KEYSTONE SINCE 1945 LIGHT MADE EASY®

SIGN HERO 360 DIRECT WIRE LED SIGN TUBE

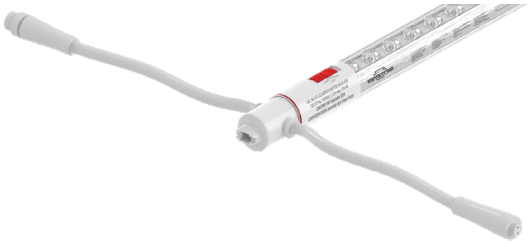
POWER SELECT | COLOR SELECT

KT-LEDXXPST8-XXP2SO-8CSK-DW

LED SIGN LAMP

DESCRIPTION

LED Sign Lamp | Double-Sided Illumination | Power and Color Select
Advanced Optical Lens | Rotatable End Caps | Direct-Wire Connection
Integrated Waterproof Connectors | 120-277V Input



APPLICATION

Replacement for conventional T12HO and T8HO fluorescent lamps in double-sided sign applications, or as a direct-wire solution for new sign builds using mounting bracket accessories—eliminating the need for socket-powered wiring.

SAM | CLASSIFIED c UL us | 5 YEAR WARRANTY | TRUSTED NB WARRANTY

PRODUCT FEATURES

- Covered by one or more Patents: list available at https://keystonetech.com/all-products/lamps/linear-led-tubes/sign-hero/patent
- Keystone Power Select technology (see Performance Specifications for details): 100%, 75%, or 50% output for cabinet depth flexibility
- Keystone Color Select Technology (4000/5000/6500K)
- Supports wider spacing in deeper cabinets, reduced power settings ideal for shallow sign faces
- Designed for retrofit double-sided sign applications and new sign construction
- Built-in flexible waterproof connectors no socket wiring required
- Direct-wire installation with quick-connect design for simplified wiring
- Up to 15% higher lumen output than traditional Sign Hero tubes
- 50,000+ hour rated lifetime
- 120–277V universal input voltage
- Integrated optical lensing ensures even light spread across the face
- Effective 360° beam distribution
- Rotatable end caps for precise light direction
- Over 50% more energy efficient than HO fluorescent lamps
- UL Classified: sign retrofit solution, evaluated to UL 48 / UL 879A standards
- Listed in the UL SAM Manual
- Compatible with Keystone's optional mounting bracket accessories
- Operating temperature range: −30°C/−22°F to 55°C/131°F

** 150 feet of tubes can run on one feed*

PERFORMANCE SPECIFICATIONS OVERVIEW

Catalog Number	Selectable Wattage	Selectable CCT	Lumens Range	Efficacy	Nominal Length	Input Current	CRI	Socket Type
KT-LED10PST8-18P2SO-8CSK-DW	5-10W	4000K/5000K/6500K	620-1035	120 lm/W	18″	60mA	>80	R17d
KT-LED12PST8-24P2SO-8CSK-DW	6-12W	4000K/5000K/6500K	800-1380	120 lm/W	24″	90mA		
KT-LED15PST8-30P2SO-8CSK-DW	7-15W	4000K/5000K/6500K	980-1840	120 lm/W	30″	115mA		
KT-LED18PST8-36P2SO-8CSK-DW	9-18W	4000K/5000K/6500K	1275-2300	125 lm/W	36″	140mA		
KT-LED21PST8-42P2SO-8CSK-DW	10-21W	4000K/5000K/6500K	1480-2590	125 lm/W	42″	160mA		
KT-LED23PST8-48P2SO-8CSK-DW	12-23W	4000K/5000K/6500K	1690-2990	122 lm/W	48″	185mA		
KT-LED29PST8-60P2SO-8CSK-DW	14-29W	4000K/5000K/6500K	2060-3740	125 lm/W	60″	230mA		
KT-LED32PST8-64P2SO-8CSK-DW	16-32W	4000K/5000K/6500K	2230-3970	123 lm/W	64″	245mA		
KT-LED37PST8-72P2SO-8CSK-DW	17-37W	4000K/5000K/6500K	2480-4600	125 lm/W	72″	275mA		
KT-LED41PST8-84P2SO-8CSK-DW	21-41W	4000K/5000K/6500K	3030-5405	124 lm/W	84″	325mA		
KT-LED46PST8-96P2SO-8CSK-DW	23-46W	4000K/5000K/6500K	3310-6095	126 lm/W	96″	370mA		
KT-LED50PST8-108P2SO-8CSK-DW	24-50W	4000K/5000K/6500K	3735-6670	121 lm/W	108″	415mA		
KT-LED52PST8-117P2SO-8CSK-DW	25-52W	4000K/5000K/6500K	3975-7130	124 lm/W	117″	440mA		
KT-LED54PST8-120P2SO-8CSK-DW	26-54W	4000K/5000K/6500K	4090-7360	123 lm/W	120″	460mA		

