



Ti RETROFIT KITS

INDOOR LED FIXTURES



RETROFIT KIT

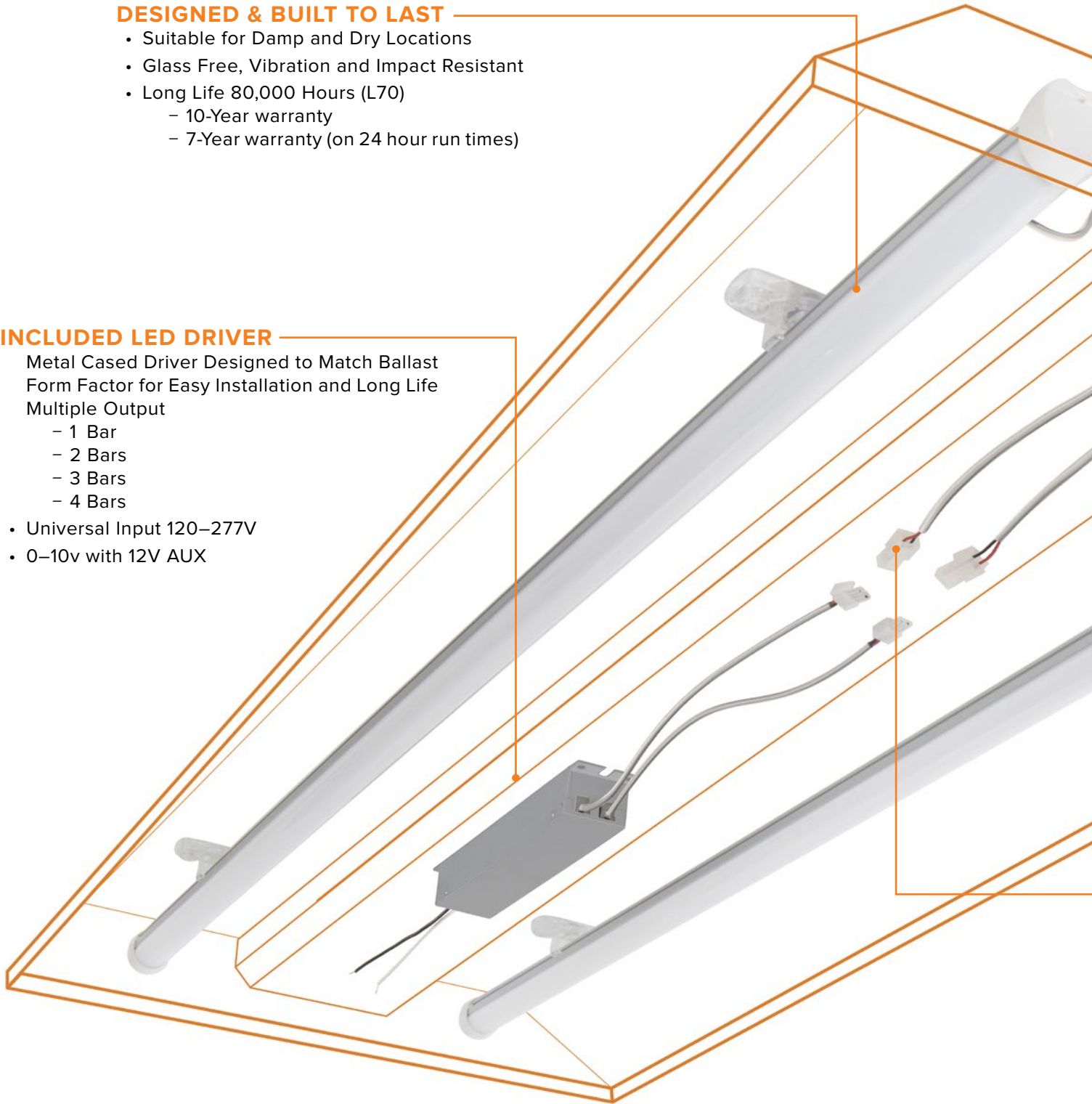
DESIGNED & BUILT TO LAST

- Suitable for Damp and Dry Locations
- Glass Free, Vibration and Impact Resistant
- Long Life 80,000 Hours (L70)
 - 10-Year warranty
 - 7-Year warranty (on 24 hour run times)

