

## Individual Spec Sheet

# L2TRV

## TRI-LEVEL MOTION SENSOR LED STRIP

3 CCT and 3 Power Selectable

### ORDERING INFORMATION

**Order code:** 69402  
**Model number:** L2TRV-48LP45-Q/3C  
**UPC:** 069549027107  
**Case quantity:** 6  
**DLC unique ID:** S-G2XBDR1 (DLC Premium) / S-8N2EWH<sup>2</sup> & S-Z8J1T2<sup>3</sup> (DLC Standard)

### PHYSICAL DATA

**Length in. (cm):** 47 3/8 (120.34)  
**Lens material:** Frosted PMMA  
**Housing material:** 24 gauge semi-gloss white powder painted steel  
**Mounting:** Surface, suspended or row mounted (V-Hooks and junction box cover included)  
**Sensor:** Integrated tri-level microwave (high frequency) motion sensor (remote control sold separately)

### PERFORMANCE DATA

**Watts (W):** 34/38/45  
**Volts (V AC):** 120-347  
**Color temperature (K)<sup>1</sup>:** 3 500/4 000/5 000  
**Lumen output (lm)<sup>2</sup>:** 5 270/5 776/6 660  
**Efficacy (lm/W):** 138  
**CRI:** 80+  
**Life L70 (hrs)<sup>3</sup>:** 156 000  
**Tested LM-80 (hrs)<sup>3</sup>:** 10 000  
**Power factor:** 0.90  
**THD (%):** 10  
**Frequency (Hz):** 50/60  
**Surge protection (kV):** 2.5  
**Input current (A):** 0.28-0.10/0.32-0.11/0.38-0.13  
**Operating temp. range:** -20 °C to 50 °C (-4 °F to 122 °F)

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

<sup>2</sup> Lumen values are based on 4 000 K default programming. Please refer to the LUMEN SPECIFICATION TABLE for more details on other color temperatures.

<sup>3</sup> Life hours are derived from IESNA LM-80 testing report and projected per IESNA TM-21 extrapolations.

### LUMEN SPECIFICATION TABLE

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)
34	4 930	145	5 270	155	4 998	147
38	5 396	142	5 776	152	5 472	144
45	6 210	138	6 660	148	6 300	140

#### DEFAULT PROGRAMMING

45 W / 4 000 K

#### NOTE:

- Depending on the application, the Detection Area setting of the sensor may need to be reduced for proper detection.
- For optimal performance, the luminaire must be installed on a solid surface or structure, free from shaking and vibrations.
- To prevent sensor malfunction and false triggering, avoid installing the luminaire near areas of high vibration, such as large machinery, fans, HVAC systems and motors, as well as large metal objects and surfaces.

This lighting equipment meets requirements of ICES-005 issue 5 class A for use in commercial applications.  
 Data is based upon tests performed in a controlled environment.  
 Actual performance can vary depending on operating conditions. Specifications are subject to change without notice.



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).

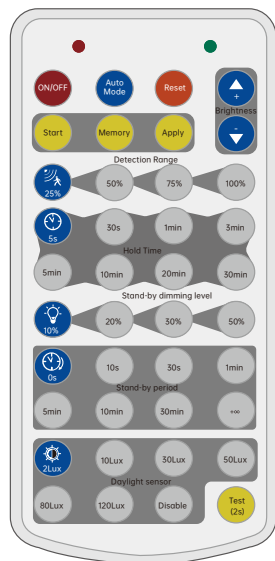
<sup>1</sup> Stairwell And Passageway Luminaires

<sup>2</sup> Direct Linear Ambient Luminaires

<sup>3</sup> Low-Bay Luminaires for Commercial and Industrial Buildings.

## SENSOR PROGRAMMING AND SETTINGS OPTIONS

**NOTE:** A remote control (sold separately - order code: 69399) is required to modify sensor programming. A single remote control can be used to program multiple sensors.



Button	Function	Details
	ON/OFF	1. The "ON/OFF" button functions only to turn the luminaire ON or OFF. 2. If this button is pressed to turn off the luminaire before a short-circuit, the luminaire will remain turned off once the power is restored.
	Auto Mode	When the "Auto Mode" button is pressed, the sensor starts to work and all sensor settings will remain the same as before the luminaire was turned ON/OFF.
	Reset	When the "Reset" button is pressed, the sensor settings will return to the factory default settings: Brightness: 100% / Detection Area: 100% / Hold Time: 5 sec. / Standby Period: Disable / Daylight Threshold: Disable
	Detection Area	The defined area in which movement will trigger the motion sensor. <b>Options: 25% / 50% / 75% / 100%</b>
	Hold Time	The time period the luminaire remains at 100% illumination after no motion is detected. <b>Options: 5 sec. / 30 sec. / 1 min. / 3 min. / 5 min. / 10 min. / 20 min. / 30 min.</b>
	Standby Dimming Level	The level of dimmed low light output after the Hold Time in the long absence of motion. <b>Options: 10% / 20% / 30% / 50%</b>
	Standby Period	The time period the luminaire remains at a low light output level before it completely switches off in the long absence of motion. When set to "Disable" mode, the low light is maintained until motion is detected (Bi-Level). Note: "0 sec." means ON/OFF control. "+∞" means Bi-Level dimming control; the luminaire never turns off. <b>Options: 0 sec. / 10 sec. / 30 sec. / 1 min. / 5 min. / 10 min. / 30 min. / +∞ (Disable)</b>
	Daylight Threshold	The sensor will function whenever the ambient lux level is lower than the selected lux value. When set to "Disable" mode, the sensor will continuously function regardless of the ambient lux level. <b>Options: 2 lux / 10 lux / 30 lux / 50 lux / 80 lux / 120 lux / Disable</b>
	Test Mode	The button "Test (2s)" is used for testing purposes after sensor programming. When the button is pressed, the sensor enters into "Test Mode" and the luminaire will remain ON for 2 seconds.