KEYSTONE SINCE 1945 LIGHT MADE EASY®

SIGNHERO 360 DIRECT WIRE LED SIGN TUBE

POWER SELECT COLOR SELECT

KT-LEDXXPST8-XXP2SO-8CSK-DW

LED SIGN LAMP

PERFORMANCE SPECIFICATIONS DETAILED

Catalog Number	Selectable Wattage	Selectable CCT	Lumens	Efficacy	Nominal Length	Input Current	CRI	Socket Type
KT-LED10PST8-18P2SO-8CSK-DW	10W	4000K	973 lm/W	104 lm/W	18″	75mA	>80	R17d
		5000K	1035 lm/W	104 lm/W		75mA		
		6500K	1035 lm/W	104 lm/W		75mA		
	8W	4000K	846 lm/W	113 lm/W		65mA		
		5000K	900 lm/W	113 lm/W		65mA		
		6500K	900 lm/W	113 lm/W		65mA		
	5W	4000K	583 lm/W	103 lm/W		43mA		
		5000K	620 lm/W	103 lm/W		43mA		
		6500K	620 lm/W	103 lm/W		43mA		
KT-LED12PST8-24P2SO-8CSK-DW	12W	4000K	1297 lm/W	115 lm/W	24″	93mA		
		5000K	1380 lm/W	115 lm/W		93mA		
		6500K	1380 lm/W	115 lm/W		93mA		
	10W	4000K	1128 lm/W	120 lm/W		80mA		
		5000K	1200 lm/W	120 lm/W		80mA		
		6500K	1200 lm/W	120 lm/W		80mA		
	6W	4000K	752 lm/W	114 lm/W		53mA		
		5000K	800 lm/W	114 lm/W		53mA		
		6500K	800 lm/W	114 lm/W		53mA		
KT-LED15PST8-30P2SO-8CSK-DW	15W	4000K	1730 lm/W	123 lm/W	30″	130mA		
		5000K	1840 lm/W	123 lm/W		130mA		
		6500K	1840 lm/W	123 lm/W		130mA		
	13W	4000K	1504 lm/W	123 lm/W		111mA		
		5000K	1600 lm/W	123 lm/W		111mA		
		6500K	1600 lm/W	123 lm/W		111mA		
	7W	4000K	921 lm/W	123 lm/W		75mA		
		5000K	980 lm/W	123 lm/W		75mA		
		6500K	980 lm/W	123 lm/W		75mA		
KT-LED18PST8-36P2SO-8CSK-DW	18W	4000K	2162 lm/W	128 lm/W	36″	158mA		
		5000K	2300 lm/W	128 lm/W		158mA		
		6500K	2300 lm/W	128 lm/W		158mA		
	16W	4000K	1880 lm/W	125 lm/W		135mA		
		5000K	2000 lm/W	125 lm/W		135mA		
		6500K	2000 lm/W	125 lm/W		135mA		
	9W	4000K	1199 lm/W	128 lm/W		128mA		
		5000K	1275 lm/W	128 lm/W		128mA		
		6500K	1275 lm/W	128 lm/W		128mA		

KEYSTONE SINCE 1945 LIGHT MADE EASY®

SIGNHERO 360 DIRECT WIRE LED SIGN TUBE

POWER SELECT COLOR SELECT

KT-LEDXXPST8-XXP2SO-8CSK-DW

LED SIGN LAMP

PERFORMANCE SPECIFICATIONS DETAILED (continued)