INCLUDED LED DRIVER

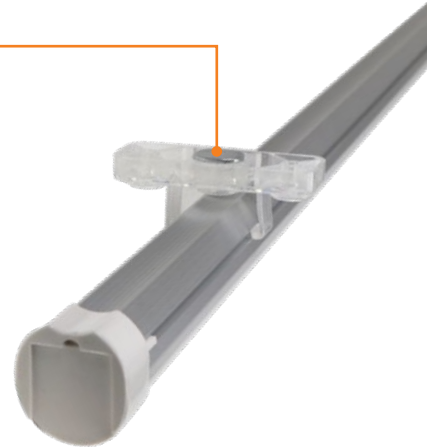
Metal Cased Driver Designed to Match Ballast Form Factor for Easy Installation and Long Life
Multiple Output

- 1 Bar
- 2 Bars
- 3 Bars
- 4 Bars
- Universal Input 120–277V
- 0–10v with 12V AUX



EASY INSTALLATION

- Rare Earth Magnets or Hex Screws for Easy Mounting
- Ti Clips Allow For Effortless Light Positioning
- Does Not Require Access to Ceiling Plenum
- Uses Existing Fixture Housings
- No Tombstones Required

**Ti TECHNOLOGY**

- Available Kit Options Range from 1,379W to 12,639W
- Up to 130 Lumens per Watt
- Available in 1x2, 1x4, 1x8, 2x4 and 2x2 Configurations
- Available in 3000K, 3500K, 4000K and 5000K
- Compatible with Network Lighting Control Qualified Systems

QUICK-CONNECT BENEFITS

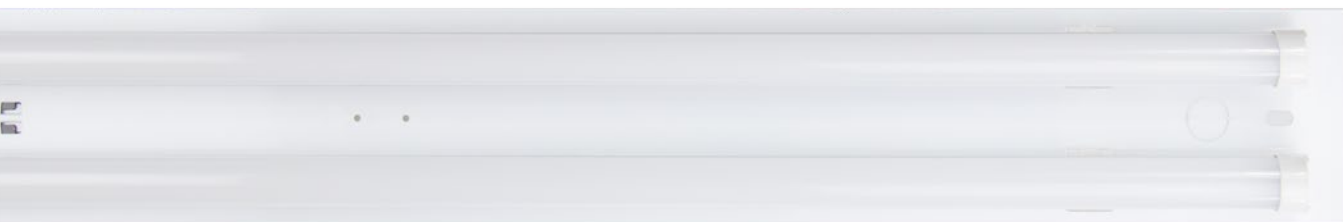
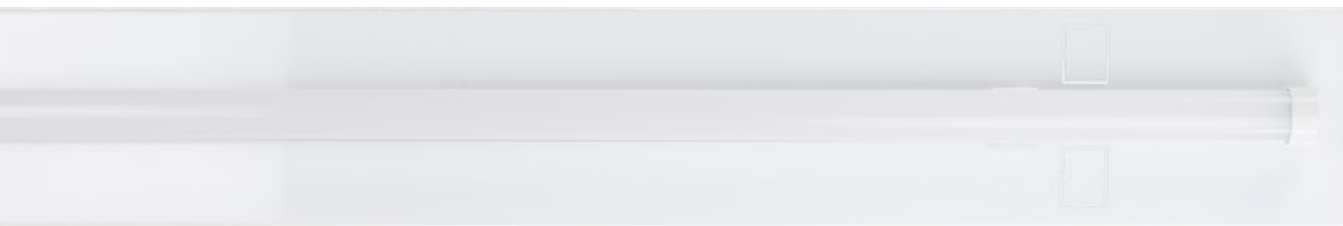
- Extremely Fast Installation with Quick Connect Clips
- Connects Directly to DC Line from Driver