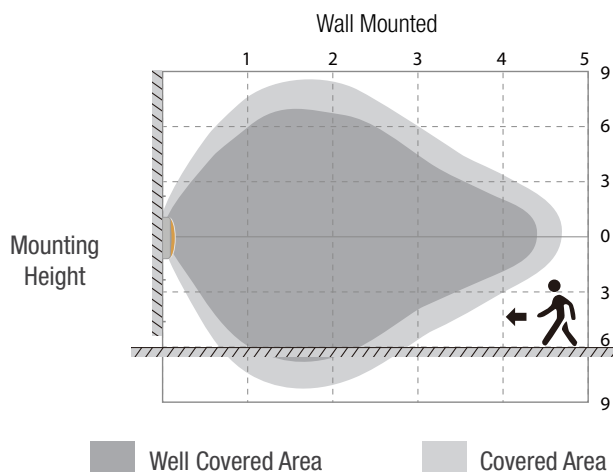
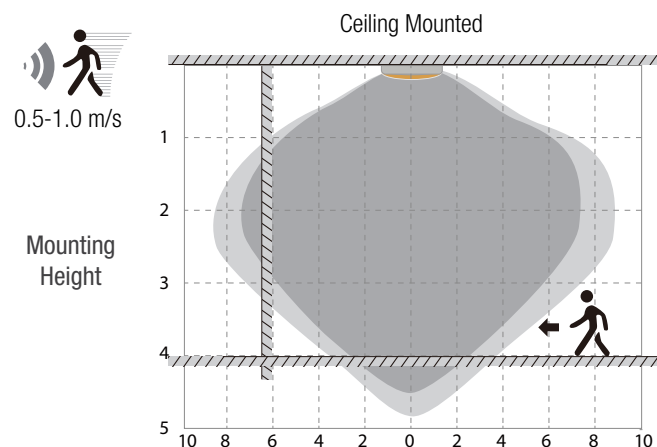
## SENSOR DEFAULT PROGRAMMING

Detection Area	100%
Hold Time	10 min.
Standby Dimming Level	50%
Standby Period	10 min.
Daylight Threshold	Disable

## SENSOR MOUNTING AND DETECTION PATTERN

Mounting Height	14.76 ft (4.5 m) max.
Detection Range	9.84 - 22.96 ft (3 - 7 m)
Detection Angle - Ceiling Mounted	360 °
Detection Angle - Wall Mounted	150 °

## SENSOR DETECTION COVERAGE



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. Please contact your Stanpro customer service representative to confirm inventory levels at time of order.

SENSOR DAISY CHAIN FUNCTION

The L2TRV series can be daisy chained together with L2STR series luminaires. The integrated microwave motion sensor in the L2TRV will also control the L2STR luminaires. They can either be installed in a continuous row or can be placed up to 2 m apart from one another. Refer to the installation guide for proper wiring instructions.

Recommended luminaire pairings:

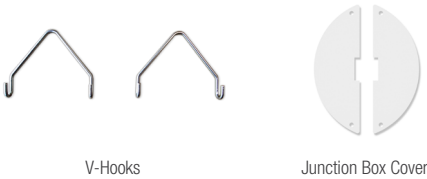
L2TRV Series		L2STR Series		Daisy Chain Maximum
Order code	Model number	Order code	Model number	
69402	L2TRV-48LP45-Q/3C	69392	L2STR-48LP45-Q/3C	10 Luminaires (1 L2TRV + 9 L2STR)

ACCESSORIES (order separately)

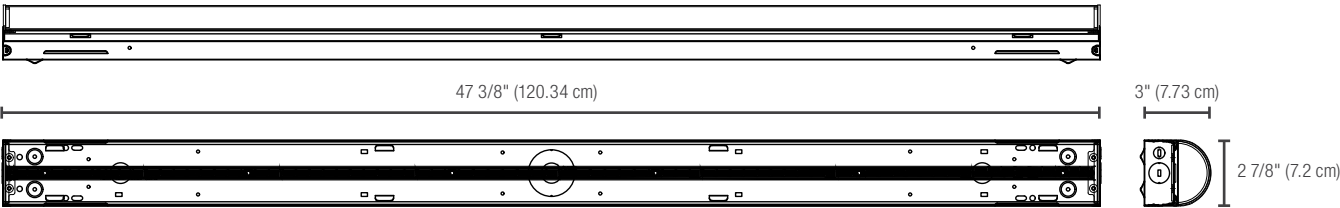
Order code	Type
68676	Suspension kit - 2 chains (1 m)
70218	10' Complete aircraft cable kit with 5-wire power feed and 2 canopies
70282	10' Single side aircraft cable with canopy (non-power feed)
69405	Continuous row mounting connector
69413	Wire guard kit 48"
70166	Reflector wings kit 48"
69399	Remote control for motion sensor <sup>1</sup>
69398	Transparent end caps (set of 2)
69396	Replacement lens 48"

<sup>1</sup>The remote control is required to modify sensor programming. A single remote control can be used to program multiple sensors.