Catalog Number	Selectable Wattage	Selectable CCT	Lumens	Efficacy	Nominal Length	Input Current	CRI	Socket Type
KT-LED21PST8-42P2SO-8CSK-DW	21W	4000K	2435 lm/W	123 lm/W	42″	176mA	>80	R17d
		5000K	2590 lm/W	123 lm/W		176mA		
		6500K	2590 lm/W	123 lm/W		176mA		
	18W	4000K	2115 lm/W	125 lm/W		150mA		
		5000K	2250 lm/W	125 lm/W		150mA		
		6500K	2250 lm/W	125 lm/W		150mA		
	10W	4000K	1391 lm/W	123 lm/W		100mA		
		5000K	1480 lm/W	123 lm/W		100mA		
		6500K	1480 lm/W	123 lm/W		100mA		
KT-LED23PST8-48P2SO-8CSK-DW	23W	4000K	2811 lm/W	130 lm/W	48″	204mA		
		5000K	2990 lm/W	130 lm/W		204mA		
		6500K	2992 lm/W	130 lm/W		204mA		
	21W	4000K	2444 lm/W	124 lm/W		175mA		
		5000K	2600 lm/W	124 lm/W		175mA		
		6500K	2600 lm/W	124 lm/W		175mA		
	12W	4000K	1589 lm/W	130 lm/W		116mA		
		5000K	1690 lm/W	130 lm/W		116mA		
		6500K	1690 lm/W	130 lm/W		116mA		
KT-LED29PST8-60P2SO-8CSK-DW	29W	4000K	3516 lm/W	129 lm/W	60″	250mA		
		5000K	3740 lm/W	129 lm/W		250mA		
		6500K	3740 lm/W	129 lm/W		250mA		
	26W	4000K	3055 lm/W	125 lm/W		213mA		
		5000K	3250 lm/W	125 lm/W		213mA		
		6500K	3250 lm/W	125 lm/W		213mA		
	14W	4000K	1936 lm/W	129 lm/W		143mA		
		5000K	2060 lm/W	129 lm/W		143mA		
		6500K	2060 lm/W	129 lm/W		143mA		
KT-LED32PST8-64P2SO-8CSK-DW	32W	4000K	3732 lm/W	124 lm/W	64″	269mA		
		5000K	3970 lm/W	124 lm/W		269mA		
		6500K	3970 lm/W	124 lm/W		269mA		
	28W	4000K	3243 lm/W	123 lm/W		230mA		
		5000K	3450 lm/W	123 lm/W		230mA		
		6500K	3450 lm/W	123 lm/W		230mA		
	16W	4000K	2096 lm/W	124 lm/W		153mA		
		5000K	2230 lm/W	124 lm/W		153mA		
		6500K	2230 lm/W	124 lm/W		153mA		

KEYSTONE SINCE 1945 LIGHT MADE EASY®

SIGNHERO 360 DIRECT WIRE LED SIGN TUBE

POWER SELECT COLOR SELECT

KT-LEDXXPST8-XXP2SO-8CSK-DW

LED SIGN LAMP

PERFORMANCE SPECIFICATIONS DETAILED (continued)

Catalog Number	Selectable Wattage	Selectable CCT	Lumens	Efficacy	Nominal Length	Input Current	CRI	Socket Type
KT-LED37PST8-72P2SO-8CSK-DW	37W	4000K	4324 lm/W	124 lm/W	72″	306mA	>80	R17d
		5000K	4600 lm/W	124 lm/W		306mA		
		6500K	4600 lm/W	124 lm/W		306mA		
	31W	4000K	3760 lm/W	129 lm/W		261mA		
		5000K	4000 lm/W	129 lm/W		261mA		
		6500K	4000 lm/W	129 lm/W		261mA		
	17W	4000K	2331 lm/W	124 lm/W		174mA		
		5000K	2480 lm/W	124 lm/W		174mA		
		6500K	2480 lm/W	124 lm/W		174mA		
KT-LED41PST8-84P2SO-8CSK-DW	41W	4000K	5081 lm/W	132 lm/W	84″	352mA		
		5000K	5405 lm/W	132 lm/W		352mA		
		6500K	5405 lm/W	132 lm/W		352mA		
	37W	4000K	4418 lm/W	127 lm/W		300mA		
		5000K	4700 lm/W	127 lm/W		300mA		
		6500K	4700 lm/W	127 lm/W		300mA		
	21W	4000K	2848 lm/W	132 lm/W		201mA		
		5000K	3030 lm/W	132 lm/W		201mA		
		6500K	3030 lm/W	132 lm/W		201mA		
KT-LED46PST8-96P2SO-8CSK-DW	46W	4000K	5729 lm/W	133 lm/W	96″	408mA		
		5000K	6095 lm/W	133 lm/W		408mA		
		6500K	6095 lm/W	133 lm/W		408mA		
	42W	4000K	4982 lm/W	126 lm/W		348mA		
		5000K	5300 lm/W	126 lm/W		348mA		
		6500K	5300 lm/W	126 lm/W		348mA		
	23W	4000K	3111 lm/W	132 lm/W		233mA		
		5000K	3310 lm/W	132 lm/W		233mA		
		6500K	3310 lm/W	132 lm/W		233mA		
KT-LED50PST8-108P2SO-8CSK-DW	50W	4000K	6270 lm/W	133 lm/W	108″	445mA		
		5000K	6670 lm/W	133 lm/W		445mA		
		6500K	6670 lm/W	133 lm/W		445mA		
	45W	4000K	5452 lm/W	135 lm/W		380mA		
		5000K	5800 lm/W	135 lm/W		380mA		
		6500K	5800 lm/W	135 lm/W		380mA		
	25W	4000K	3511 lm/W	133 lm/W		254mA		
		5000K	3735 lm/W	133 lm/W		254mA		
		6500K	3735 lm/W	133 lm/W		254mA		