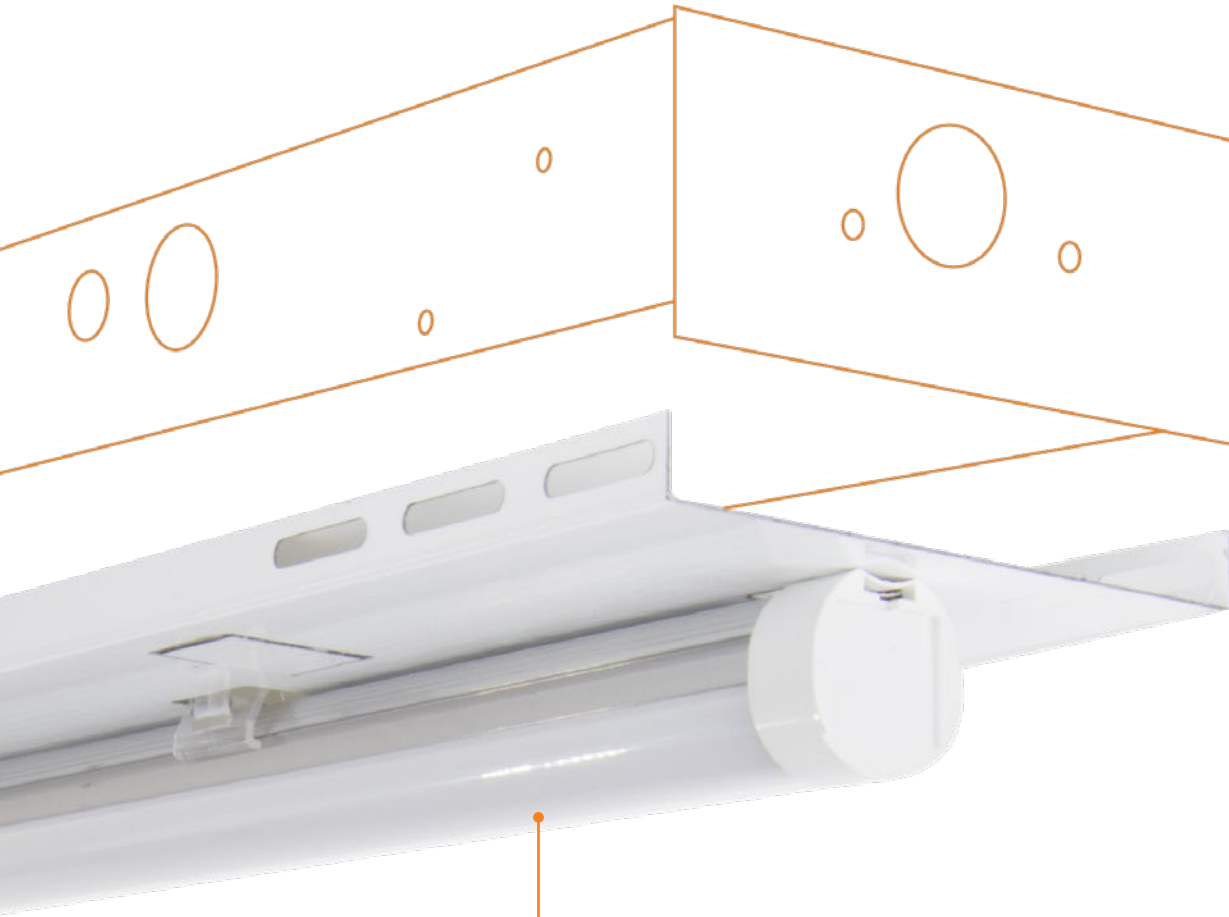


STRIP RETROFIT KIT

USE EXISTING FIXTURES & HOUSINGS

- Quickly Retrofit 4 and 8 ft Fluorescent Strip Fixtures to LED Lighting
- No Need to Access Ceiling Plenum
- Universal Mounting Ensures High Compatibility





EFFICIENT LED LIGHTING

- Available in 3000K, 3500K, 4000K and 5000K
- Available Lumen Packages:
 - 4 Foot (1,766 to 8,309 Lumens)
 - 8 Foot (3,509 to 17,028 Lumens)

OPTIONS

- Emergency Backup Capable
- Hand Held Remote Programming
- Daylight and Occupancy Sensors 4OCC-LDD



