

Project: \_\_\_\_\_

Type: \_\_\_\_\_

Drawn by: \_\_\_\_\_ Catalogue #: \_\_\_\_\_

Date: \_\_\_\_\_

## L2STN LED STRIP 3 CCT Selectable

### Optional Emergency Remote

The L2STN Series is a great option for retrofitting your traditional fluorescent linear luminaires to balance performance, aesthetics, and cost. These high-quality LED strip lights are equipped with a frosted lens that diffuses the light comfortably, and are ideal for a wide range of commercial and industrial applications.

### FEATURES AND SPECIFICATIONS

#### • Construction

##### Physical Characteristics

- Sleek and compact design ideal for installation in tight spaces
- 24 gauge white powder painted steel
- Frosted PMMA lens
- CCT Selectable switch placed discretely inside the housing

##### Mounting

- Surface, suspended or row mounted (see accessories)
- V-Hooks, canopy plate for octagonal junction box, and mounting brackets are included

#### • Performance Data

- Available in both 3 500 K and 4 000 K single color temperatures, or 3 500/4 000/5 000 K selectable color temperature
- 80+ CRI
- Electrical ratings: 120 - 347 V, 120 - 277 V and 347 V
- Estimated life of over 162 000 hours to L70
- 0-10 V dimming standard
- 2.5 kV surge protection
- Operating temperature:
  - 20 °C to 50 °C (-4 °F to 122 °F)
- Operating temperature with LINK:
  - 20 °C to 25 °C (-4 °F to 77 °F)

#### • Optional Emergency Lighting

##### LINK Normally ON Emergency Remote LED Strip

- Consuming 11 W, 12 - 24 VDC
- 200 mA constant current
- Delivers 1 216 - 1 298 lumens in emergency mode
- Ease of maintenance when used with Stanpro emergency lighting battery units complete with auto test function
- Complements Stanpro's normally ON LED strip family
- Patent pending

*Please view the LINK specification section for more details on this technology*

#### • Emergency Lighting Compliances

- CSA certified as a C22.2 C141-15 emergency lighting luminaire
- Meets ICES-005 requirements

#### • General Lighting Compliances

- cULus listed for damp locations
- DLC Premium and Standard
- Meets requirements of ICES-005 issue 5 class A for use in commercial applications



### OVERVIEW

Light source	LED
Watts (W)	20 - 75
Lumen output (lm)	2 640 - 9 750
Efficacy (lm/W)	130 - 134
Color temperature (K)	3 500, 4 000, 5 000
CRI	80+
Weight (lbs)	24": 2.20, 48": 4.52, 96": 9.04

<sup>1</sup> 5 year warranty for the LINK module.

Not all products are qualified on the DLC QPL. To view our DLC qualified products, please consult the DLC Qualified Products List at [www.designlights.org/search](http://www.designlights.org/search).

**QUICK SHIP AND TECHNICAL SPECIFICATION TABLE**

Order code	Model number	Watts (W)	Volts (V AC)	Color temp. (K) <sup>1</sup>	Lumen output (lm) <sup>2</sup>	Efficacy (lm/W)	CRI	Life L70 (hrs) <sup>4</sup>	Tested hours LM-80 (hrs) <sup>4</sup>	Dimming (Yes/No)	Power factor	THD (%)	Master case qty
<b>24" CCT Selectable with Emergency Remote Feature</b>													
69112	L2STN-24LS1-Q/3C/EL	20 <sup>5</sup>	120-347	3 500/4 000/5 000	2 640 <sup>3</sup>	132	80+	190 000	9 000	Yes	0.90	10	6
<b>48"</b>													
68123	L2STN-48LS3-Q/40K	35	120-347	4 000	4 585	131	80+	162 000	9 000	Yes	0.90	10	6
<b>48" with Emergency Remote Feature</b>													
69113	L2STN-48LS3-Q/40K/EL	35 <sup>5</sup>	120-347	4 000	4 585	131	80+	162 000	9 000	Yes	0.90	10	6
<b>96"</b>													
68130	L2STN-96LS2-H/35K	75	347	3 500	9 750	130	80+	162 000	9 000	Yes	0.90	10	1
68133	L2STN-96LS2-W/35K	75	120-277	3 500	9 750	130	80+	162 000	9 000	Yes	0.90	10	1

<sup>1</sup> Typical color temperature range: +/- 5 %.

