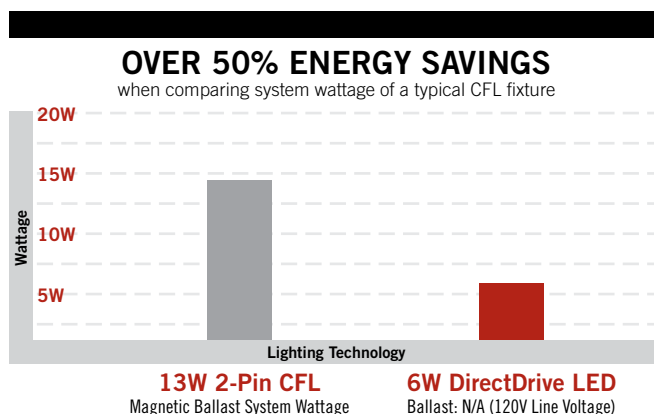
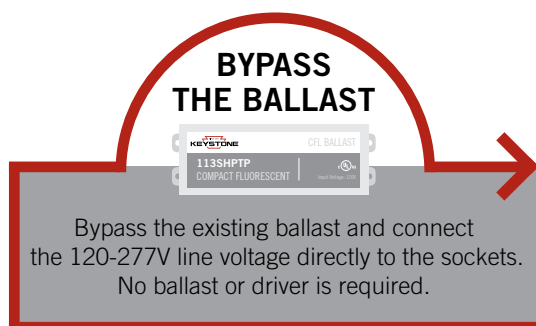


Keystone's DirectDrive compact lamps eliminate the need for an external driver or ballast. For new construction installations, simply connect the 120-277V line voltage directly to the sockets. For retrofit installations, bypass the existing ballast by cutting the wires and connecting the 120-277V line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



PRODUCT FEATURES

- Replacement for Older Fixtures Using 13W Magnetic Ballasts and 13W 2-Pin CFL Gx23 Bases
- Operating Temperature: -20°C/-4°F to 45°C/113°F
- Environmentally Friendly: No Mercury Used
- Frosted Lens Eliminates Pixelation
- Suitable for Use in Dry and Damp Locations



Connect 120-277V line voltage directly to the sockets and never think about the power source again.

LASTS 4x LONGER
than CFL Lamps



50,000 HOUR LIFETIME

ELECTRICAL SPECIFICATIONS

Catalog Number	Color	Base	Input Voltage	CRI	Lamp Wattage	Lumens	Rated Average Life
PLASTIC/ALUMINUM CONSTRUCTION; REPLACES 13W CFL LAMP							
KT-LED62P-H-827-D	2700K	GX23	120-277V	>80	6W	500	50,000 Hours
KT-LED62P-H-830-D	3000K	GX23	120-277V	>80	6W	500	50,000 Hours
KT-LED62P-H-835-D	3500K	GX23	120-277V	>80	6W	500	50,000 Hours
KT-LED62P-H-840-D	4000K	GX23	120-277V	>80	6W	550	50,000 Hours
KT-LED62P-H-850-D	5000K	GX23	120-277V	>80	6W	550	50,000 Hours

Specifications subject to change without notice. For complete product specifications, visit www.keystoneballast.com

FLUORESCENT BALLASTS

COMPACT FLUORESCENT



ELECTRICAL SPECIFICATIONS

All Quick Ship items available for same day shipment are **bolded** throughout this catalog.