PLATE RETROFIT KIT

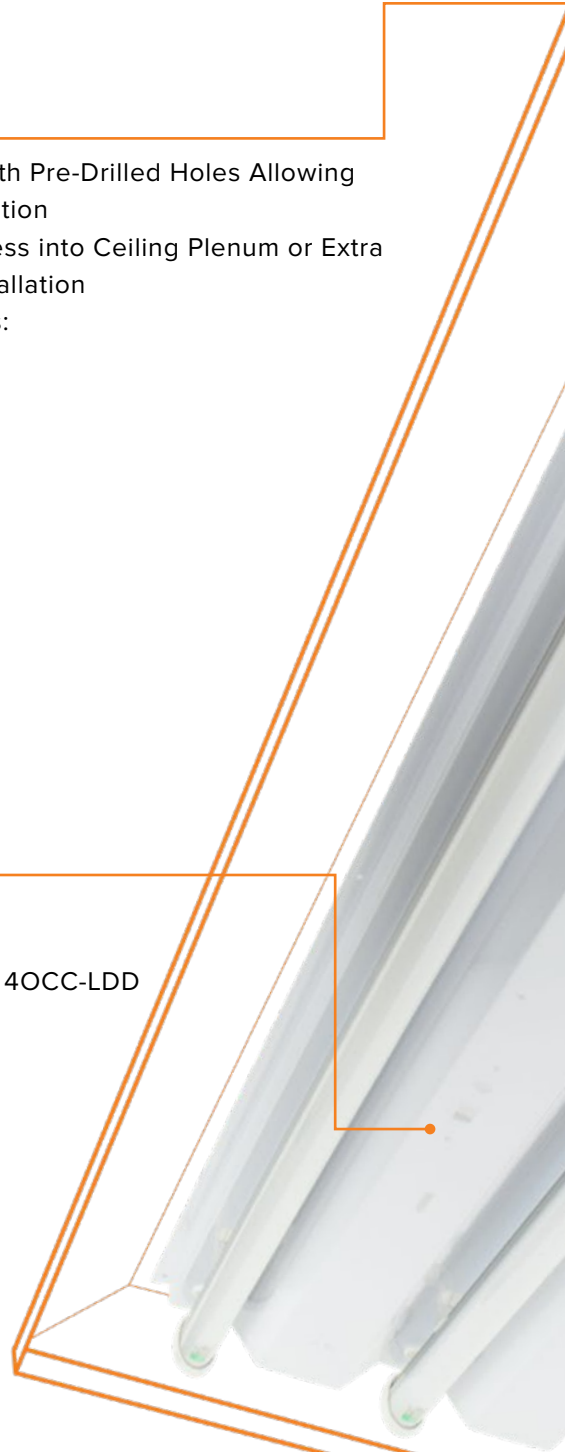


EASY UPGRADE

- Single Piece Design with Pre-Drilled Holes Allowing Quick and Easy Installation
- Does Not Require Access into Ceiling Plenum or Extra Junction Boxes for Installation
- Multiple Configurations:
 - 2'x2' Kit
 - 2'x4' Kit

OPTIONS

- Emergency Capable
- Hand Held Remote Programming
- Daylight and Occupancy Sensors 4OCC-LDD



**APPLICATIONS**

- 3 Ti Retrofit Plate for Parabolic and Lensed Troffers
- 2 Ti Retrofit Plate for Lensed Troffers
- Variety of Kelvin Options:
 - 3000K
 - 3500K
 - 4000K
 - 5000K

USE EXISTING FIXTURES & HOUSINGS

- Quickly Retrofit 4ft and 8ft Fluorescent Strip Fixtures to LED Lighting
- No Need to Access Ceiling Plenum
- Universal Mounting Ensues High Compatibility