INCLUDED IN THE BOX



DIMENSIONS AND WEIGHT



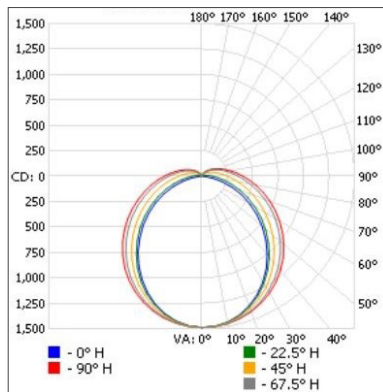
Net weight (lbs)	4.4
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**PHOTOMETRIC DATA<sup>1</sup>**

69402 • L2TRV-48LP45-Q/3C • 34 W • 4 000 K • 5 266.3 lm

**Polar candela distribution**



**Zonal lumen summary**

Zone	Lumens	% Fixture
0-30	1 151.4	21.9
0-40	1 885.2	35.8
0-60	3 371.2	64
60-90	1 365.7	25.9
70-100	966.6	18.4
90-120	422.1	8
0-90	4 736.9	89.9
90-180	529.4	10.1
0-180	5 266.3	100

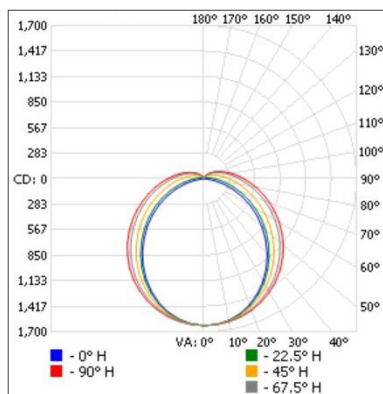
**Illuminance at a distance**

Center beam fc		Beam width	
1.7'	515	4.2'	7.9'
3.3'	137	8.1'	15.3'
5.0'	59.5	12.3'	23.2'
6.7'	33.1	16.5'	31.1'
8.3'	21.6	20.4'	38.5'
10.0'	14.9	24.6'	46.4'

■ Vert. spread: 101.8°  
■ Horiz. spread: 133.4°

69402 • L2TRV-48LP45-Q/3C • 38 W • 4 000 K • 5 771.3 lm

**Polar candela distribution**



**Zonal lumen summary**

Zone	Lumens	% Fixture
0-30	1 261.5	21.9
0-40	2 065.6	35.8
0-60	3 694.1	64
60-90	1 496.3	25.9
70-100	1 058.9	18.3
90-120	462.7	8
0-90	5 190.4	89.9
90-180	580.9	10.1
0-180	5 771.3	100

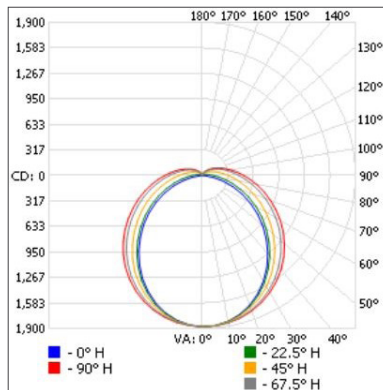
**Illuminance at a distance**

Center beam fc		Beam width	
1.7'	564	4.2'	7.9'
3.3'	150	8.1'	15.3'
5.0'	65.2	12.3'	23.2'
6.7'	36.3	16.5'	31.2'
8.3'	23.7	20.4'	38.6'
10.0'	16.3	24.6'	46.5'

■ Vert. spread: 101.8°  
■ Horiz. spread: 133.4°

69402 • L2TRV-48LP45-Q/3C • 45 W • 4 000 K • 6 655.0 lm

**Polar candela distribution**



**Zonal lumen summary**

Zone	Lumens	% Fixture
0-30	1 452.3	21.8
0-40	2 378.0	35.7
0-60	4 253.5	63.9
60-90	1 725.2	25.9
70-100	1 221.8	18.4
90-120	536.0	8.1
0-90	5 978.7	89.8
90-180	676.3	10.2
0-180	6 655.0	100

**Illuminance at a distance**

Center beam fc		Beam width	
1.7'	649	4.2'	7.9'
3.3'	172	8.1'	15.4'
5.0'	75.1	12.3'	23.3'
6.7'	41.8	16.5'	31.2'
8.3'	27.2	20.5'	38.6'
10.0'	18.8	24.7'	46.6'

■ Vert. spread: 101.9°  
■ Horiz. spread: 133.5°

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

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