<sup>2</sup> Lumen values are derived from photometric testing. Initial lumens range: +/- 10 %.

<sup>3</sup> Lumen values are derived from DLC reported data at 3 500 K. Please refer to the LUMEN SPECIFICATION TABLE for more details on other color temperatures.

<sup>4</sup> Life hours are derived from IESNA LM-80-08 testing report and projected per IESNA TM-21-11 extrapolations.

<sup>5</sup> For wattage and lumen consumption in Emergency Mode, please see the LINK Technical Specification Table on page 3.

**For emergency lighting spacing, please see page 5.**
**DLC UNIQUE ID TABLE**

Order Code	Model Number	DLC Premium Unique ID <sup>1</sup>	DLC Standard Unique ID <sup>2</sup>
68123	L2STN-48LS3-Q/40K	S-36RNC8	S-KHODL1
68130	L2STN-96LS2-H/35K	S-9IR3VD	S-A02MF3
68133	L2STN-96LS2-W/35K	S-YPLCXD	S-31VWG7

<sup>1</sup> Primary Use Designation: Stairwell and Passageway Luminaires

<sup>2</sup> Primary Use Designation: Direct Linear Ambient Luminaires

**LUMEN SPECIFICATION TABLE**

Order code	Model number	Watts (W)	3 500 K		4 000 K		5 000 K	
			Lumen output (lm)	Efficacy (lm/W)	Lumen output (lm)	Efficacy (lm/W)	Lumen output (lm)	Efficacy (lm/W)
69112	L2STN-24LS1-Q/3C/EL	20	2 640	132	2 660	133	2 680	134

**DEFAULT PROGRAMMING**

69112: 4 000 K

**ORDERING GUIDE**

Series	Size	Lamp type	Lumen package <sup>1</sup>	Volts (V AC)	Color temp. (K)	Options
L2STN	48 - 48"	L- LED	S3 - 4 585 lumens (35 W)	Q - 120-347	40K - 4 000	EL - LINK Normally ON emergency remote <sup>2</sup>

<sup>1</sup> See IES files for details.

<sup>2</sup> When in emergency mode, luminaire only consumes 11 W.

For emergency lighting spacing, please see page 5.

**LINK TECHNICAL SPECIFICATION TABLE**

Size	Lumen package	Watts (W)	LINK Watts (W)	LINK Lumen output (lm)
24"	LS1	20	11	1 298
48"	LS3	35		1 216

**COMPATIBLE DIMMERS<sup>1</sup>**

Brand	Model
Leviton	ILLUMATECH IP710-LFZ
Lutron	DIVADVSTV Maestro MS-Z101 Nova T NTSTV
Philips	Sunrise SR1200ZTUNV

**Dimming range:** 10%-100%

<sup>1</sup> This table shows dimmers that have been tested and have demonstrated proper operation under normal conditions. Each installation being unique, various factors such as load, common neutrals or other electrical products on the circuit can, in certain instances, cause variance in system performance. Read and comply to the dimmer installation instructions. Consult dimming system manufacturer for additional support in operation. Some dimmers may require more than one product for stable operation. Stanpro recommends to use dimmers designed to work with LED products. Older dimmers designed for incandescent products may cause erratic operation.

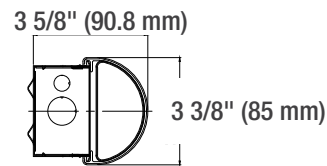
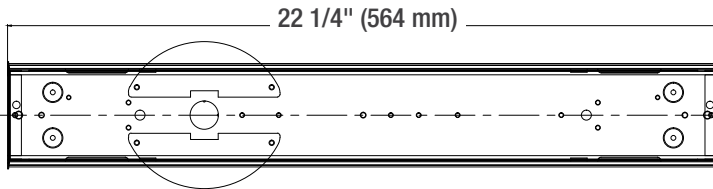
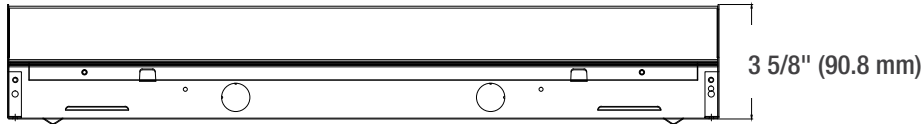
**ACCESSORIES (order separately)**

