KEYSTONE
SINCE 1945

SIGN HERO | 360°
LED SIGN TUBE

KT-LED47T8-108P2S-8XX-D

SAM | cULus CLASSIFIED | 5 YEAR WARRANTY

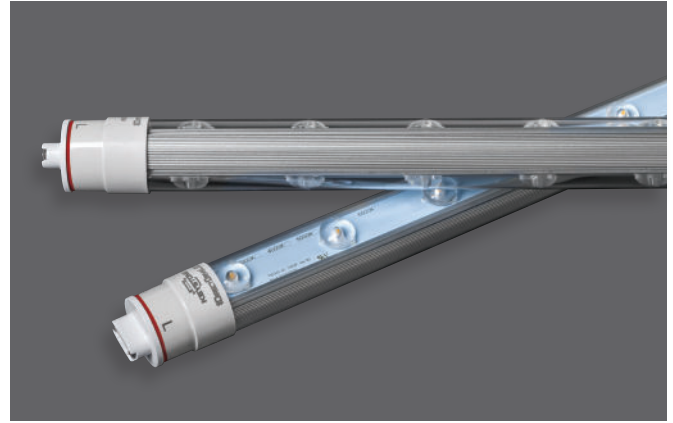## DESCRIPTION
Replacement for Conventional T12HO and T8HO Fluorescent Lamps for Sign Applications

APPLICATION
Used for Outdoor Signage (Single or Double Sided)

PRODUCT FEATURES
- Ideal for Both Single Sided and Double Sided Signs
- 50,000+ Hour Lifetime
- Installs using existing sockets in the sign; all necessary wiring can be done within ballast raceway
- 120-277V Input
- Optical Lens over individual LED's for optimal light spread within the sign
- Listed in the UL SAM Manual

- Effective 360° beam spread
- Rotatable End Caps
- Over 50% more Energy Efficiency than HO Fluorescent lamps
- Double Sided design provides even lighting in signs with no hot-spotting
- UL Classified: LED Sign Retrofit, Evaluated to UL 48 / UL 879A Standards
- No External Driver or Power Supply Needed
- Operating Temperature: -30ºC/-22ºF to 55ºC/131ºF

PERFORMANCE SPECIFICATIONS

Catalog Number	Length	CRI	Wattage	Color Temp	Socket Type	Efficacy	Total Lumens	Lumens	
								Per Side	Per Ft.
KT-LED47T8-108P2S-840-D	9'	>80	47	4000K	R17d	119	5580	2790	310
KT-LED47T8-108P2S-865-D	9'	>80	47	6500K	R17d	123	5800	2900	322

![Keystone SINCE 1945 logo | SIGN HERO 360° LED SIGN TUBE]

KT-LED47T8-108P2S-8XX-D

PHYSICAL SPECIFICATIONS
LAMP DIMENSIONS

A (Overall Length)	**BASE TYPE:** Rotatable
B (Diameter)	
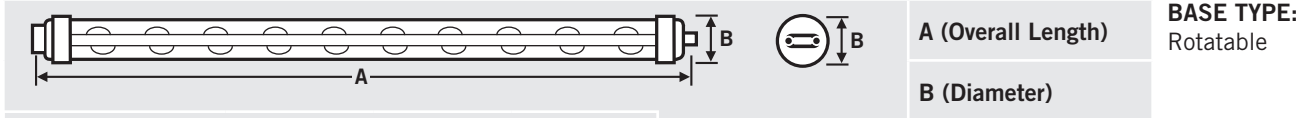
Overall Length

| Nominal Length	Min	Max	Diameter
108"	105.72	105.91	1.1"