No. of Lamps	Input Power	Catalog Number	Input Volts	Starting Method	Line Current	Min. Power Factor	Max. THD	Ballast Factor	Min. Start Temperature	Max. Case Temperature	Case Style
CFT7W/2G7											
1	7.5W	KTEB-108-1-TP-FC	120V	Rapid	0.12A	0.50	150%	1.05	-18°C/0°F	75°C/167°F	V1
		KTEB-108-1-TP-FC-PH	120V	Rapid	0.12A	0.50	150%	1.05	-18°C/0°F	75°C/167°F	V1
CFT7W/G23											
1	9W	CC579TP*	120V	Preheat	0.15A	0.50	15%	0.87	0°C/32°F	90°C/194°F	B1
CFT9W/2G7											
1	8.5W	KTEB-108-1-TP-FC	120V	Rapid	0.13A	0.50	150%	1.00	-18°C/0°F	75°C/167°F	V1
		KTEB-108-1-TP-FC-PH	120V	Rapid	0.13A	0.50	150%	1.00	-18°C/0°F	75°C/167°F	V1
CFT9W/G23											
1	9W	CC579TP*	120V	Preheat	0.15A	0.50	15%	0.75	0°C/32°F	90°C/194°F	B1
CFQ13W/G24q											
1	14W	KTEB-113-1-TP	120V	Rapid	0.22A	0.50	150%	0.90	-18°C/0°F	75°C/167°F	C6
		KTEB-113-1-TP-PN	120V	Rapid	0.22A	0.50	150%	0.90	-18°C/0°F	75°C/167°F	S1
		KTEB-113-1-TP-SC	120V	Rapid	0.22A	0.50	150%	0.90	-18°C/0°F	90°C/194°F	L8
		KTEB-113-1-TP-SC-RJ	120V	Rapid	0.22A	0.50	150%	0.90	-18°C/0°F	90°C/194°F	L8
		KTEB-113-1-TP-SC-RJS	120V	Rapid	0.22A	0.50	150%	0.90	-18°C/0°F	90°C/194°F	L8
		KTEB-113-1-TP-SCS	120V	Rapid	0.22A	0.50	150%	0.90	-18°C/0°F	90°C/194°F	L8
		KTEB-114-1-TP-FC	120V	Rapid	0.22A	0.50	150%	0.90	-18°C/0°F	75°C/167°F	V1
		KTEB-114-1-TP-FC-PH	120V	Rapid	0.22A	0.50	150%	0.90	-18°C/0°F	75°C/167°F	V1
	18W	KTEB-213-UV-RS-DW KTEB-213-UV-RS-DW-KIT	120-277V	Rapid	0.15-0.07A	0.96	10%	1.10	-18°C/0°F	75°C/167°F	W1
	17W	KTEB-213-UV-PS-DW	120-277V	Program	0.14-0.07A	0.95	12%	1.05	-18°C/0°F	90°C/194°F	W1
2	28W	KTEB-213-1-TP	120V	Rapid	0.43A	0.50	150%	0.95	-18°C/0°F	75°C/167°F	C6
		KTEB-213-1-TP-DW	120V	Rapid	0.43A	0.50	150%	0.95	-18°C/0°F	75°C/167°F	W1
		KTEB-213-1-TP-SC	120V	Rapid	0.43A	0.50	150%	0.95	-18°C/0°F	75°C/167°F	L8
		KTEB-213-1-TP-SC-RJ	120V	Rapid	0.43A	0.50	150%	0.95	-18°C/0°F	90°C/194°F	L8
		KTEB-213-1-TP-SC-RJS	120V	Rapid	0.43A	0.50	150%	0.95	-18°C/0°F	90°C/194°F	L8
		KTEB-213-1-TP-SCS	120V	Rapid	0.43A	0.50	150%	0.95	-18°C/0°F	90°C/194°F	L8
	32W	KTEB-213-UV-RS-DW KTEB-213-UV-RS-DW-KIT	120-277V	Rapid	0.27-0.12A	0.99	10%	1.05	-18°C/0°F	75°C/167°F	W1
	30W	KTEB-213-UV-PS-DW	120-277V	Program	0.26-0.12A	0.98	10%	1.00	-18°C/0°F	90°C/194°F	W1
CFT13W/2GX7											
1	16W	KTEB-113-1-TP-EMIA	120V	Rapid	0.24A	0.54	150%	1.00	-18°C/0°F	75°C/167°F	X1
CFTR13W/GX24q											
1	18W	KTEB-213-UV-RS-DW KTEB-213-UV-RS-DW-KIT	120-277V	Rapid	0.15-0.07A	0.96	10%	1.10	-18°C/0°F	75°C/167°F	W1
	17W	KTEB-213-UV-PS-DW	120-277V	Program	0.14-0.07A	0.95	12%	1.05	-18°C/0°F	90°C/194°F	W1
2	28W	KTEB-213-1-TP-DW	120V	Rapid	0.43A	0.50	150%	0.95	-18°C/0°F	75°C/167°F	W1
		KTEB-213-1-TP-SC	120V	Rapid	0.43A	0.50	150%	0.95	-18°C/0°F	75°C/167°F	L8
		KTEB-213-1-TP-SC-RJ	120V	Rapid	0.43A	0.50	150%	0.95	-18°C/0°F	90°C/194°F	L8
		KTEB-213-1-TP-SC-RJS	120V	Rapid	0.43A	0.50	150%	0.95	-18°C/0°F	90°C/194°F	L8
		KTEB-213-1-TP-SCS	120V	Rapid	0.43A	0.50	150%	0.95	-18°C/0°F	90°C/194°F	L8
		32W	KTEB-213-UV-RS-DW KTEB-213-UV-RS-DW-KIT	120-277V	Rapid	0.27-0.12A	0.99	10%	1.05	-18°C/0°F	75°C/167°F
	30W	KTEB-213-UV-PS-DW	120-277V	Program	0.26-0.12A	0.98	10%	1.00	-18°C/0°F	90°C/194°F	W1
CFQ13W/GX23 OR CFT13W/GX23											
1	16W	CC1322MTP*	120V	Preheat	0.30A	0.45	15%	0.93	0°C/32°F	90°C/194°F	B2
	15W	113SHPTP*	120V	Preheat	0.13A	0.90	10%	0.88	0°C/32°F	90°C/194°F	C7

*Electromagnetic Ballast

Specifications subject to change without notice. For complete product specifications, visit www.keystoneballast.com