ORDERING GUIDE & CATALOG INFORMATION

ESL	-	Ti	-	(z)	-	S	-	(yy)	-	(#)L	-	F	-	(xx)	-	
ESL	-	TYPE	-	SERIES	-	LISTING	-	WATTS	-	LAMP	-	LENS	-	KELVIN	-	OPTIONS

OPTIONS/ACCESSORIES

ESL-EMG-SL1-CDC-9W	Emergency Backup Battery Unit, Auto Test Function, 9 Watts Output, 90 Minutes MIn, 120–277VAC Input, 10–300VDC Output, Closed Frame with Dual Flex Conduits, UL Listed for Factory or Field install, Title 20
ESL-EMG-SL1-CDC-18W	Emergency Backup Battery Unit, Auto Test Function, 18 Watts Output, 90 Minutes MIn, 120–277VAC Input, 20–300VDC Output, Closed Frame with Dual Flex Conduits, UL Listed for Factory or Field install, Title 20
ESL-EMG-SL1-OTB-9W	Emergency Backup Battery Unit, Auto Test Function, 9 Watts Output, 90 Minutes MIn, 120–277VAC Input, 10–300VDC Output, Open Terminal Block Wiring, cUL Listed for Factory or Field install, Title 20
ESL-4OCC-LDD	Occupancy and Photocell Sensor
ESL-REM-100	Hand Held Remote to Program ESL-4OCC-LDD

RETROFIT KITS



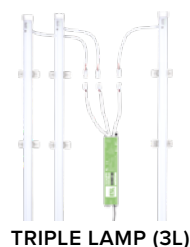
1'x2' RETROFIT KIT

PART NUMBER	MAX DELIVERED lm/W	MAX DELIVERED KIT LUMENS	AVAILABLE WATTAGES (yy)	AVAILABLE LAMPS (#L)	AVAILABLE KELVIN (xx)
ESL-Ti-K12-S-yyW-1L-Fxx	140 134	1,400 1,742	10W 13W	SINGLE (1L)	3000K (30) 3500K (35) 4000K (40) 5000K (50)
ESL-Ti-K12-S-yyW-2L-Fxx	105 105	1,946 2,562	20W 26W	DUAL (2L)	3000K (30) 3500K (35) 4000K (40) 5000K (50)



1'x4' RETROFIT KIT

ESL-Ti-K14-S-yyW-1L-Fxx	114 114 114 110	1,379 1,643 1,929 2,261	13W 15W 18W 22W	SINGLE (1L)	3000K (30) 3500K (35) 4000K (40) 5000K (50)
ESL-TiHO-K14-S-30W-1L-Fxx	101	2,866	30W	SINGLE (1L)	4000K (40) 5000K (50)
ESL-Ti-K14-S-yyW-2L-Fxx	108 104 104 100	2,635 3,157 3,656 4,310	26W 30W 36W 44W	DUAL (2L)	3000K (30) 3500K (35) 4000K (40) 5000K (50)
ESL-TiHO-K14-S-60W-2L-Fxx	99	6,300	60W	DUAL (2L)	4000K (40) 5000K (50)

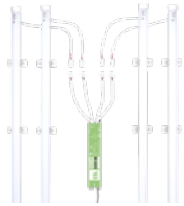


1'x8' RETROFIT KIT

ESL-Ti-K18-S-yyW-1L-Fxx	133 130	3,774 4,535	30W 36W	SINGLE (1L)	3000K (30) 3500K (35) 4000K (40) 5000K (50)
ESL-Ti-K18-S-yyW-2L-Fxx	133 132	7,864 9,091	60W 72W	DUAL (2L)	3000K (30) 3500K (35) 4000K (40) 5000K (50)

2'x2' RETROFIT KIT

ESL-Ti-K22-S-yyW-2L-Fxx	105 105	1,946 2,562	20W 26W	DUAL (2L)	3000K (30) 3500K (35) 4000K (40) 5000K (50)
ESL-Ti-K22-S-yyW-3L-Fxx	105 105	2,786 3,843	30W 39W	TRIPLE (3L)	3000K (30) 3500K (35) 4000K (40) 5000K (50)
ESL-Ti-K22-S-yyW-4L-Fxx	106 108	3,829 5,332	40W 52W	QUAD (4L)	3000K (30) 3500K (35) 4000K (40) 5000K (50)