KEYSTONE SINCE 1945 LIGHT MADE EASY®

SIGNHERO 360 DIRECT WIRE LED SIGN TUBE

POWER SELECT COLOR SELECT

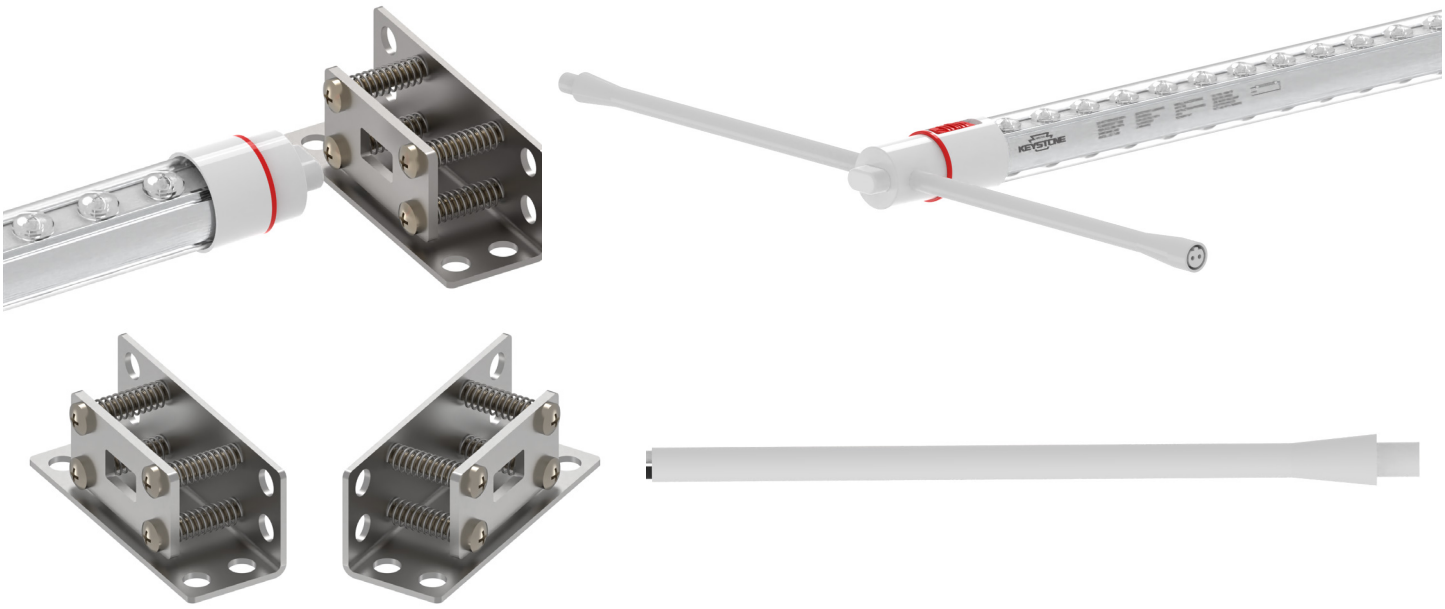
KT-LEDXXPST8-XXP2SO-8CSK-DW

LED SIGN LAMP

PERFORMANCE SPECIFICATIONS DETAILED (continued)