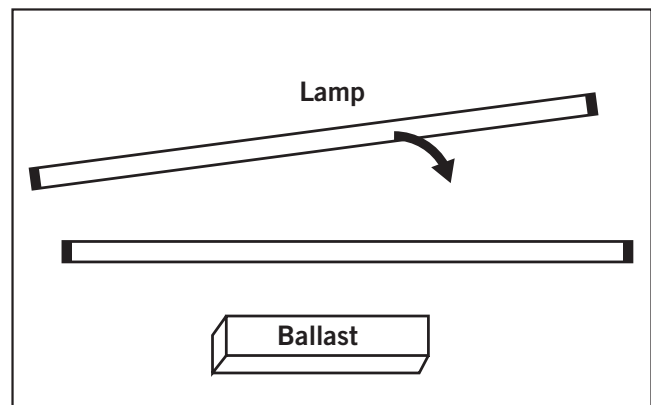## WIRING AND INSTALLATION

For New Sign Construction:

1. Run black wire (L) to all sockets on one side of sign and white wire (N) to all sockets on other end of sign.

2. Install LED lamps into sockets. Ensure the ends marked L and N correspond with the wiring of the sockets.

3. Rotate lamps to desired direction for application.

4. Ensure all black wires are joined together. Ensure all white wires are joined together. Should be accessible in raceway for easy field installation.

For Field Retrofit:

1. Ensure power is disconnected and open up sign.
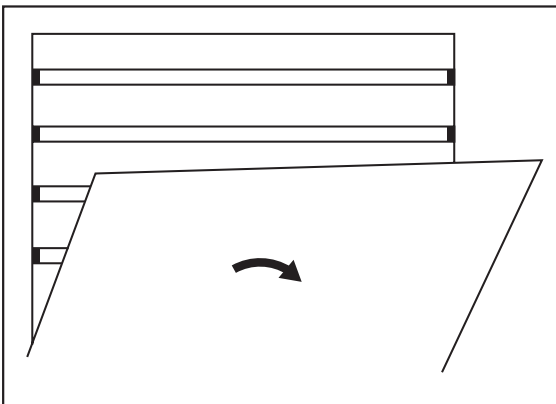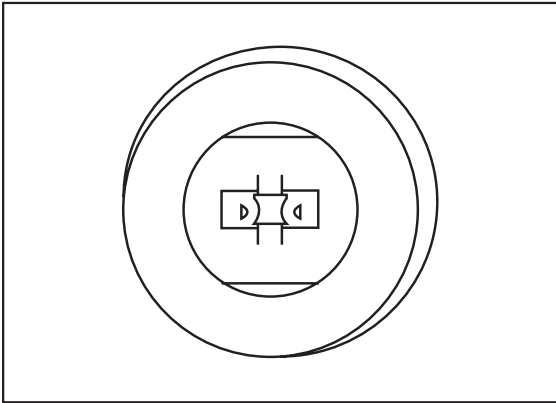

2. Remove fluorescent lamps from sign.

Lamp

Ballast

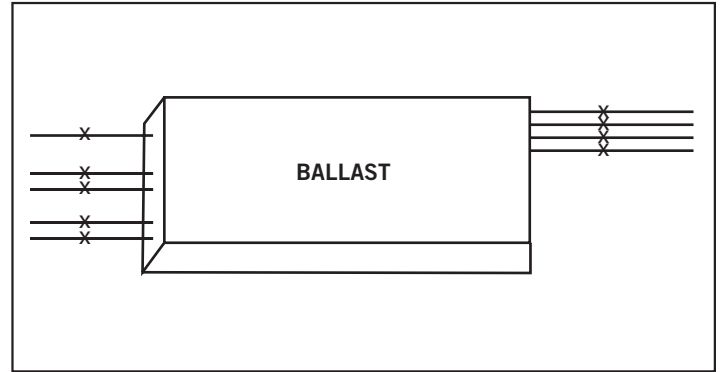## INSTRUCTIONS (Continued)

3. Inspect existing sockets to ensure they are in good shape, replace if needed.


4. Access sign raceway/wiring box, and cut all ballast input and output wires as shown. Do not remove ballast if removal leaves opening in raceway.

BALLAST

5. From mains, connect input (L) line to all wires coming from sockets on one side of sign and (N) neutral to all wires coming from the sockets on opposite end of the sign.