QUAD LAMP (4L)
2'x4'
RETROFIT KIT

PART NUMBER	MAX DELIVERED lm/W	MAX DELIVERED KIT LUMENS	AVAILABLE WATTAGES (yy)	AVAILABLE LAMPS (#L)	AVAILABLE KELVIN (xx)
ESL-Ti-K24-S-yyW-2L-Fxx	116	2,848	26W	DUAL (2L)	3000K (30)
	120	3,348	30W		3500K (35)
	116	3,759	36W		4000K (40)
	109	4,757	44W		5000K (50)
ESL-TiHO-K24-S-60W-2L-Fxx	112	6,693	60W	DUAL (2L)	4000K (40) 5000K (50)
ESL-Ti-K24-S-yyW-3L-Fxx	113	4,074	39W	TRIPLE (3L)	3000K (30)
	112	4,730	45W		3500K (35)
	110	5,542	54W		4000K (40)
	106	6,728	66W		5000K (50)
ESL-TiHO-K24-S-60W-3L-Fxx	103	9,270	90W	TRIPLE (3L)	4000K (40) 5000K (50)
ESL-Ti-K24-S-yyW-4L-Fxx	117	5,406	52W	QUAD (4L)	3000K (30)
	117	6,721	60W		3500K (35)
	111	7,675	72W		4000K (40)
	109	9,224	88W		5000K (50)
ESL-TiHO-K24-S-120W-4L-Fxx	103	12,639	120W	QUAD (4L)	4000K (40) 5000K (50)

STRIP RETROFIT KITS

SRK SINGLE LAMP (1L)
4'
STRIP KIT

PART NUMBER	MAX DELIVERED lm/W	MAX DELIVERED KIT LUMENS	AVAILABLE WATTAGES (yy)	AVAILABLE LAMPS (#L)	AVAILABLE KELVIN (xx)
ESL-Ti-4SRK-S-yyW-1L-Fxx	146	1,766	13W	SINGLE (1L)	3000K (30)
	142	2,084	15W		3500K (35)
	142	2,467	18W		4000K (40)
	138	2,915	22W		5000K (50)
ESL-TiHO-4SRK-S-30W-1L-Fxx	143	4,000	30W	SINGLE (1L)	4000K (40) 5000K (50)
ESL-Ti-4SRK-S-yyW-2L-Fxx	143	3,584	26W	DUAL (2L)	3000K (30)
	138	3,878	30W		3500K (35)
	138	4,513	36W		4000K (40)
	133	5,725	44W		5000K (50)
ESL-TiHO-4SRK-S-60W-2L-Fxx	139	8,309	60W	DUAL (2L)	4000K (40) 5000K (50)
ESL-Ti-8SRK-S-yyW-1L-Fxx	146	3,509	26W	DUAL (2L)	3000K (30)
	142	3,984	30W		3500K (35)
	142	4,636	36W		4000K (40)
	138	5,948	44W		5000K (50)
ESL-TiHO-8SRK-S-60W-1L-Fxx	143	8,525	60W	DUAL (2L)	4000K (40) 5000K (50)
ESL-Ti-8SRK-S-yyW-2L-Fxx	143	6,790	52W	QUAD (4L)	3000K (30)
	138	8,474	60W		3500K (35)
	138	9,661	72W		4000K (40)
	133	11,552	88W		5000K (50)
ESL-TiHO-8SRK-S-120W-2L-Fxx	139	17,028	120W	QUAD (4L)	4000K (40) 5000K (50)