Order code	Type
68676	Suspension kit - 2 chains (1 meter)
68677	Continuous row mounting connector
68678	Replacement lens 24"
68679	Replacement lens 48"
68680	Replacement lens 96"
68622	Wireguard kit 48"
68857	Wireguard kit 96"
69082	10' Aviation cable kit with canopy, power cord & dimming wires
69069	External mount PIR motion sensor (120-277 V only)
69080	Remote control for PIR motion sensor

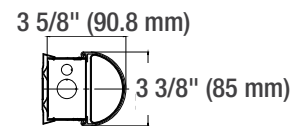
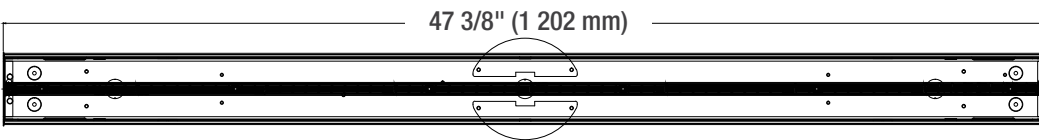
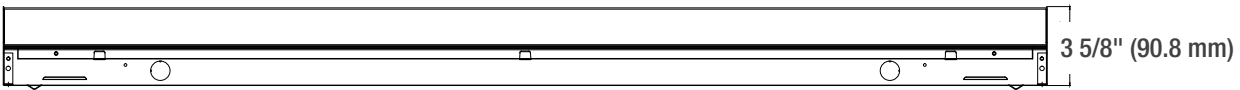
Data is based upon tests performed in a controlled environment. Actual performance can vary depending on operating conditions. All products are subject to change or may be discontinued any time without notice.

**DIMENSIONS**

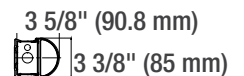
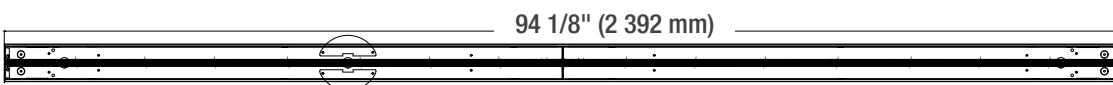
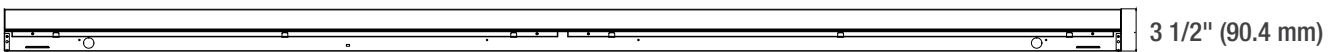
**24"**



**48"**



**96"**



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# LINK

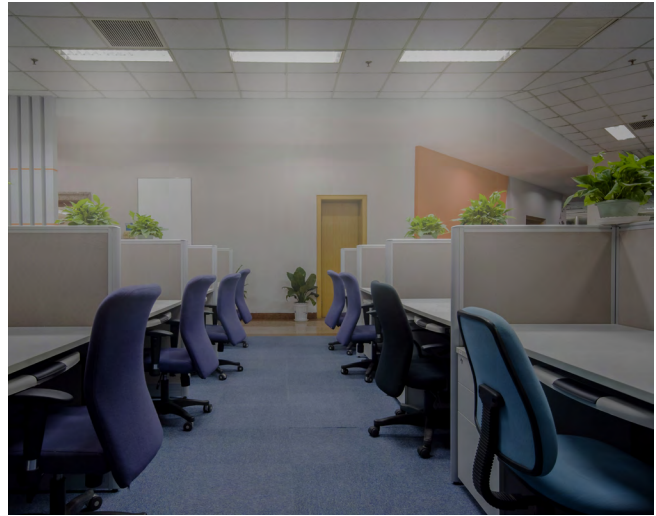
## NORMALLY ON EMERGENCY REMOTE LUMINAIRE

This luminaire can be used with an emergency backup powered by either a 12 V or 24 V DC Stanpro battery unit, complete with or without auto test.

### NORMAL MODE



### EMERGENCY MODE



### TYPICAL SPECIFICATION

Supply and install Stanpro LINK \_\_\_\_\_ft, LED strip, Model number: \_\_\_\_\_ remote normally ON emergency luminaire, CSA C22.2 141-15 certified and meet the requirements prescribed by ICES-005. Normally ON when AC is present and when connected to a Stanpro battery unit complete with or without auto test, this luminaire shall act as an emergency lighting remote and consume 11 W of DC power in \_\_\_\_\_ V producing 1 216 - 1 298 lumens in emergency mode.