REFERENCES

CROSS REFERENCE GUIDE

SIGN BALLASTS

Keystone Part Number	Description	ULT/Magnetek Part Number	Advance Part Number	GE Part Number	Sylvania Part Number
PARALLEL WIRE ELECTRONIC SIGN BALLASTS					
KTSB-E-0216-12-UV /A	1-2 Lamp, T8HO 4-12', T12HO 2-16'	ASB-0412-12-E	ESB216-12	N/A	N/A
KTSB-E-0432-14-UV /A	1-4 Lamp, T8HO 4-24', T12HO 4-32'	ASB-1232-24-E	ESB432-14	N/A	ESB-13-0424-TP
KTSB-E-1040-14-UV /A	1-4 Lamp, T8HO 8-32', T12HO 10-40'	N/A	ESB1040-14	N/A	ESB-14-1040-TP
KTSB-E-0848-46-UV /A	4-6 Lamp, T8HO 16-36', T12HO 8-48'	ASB-2048-46-E	ESB848-46	N/A	N/A
SMARTWIRE ELECTRONIC SIGN BALLASTS					
KTSB-E-0208-11-1-S	1 T8HO or T12HO Lamp, Combined Length of 2-8'	N/A	N/A	N/A	N/A
KTSB-E-0416-12-1-S	1-2 T8HO Lamps, 4-12'/1-2 T12HO Lamps, 4-16'	N/A	N/A	N/A	N/A
KTSB-E-0824-23-1-S	2-3 T8HO Lamps, 8-18'/2-3 T12HO Lamps, 8-24'	N/A	N/A	N/A	N/A
KTSB-E-0832-24-1-S	2 or 4 T8HO Lamps, 8-24'/2-4 T12HO Lamps, 8-32'	N/A	N/A	N/A	N/A
KTSB-E-2448-46-1-S	4 or 6 T8HO Lamps, 18-36'/4-6 T12HO Lamps, 24-48'	N/A	N/A	N/A	N/A

EMERGENCY BALLASTS

Keystone Part Number	Iota Part Number	Remarks	Bodine Part Number	Remarks
KT-EMRG-650-CFL2	I-13-EM-A and I-26-EM-A	IOTA models are more lamp specific; Keystone model has a single LED switch	B463	Keystone model has a single LED switch
KT-EMRG-750-CFL4	I-42-EM-A	IOTA model has AC-output and time-delay features; Keystone model has a single LED switch	B94CG	Bodine model includes time-delay feature; Keystone model includes a single LED switch
KT-EMRG-500	I-32	IOTA model is low profile and includes time-delay feature	B100	Bodine model includes time delay feature; Keystone model includes a single LED switch
KT-EMRG-700	I-48	IOTA model includes time-delay feature and single LED switch	B60	Bodine model includes time-delay feature
KT-EMRG-1400	I-320	IOTA model is low profile and includes time-delay feature	B50	Bodine model includes time-delay feature; Keystone model includes a single LED switch
KT-EMRG-500-T5	ISL-28	Keystone model includes AC-output feature	LP400 or LP500	LP400 is 0.4" wider than Keystone model with a separate switch and LED indicator; LP500 is 4.1" longer than Keystone model and can be used in sealed and gasketed fixtures; Keystone model has AC-output feature
KT-EMRG-800-T5	ISL-54	Keystone model includes AC-output feature	LP550	Bodine model is 1" longer and can be used in sealed and gasketed fixtures; Keystone model has AC-output feature
KT-EMRG-1300-T5	ISL-540	Keystone model includes AC-output feature	LP600	Bodine model can be used in sealed and gasketed fixtures; Keystone model has AC-output feature
KT-EMRG-500-SL	I-32	Keystone model is 0.5" longer and includes AC-output feature	B100LP	Bodine model is almost 7" longer and little thinner, can be used with sealed and gasketed fixtures; Keystone model includes AC-output feature
KT-EMRG-700-SL	N/A	None	B60LP	Bodine model is 3" longer and a little thinner, can be used with sealed and gasketed fixtures; Keystone model includes AC-output feature
KT-EMRG-1400-SL	I-320	Keystone model includes AC-output feature, is 1.25" longer, and a little thinner in comparison to IOTA's model	B50LP	Bodine model is approx. 7" longer and a little thinner, can be used with sealed and gasketed fixtures; Keystone model includes AC-output feature

MAGNETIC FLUORESCENT BALLASTS

Keystone Part Number	Description	ULT/Magnetek Part Number	Advance Part Number	GE Part Number	Sylvania Part Number
CC1322MTP	13-22 Watt, 2-Pin Compact Fluorescent	200-H2P	LO-13-22-TP	GEM1CF13PH120	N/A
113SHPTP	(1) 13 Watt, 2-Pin Compact Fluorescent, High Power Factor	4112P	H-1B13-TP-W	N/A	N/A
CC579TP	5, 7, 9 Watt, 2-Pin Compact Fluorescent	4105F2P	LPL-5-9-TP	N/A	N/A
SS22WSTP	22W Circline, Small Case, Self Start	200-C-S-P	N/A	N/A	N/A

Product specifications are subject to change without notice. Keystone Technologies, LLC does not warrant or guarantee the accuracy of this cross reference guide. **Please contact Keystone Technologies for help with proper ballast selection.**

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