SRK DOUBLE LAMP (2L)
8'
STRIP KIT

PLATE RETROFIT KIT

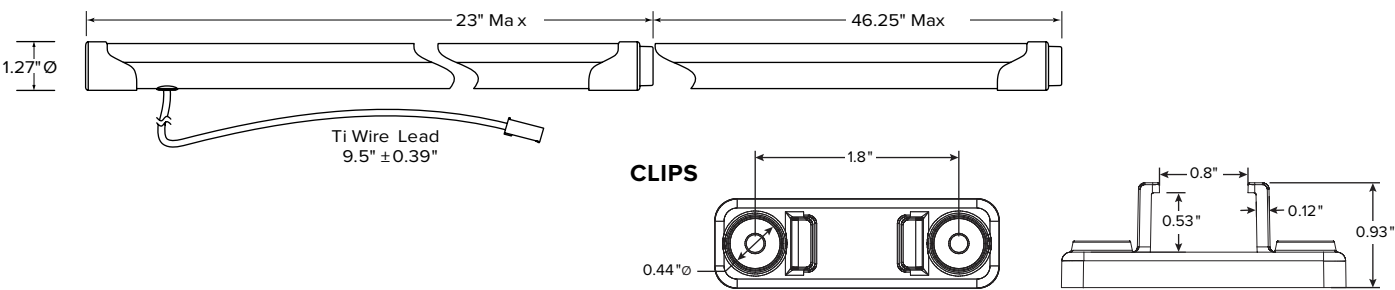
PK24 2L
2'x2'
PLATE KIT

PART NUMBER	MAX DELIVERED lm/W	MAX DELIVERED LUMENS PER LAMP	AVAILABLE WATTAGES (yy)	AVAILABLE LAMPS (#L)	AVAILABLE KELVIN (xx)
ESL-Ti-PK22-S-yyW-2L-Fxx	105	2,562	20W	DUAL (2L)	3000K (30)
			26W		3500K (35)
ESL-Ti-K22-S-yyW-3L-Fxx	105	3,843	30W	TRIPLE (3L)	4000K (40)
			39W		5000K (50)
ESL-Ti-PK24-S-yyW-2L-Fxx	116	2,842	26W	DUAL (2L)	3000K (30)
	120	3,348	30W		3500K (35)
	116	3,758	36W		4000K (40)
	109	4,774	44W		5000K (50)
ESL-TiHO-PK24-S-60W-2L-Fxx	112	6,720	60W	DUAL (2L)	4000K (40) 5000K (50)
ESL-Ti-PK24-S-yyW-3L-Fxx	113	4,079	39W	TRIPLE (3L)	3000K (30)
	112	4,726	45W		3500K (35)
	110	5,555	54W		4000K (40)
	106	6,752	66W		5000K (50)
ESL-TiHO-PK24-S-60W-3L-Fxx	104	9,391	90W	TRIPLE (3L)	4000K (40) 5000K (50)