The remote normally ON emergency luminaire shall be powered by a Stanpro emergency lighting battery unit as described herein and shown on the drawings. The Stanpro auto diagnostic micro-controller board shall supply the rated load for a minimum of a 1/2 hour to 87.5% of the rated battery voltage. The unit shall be rated 120 V, 277 V or 347 V, 60 Hz and be CSA listed. The unit shall have an output of: \_\_\_V and \_\_\_W. The charge voltage factory set to  $\pm 1\%$  tolerance. High efficiency, rapid recovery, precision control charging system shall be employed to promote long battery life and reduce the potential for grid corrosion. The charger shall provide a continuous high charge to recharge the battery, when the battery is at full capacity, the charger will shut-off. Periodically the charger shall provide a pulse of energy to keep the battery topped off. The pulse charger shall be precisely regulated and shall charge the battery in relation to its temperature, state or charge and input voltage fluctuations. The charger shall be current limited, temperature compensated, short-circuit proof and reverse polarity protected. The unit shall be furnished with an electronic lockout circuit, which will connect the battery when the AC circuit is activated, and an electronic brownout circuit, which will activate the emergency lights when utility power dips below 75% of nominal voltage. A low voltage battery protection circuit shall be provided and will disconnect the load when the battery reaches the end of discharge.

The automated testing performed by the Stanpro auto test system has been designed to comply with all of the requirements of the National Fire Code. Every month a 5 minute discharge and diagnostic test checks the operational status of the unit. Every 12 months, this test is extended to the full 30 minute, code required duration. This ensures that the battery charger is recharging the battery in accordance with code requirements.

The unit shall be Stanpro model: SL\_ \_\_\_\_\_

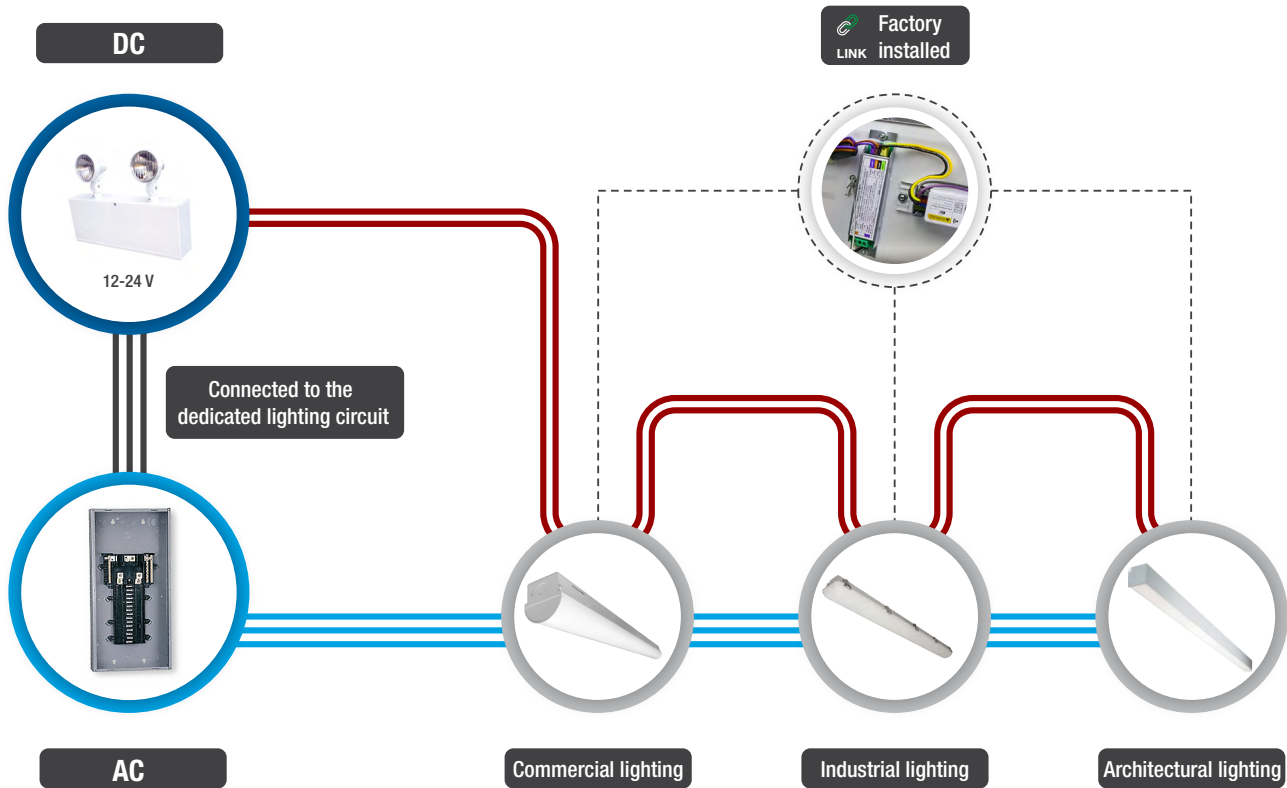
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# LINK