Catalog Number	Selectable Wattage	Selectable CCT	Lumens	Efficacy	Nominal Length	Input Current	CRI	Socket Type
KT-LED52PST8-117P2SO-8CSK-DW	52W	4000K	6720 lm/W	137 lm/W	117″	473mA	>80	R17d
		5000K	7130 lm/W	137 lm/W		473mA		
		6500K	7130 lm/W	137 lm/W		473mA		
	45W	4000K	5828 lm/W	138 lm/W		404mA		
		5000K	6200 lm/W	138 lm/W		404mA		
		6500K	6200 lm/W	138 lm/W		404mA		
	29W	4000K	3737 lm/W	137 lm/W		270mA		
		5000K	3975 lm/W	137 lm/W		270mA		
		6500K	3975 lm/W	137 lm/W		270mA		
KT-LED54PST8-120P2SO-8CSK-DW	54W	4000K	6918 lm/W	136 lm/W	120″	491mA		
		5000K	7360 lm/W	136 lm/W		491mA		
		6500K	7360 lm/W	136 lm/W		491mA		
	47W	4000K	6016 lm/W	136 lm/W		419mA		
		5000K	6400 lm/W	136 lm/W		419mA		
		6500K	6400 lm/W	136 lm/W		419mA		
	30W	4000K	3845 lm/W	136 lm/W		280mA		
		5000K	4090 lm/W	136 lm/W		280mA		
		6500K	4090 lm/W	136 lm/W		280mA		

PRODUCT IMAGES



KEYSTONE SINCE 1945 LIGHT MADE EASY®

SIGNHERO 360 DIRECT WIRE LED SIGN TUBE

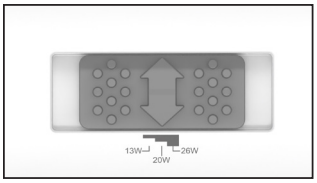
POWER SELECT COLOR SELECT

KT-LEDXXPST8-XXP2SO-8CSK-DW

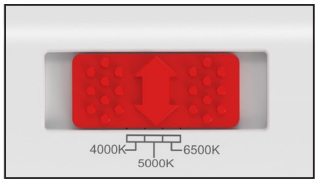
LED SIGN LAMP

KEY FEATURES

POWER AND COLOR SELECATBILITY

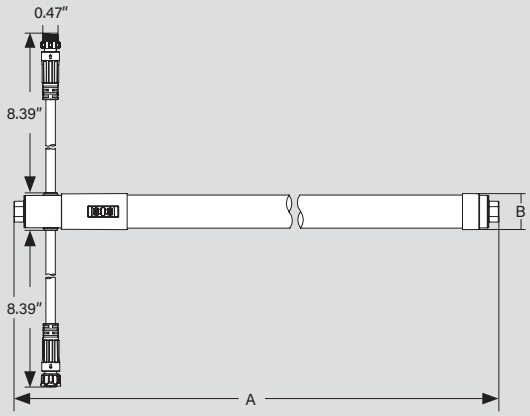


- Keystone Power Select technology (see Performance Specifications for details): 100%, 75%, or 50% output for cabinet depth flexibility



- Keystone Color Select Technology (4000/5000/6500K)

PHYSICAL SPECIFICATIONS



Catalog Number	Minimum New Construction Spacing (in)	Maximum New Construction Spacing (in)	Minimum Fluorescent Socket Spacing (in)	Maximum Fluorescent Socket Spacing (in)	Nominal Fluorescent Replacement	Replaces Fluorescent Model	Diameter (in)
KT-LED10PST8-18P2SO-8CSK-DW	17.55	18.41	17.25	18.5	18″	F18T12 / F18T12HO	1.12
KT-LED12PST8-24P2SO-8CSK-DW	23.55	24.41	23.25	24.5	24″	F24T12 / F24T12HO	
KT-LED15PST8-30P2SO-8CSK-DW	29.54	30.41	29.25	30.5	30″	F30T12 / F30T12HO	
KT-LED18PST8-36P2SO-8CSK-DW	35.55	36.41	35.25	36.5	36″	F36T12 / F36T12HO	
KT-LED21PST8-42P2SO-8CSK-DW	41.54	42.41	41.25	42.5	42″	F42T12 / F42T12HO	
KT-LED23PST8-48P2SO-8CSK-DW	47.55	48.41	47.25	48.5	48″	F48T12HO	
KT-LED29PST8-60P2SO-8CSK-DW	59.53	60.39	59.25	60.5	60″	F60T12HO	
KT-LED32PST8-64P2SO-8CSK-DW	63.54	64.41	63.25	64.5	64″	Custom sign size fluorescent	
KT-LED37PST8-72P2SO-8CSK-DW	71.55	72.41	71.25	72.5	72″	F72T12HO	
KT-LED41PST8-84P2SO-8CSK-DW	83.55	84.41	83.25	84.5	84″	F84T12HO	
KT-LED46PST8-96P2SO-8CSK-DW	95.55	96.41	95.25	96.5	96″	F96T12HO	
KT-LED50PST8-108P2SO-8CSK-DW	107.55	108.41	107.25	108.5	108″	F108T12HO	
KT-LED52PST8-117P2SO-8CSK-DW	116.54	117.41	116.25	117.5	117″	F117T12HO	
KT-LED54PST8-120P2SO-8CSK-DW	119.55	120.41	119.25	120.5	120″	F120T12HO	