PK24 3L
2'x4'
PLATE KIT

PRODUCT DIMENSIONS

RETROFIT KIT



STRIP RETROFIT KIT

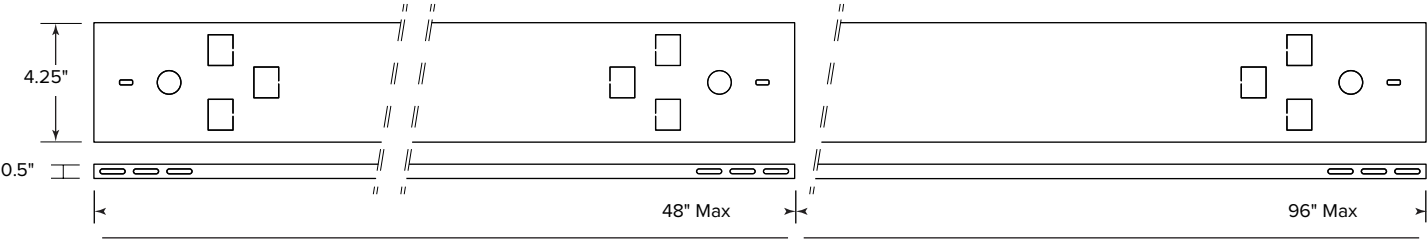
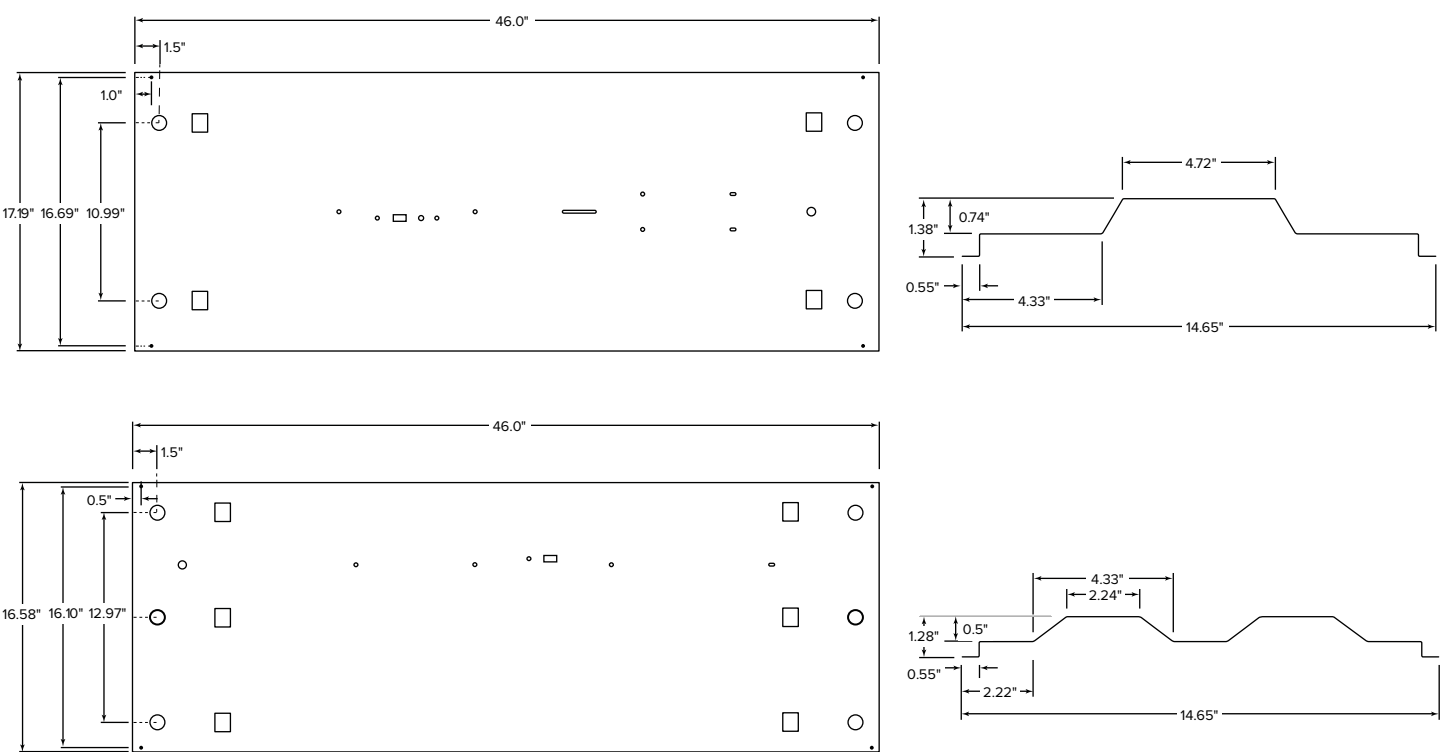


PLATE RETROFIT KIT



OPTIONS/ACCESSORIES



EMERGENCY*

ESL-EMG-SL1-CDC-18W

Emergency Backup Battery Unit, Auto Test Function, 18 Watts Output, 90 Minutes Min, 120–277VAC Input, 20–300VDC Output, Closed Frame with Dual Flex Conduits, UL Listed for Factory or Field install, Title 20

ESL-EMG-SL1-OTB-9W

Emergency Backup Battery Unit, Auto Test Function, 9 Watts Output, 90 Minutes Min, 120–277VAC Input, 10–300VDC Output, Open Terminal Block Wiring, UL Listed for Factory or Field install, Title 20

ESL-EMG-SL1-CDC-9W

Emergency Backup Battery Unit, Auto Test Function, 9 Watts Output, 90 Minutes Min, 120–277VAC Input, 10–300VDC Output, Closed Frame with Dual Flex Conduits, UL Listed for Factory or Field install, Title 20

*Multiple Emergency Options To Choose From



REMOTE CONTROLS

ESL-REM100

Hand Held Remote



SENSORS

ESL-4OCC-LDD

Occupancy Sensor, 0–10V Dimming, 8'–20' Mounting





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