## NORMALLY ON EMERGENCY REMOTE LUMINAIRE

### LINK Wiring Diagram

LINK  
remote normally ON  
emergency lighting  
luminaire



**LEGEND**

- AC wires
- Connected to the dedicated lighting circuit
- DC wires
- LINK factory installed

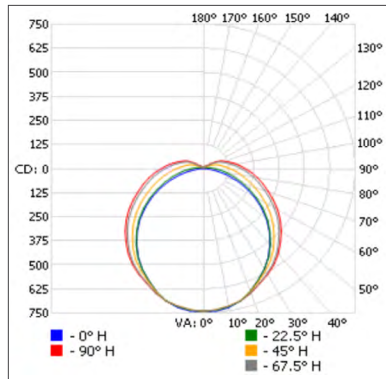
Emergency mode	Spacing
L2STN	Average spacing for 1 out of every 4 luminaires, normally ON in the path of egress, when at 8, 10, or 12 foot mounting heights.

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**GENERAL LIGHTING PHOTOMETRIC DATA<sup>1</sup>**

69112 • L2STN-24LS1-Q/3C/EL • 4 000 K • 2 658.0 lm

**Polar candela distribution**



**Zonal lumen summary**

Zone	Lumens	% Fixture
0-30	569.0	21.4
0-40	932.7	35.1
0-60	1678.4	63.1
60-90	701.3	26.4
70-100	510.0	19.2
90-120	234.3	8.8
0-90	2 379.7	89.5
90-180	278.3	10.5
0-180	2 658.0	100

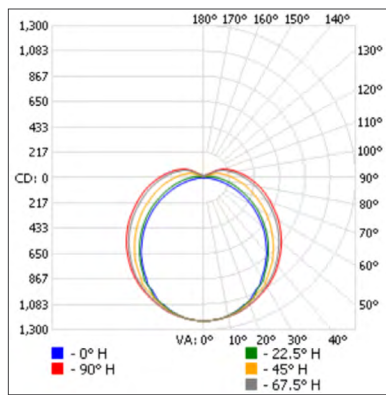
**Illuminance at a distance**

Center beam fc		Beam width	
1.7'	256	4.5'	7.6'
3.3'	68.0	8.8'	14.7'
5.0'	29.6	13.3'	22.3'
6.7'	16.5	17.8'	29.9'
8.3'	10.8	21.1'	37.0'
10.0'	7.41	26.6'	44.6'

■ Vert. spread: 106.27°  
■ Horiz. spread: 131.7°

68123 • L2STN-48LS3-Q/40K • 4 584.1 lm

**Polar candela distribution**



**Zonal lumen summary**

Zone	Lumens	% Fixture
0-30	951.2	20.7
0-40	1 563.3	34.1
0-60	2 829.3	61.7
60-90	1 250.4	27.3
70-100	930.1	20.3
90-120	430.1	9.4
0-90	4 079.7	89
90-180	504.4	11
0-180	4 584.1	100%

**Illuminance at a distance**

Center beam fc		Beam width	
1.7'	423	4.5'	9.2'
3.3'	112	8.7'	17.9'
5.0'	48.9	13.2'	27.1'
6.7'	27.3	17.7'	36.3'
8.3'	17.8	21.9'	45.0'
10.0'	12.2	26.4'	54.2'

■ Vert. spread: 105.7°  
■ Horiz. spread: 139.5°

<sup>1</sup> Complete IES files available on our website.

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