KEYSTONE SINCE 1945 LIGHT MADE EASY®

SIGN HERO 360 DIRECT WIRE LED SIGN TUBE

POWER SELECT COLOR SELECT

KT-LEDXXPST8-XXP2SO-8CSK-DW

LED SIGN LAMP

ACCESSORIES (sold separately)

Catalog Number	Description	UPC	Easy Code
KTSP-10KV	External surge protector; Input voltage 120–277V; Max. peak current: 10KV; IP65 Rated	890949012208	FXK-84
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 self-drilling fasteners	890949019375	ZHK-62
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 self-drilling fasteners	890949019382	KES-18
KT-SH-DW-MB2	90° aluminum mounting brackets (2 XL spring loaded)	843654180052	ADC-53
KT-SH-DW-EXT	12″ extension cable for Sign Hero Direct; includes waterproof connectors on both ends for tube-to-tube connection	843654174877	QPR-26
KT-SH-DW-LC	6′ lead cable for Sign Hero Direct; includes a waterproof connector on one end for connection to power input	843654174884	QUA-88

ORDERING INFORMATION

Catalog Number	Carton QTY	UPC	Easy Code
KT-LED10PST8-18P2SO-8CSK-DW	9pcs	843654174723	UES-76
KT-LED12PST8-24P2SO-8CSK-DW		843654174730	AIU-37
KT-LED15PST8-30P2SO-8CSK-DW		843654174747	HMD-57
KT-LED18PST8-36P2SO-8CSK-DW		843654174754	KIO-16
KT-LED21PST8-42P2SO-8CSK-DW		843654174761	MQA-37
KT-LED23PST8-48P2SO-8CSK-DW		843654174778	QUV-79
KT-LED29PST8-60P2SO-8CSK-DW		843654174785	MRJ-41
KT-LED32PST8-64P2SO-8CSK-DW		843654174792	JOO-42
KT-LED37PST8-72P2SO-8CSK-DW		843654174808	ICE-69
KT-LED41PST8-84P2SO-8CSK-DW		843654174815	OVC-23
KT-LED46PST8-96P2SO-8CSK-DW		843654174822	UHD-38
KT-LED50PST8-108P2SO-8CSK-DW		843654174839	AWN-76
KT-LED52PST8-117P2SO-8CSK-DW		843654174846	BDC-48
KT-LED54PST8-120P2SO-8CSK-DW		843654174853	XKB-75

KEYSTONE SINCE 1945 LIGHT MADE EASY®

SIGNHERO 360 DIRECT WIRE LED SIGN TUBE

POWER SELECT COLOR SELECT

KT-LEDXXPST8-XXP2SO-8CSK-DW

LED SIGN LAMP

CATALOG NUMBER BREAKDOWN

KT-	LED	XX	PST8-	XX	P2SO-	8	CSK-	DW
1	2	3	4	5	6	7	8	9

10	11	12	13
10	11	12	13

1 Keystone Technologies
2 LED Lamp
3 Max Wattage
4 Power Select
5 Lamp Type
6 Nominal Length
7 Plastic
8 Double - Sided
9 Optical Lens
10 80 CRI
11 Color Select
12 Color Select Designation
13 Direct Wire

3 Max Wattage

10	10W
12	12W
15	15W
18	18W
21	21W
23	23W
29	29W
32	32W
37	37W
41	41W
46	46W
50	50W
52	52W
54	54W

6 Nominal Length

18	18″
24	24″
30	30″
36	36″
42	42″
48″	48″
60	60″
64	64″
72	72″
84	84″
96	96″
108	108″
117	117″
120	120″

12 Color Select Designation

K	4000/5000/6500K