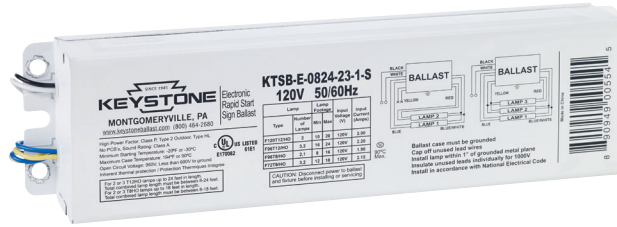


### DESCRIPTION

2-3 Lamps | T8HO or T12HO | 8'-24' Combined Lamp Length | Series Wiring



**STARTING METHOD:** Rapid Start | **INPUT VOLTAGE:** 120VAC ±10% | **LAMP CONNECTION:** Series | **INPUT FREQUENCY:** 60 Hz

### PRODUCT FEATURES

- Sound Rated: A
- Minimum Starting Temperature: -20°F, -30°C
- Maximum Case Temperature: 194°F, 90°C
- Meets FCC Part 18 (Class A) Non-Consumer Limits
- UL, cUL 935 Listed, Class P, Type 2 Outdoor, Type HL
- Open Circuit Voltage: 993V

### ELECTRICAL SPECIFICATIONS FOR COMMON CONFIGURATIONS\*

Lamp Type	No. of Lamps	Input Volts	Input Watts	Input Current (Amps)	Power Factor	Crest Factor
F96T12/HO, 110W	3	120	256	2.20	>0.90	<1.70
F96T12/HO, 110W	2	120	192	1.65	>0.90	<1.70
F120T12/HO, 135W	2	120	233	2.00	>0.90	<1.70
F96T8/HO, 86W	2	120	221	1.90	>0.90	<1.70
F72T8/HO, 65W	3	120	250	2.15	>0.90	<1.70
F72T8/HO, 65W	2	120	186	1.60	>0.90	<1.70

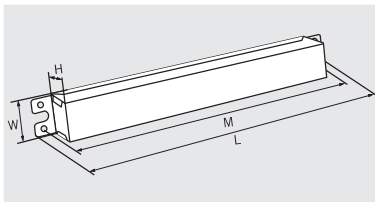
\*Consult factory for additional sign configurations.

### LAMP FOOTAGE

Lamp Type	Minimum	Maximum
T12HO	8'	24'
T8HO	8'	18'

### MECHANICAL SPECIFICATIONS

#### CASE DIMENSIONS



LENGTH	11.73"
WIDTH	3.09"
HEIGHT	1.83"
MOUNTING	11.07"
CASE STYLE	L32

#### STANDARD LEAD LENGTHS\*

WHITE	24"
BLACK	24"
RED	60"
BLUE	60"
YELLOW	60"
BLUE/WHITE	60"

Lead wires are 18 AWG 105°C/600V, solid copper.

**CASE MATERIAL:** Metal

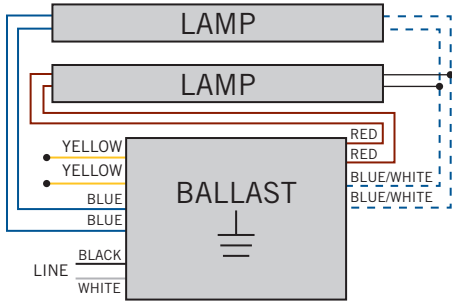
\*Consult Keystone for special lead length requirements.

**FOR INSTALLATION PURPOSES**

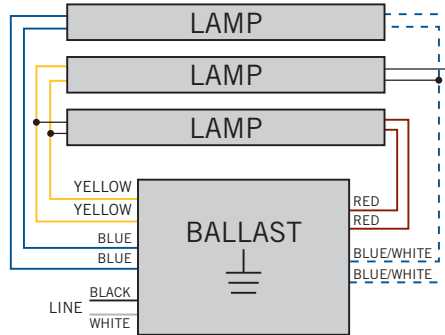
Ballast can drive 2 or 3 T12HO lamps in any combination from 8'-24'.

Ballast can drive 2 or 3 T8HO lamps in any combination from 8'-18'.

**WIRING DIAGRAMS**

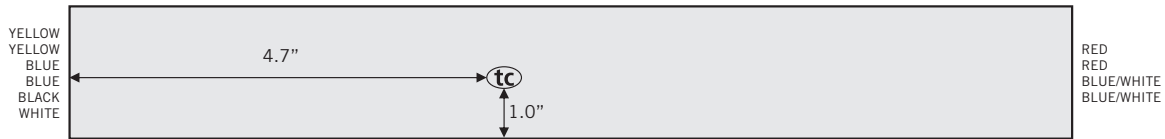


Two Lamp Application, Cap Off  
Unused Leads Individually



Three Lamp Application

**HOT SPOT LOCATION**



Actual tc point is noted on each ballast label.

**ORDERING INFORMATION**

ORDER CODE	PACKAGING STYLE	PACK QTY.	ITEM STATUS
KTSE-E-0824-23-1-S-IP	Individually Packaged	1	Quick Ship

**CATALOG NUMBER BREAKDOWN**

**KTSE-E-0824-23-1-S-IP**



\*Minimum and maximum total lamp length based on T12HO lamps.