L   N
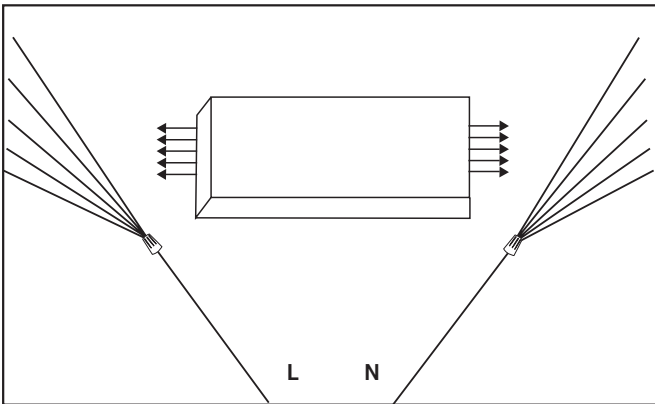
6. Insert Keystone Sign Hero LED tubes and rotate to desired position for optimal illumination. Ensure side marked "L" is connected to corresponding line socket and "N" is connected to corresponding neutral socket.
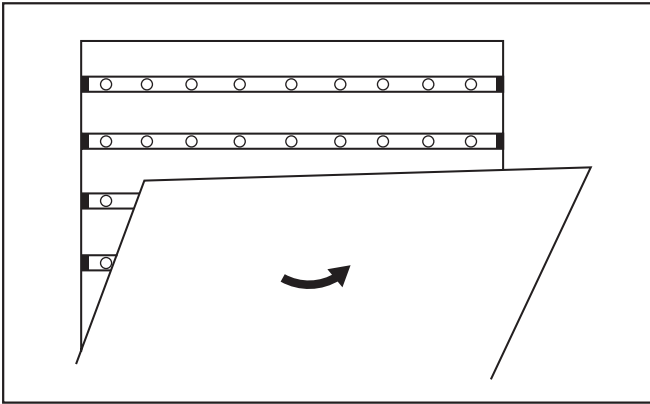
KEYSTONE
SINCE 1945

SIGN HERO | 360°
LED SIGN TUBE
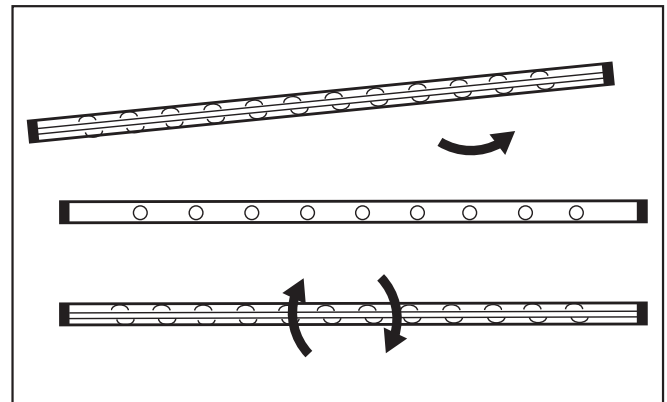
KT-LED47T8-108P2S-8XX-D

INSTRUCTIONS (Continued)

7. Place retrofit warning label on existing ballast (if applicable) or somewhere in sign. Ensure it is visible for all future maintenance. Close sign and apply power.

ACCESSORIES

Catalog Number	Description
KTSP-10KV	External Surge Protector; Input Voltage 120-277V; Max. Peak Current: 10KV; IP65 Rated
KT-SH-4L-CABLE-KIT	Cable Kit for 1-4 Lamp Applications. Designed to prevent lamp sagging for horizontal applications over 8' long. Includes options for mounting via magnets or tek screws.
KT-SH-6L-CABLE-KIT	Cable Kit for 1-6 Lamp Applications. Designed to prevent lamp sagging for horizontal applications over 8' long. Includes options for mounting via magnets or tek screws.

Accessories Sold Separately.

CATALOG NUMBER BREAKDOWN

KT-LED47T8-108P2S-8XX-D

KT	LED	47	T8	108	P2S	8	XX	D
Keystone Technologies	LED Lamp	Wattage	Lamp Type	9'	Plastic Two-Sided	800 Series	Color Temp	Direct Drive