STANPRO

Individual Spec Sheet

L2TRV

TRI-LEVEL MOTION SENSOR LED STRIP
3 CCT and 3 Power Selectable

ORDERING INFORMATION

Order code:	69404
Model number:	L2TRV-96LP90-Q/3C
UPC:	069549027121
Case quantity:	1
DLC unique ID:	S-U6ZBXO (DLC Premium) / S-E9LB3W (DLC Standard)

PHYSICAL DATA

Length in. (cm):	94 1/4 (239.34)
Lens material:	Frosted PMMA
Housing material:	24 gauge 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

PERFORMANCE DATA

Watts (W):	65/75/90
Volts (V AC):	120-347
Color temperature (K)[1]:	3 500/4 000/5 000
Lumen output (lm)[2]:	9 750/11 100/12 780
Efficacy (lm/W):	135
CRI:	80+
Life L70 (h)[3]:	156 000
Tested LM-80 (h)[3]:	10 000
Power factor:	0.90
THD (%):	10
Frequency (Hz):	50/60
Surge protection (kV):	2.5
Input current (A):	0.54-0.19/0.63-0.22 /0.75-0.26
Operating temp. range:	-20 °C to 50 °C (-4 °F to 122 °F)

[1] Typical color temperature range: +/- 5 %.
[2] Lumen values are based on 4 000 K default programming. Please refer to the LUMEN SPECIFICATION TABLE for more details on other color temperatures.
[3] Life hours are derived from IESNA LM80-08 testing report and projected per IESNA TM-21-11 extrapolations.

LUMEN SPECIFICATION TABLE

Watts	3 500 K		4 000 K		5 000 K	
(W)	Lumen output (lm)	Efficacy (lm/W)	Lumen output (lm)	Efficacy (lm/W)	Lumen output (lm)	Efficacy (lm/W)
65	9 100	140	9 750	150	9 230	142
75	10 350	138	11 100	148	10 500	140
90	12 150	135	12 780	142	12 060	134

DEFAULT PROGRAMMING
75 W / 4 000 K

3 CCT TCC
3 500/4 000/5 000 K

power *selectable*

5 yrs **warranty**

quick *ship*

LED *fixture*

damp *location*

ICES *005*

UL CERTIFIED FC

DLC LISTED PREMIUM DLC LISTED

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.

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L2TRV - 69404 • Rev. 2023-11-9

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SENSOR PROGRAMMING AND SETTINGS OPTIONS
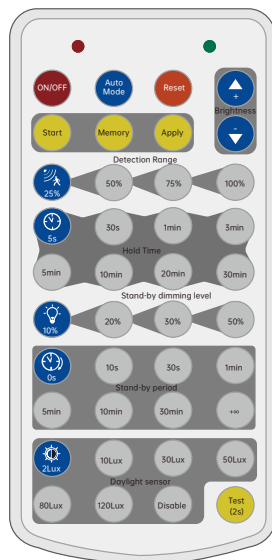
Button	Function	Details
ON/OFF	ON/OFF	1. The "ON/OFF" button functions only to turn the luminaire ON or OFF. 2. If this button is pressed to turn off the luminaire before a short-circuit, the luminaire will remain turned off once the power is restored.
Auto Mode	Auto Mode	When the "Auto Mode" button is pressed, the sensor starts to work and all sensor settings will remain the same as before the luminaire was turned ON/OFF.
Reset	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
(motion)	Detection Area	The defined area in which movement will trigger the motion sensor. **Options: 25% / 50% / 75% / 100%**
(clock)	Hold Time	The time period the luminaire remains at 100% illumination after no motion is detected. **Options: 5 sec. / 30 sec. / 1 min. / 3 min. / 5 min. / 10 min. / 20 min. / 30 min.**
(bulb)	Standby Dimming Level	The level of dimmed low light output after the Hold Time in the long absence of motion. **Options: 10% / 20% / 30% / 50%**
(clock)	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. **Options: 0 sec. / 10 sec. / 30 sec. / 1 min. / 5 min. / 10 min. / 30 min. / +∞ (Disable)**
(daylight)	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 continously function regardless of the ambient lux level. **Options: 2 lux / 10 lux / 30 lux / 50 lux / 80 lux / 120 lux / Disable**
Test (2s)	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.

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.
- 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.
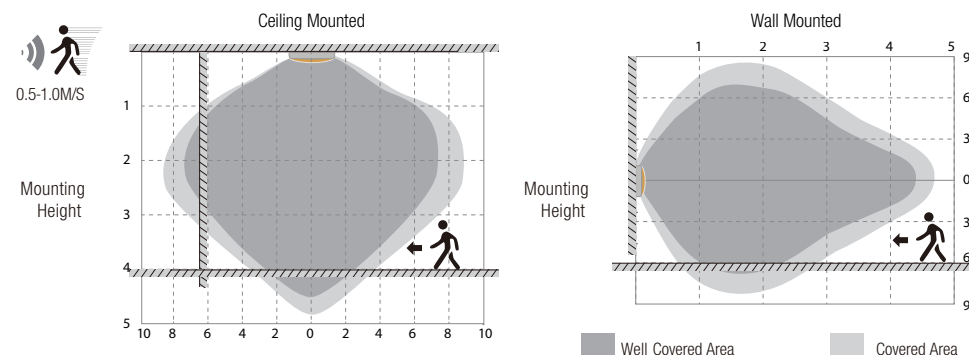
SENSOR DEFAULT PROGRAMMING

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

Ceiling Mounted

Wall Mounted

0.5-1.0M/S

Mounting Height

Well Covered Area   Covered Area

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	
69404	L2TRV-96LP90-Q/3C	**69394**	L2STR-96LP90-Q/3C	5 Luminaires (1 L2TRV + 4 L2STR)

ACCESSORIES (order separately)

| Order code	Type
68676	Suspension kit - 2 chains (1 m)
69082	10' Aviation cable kit with canopy, power cord & dimming wires
69405	Continuous row mounting connector
69399	Remote control for motion sensor
69398	Transparent end caps (set of 2)
69413	Wire guard kit 48"[1]
69397	Replacement lens 96"

[1] For 96" luminaires, order 2 units

DIMENSIONS AND WEIGHT

94 1/4" (239.34 cm)

3" (7.70 cm)

2 7/8" (7.20 cm)
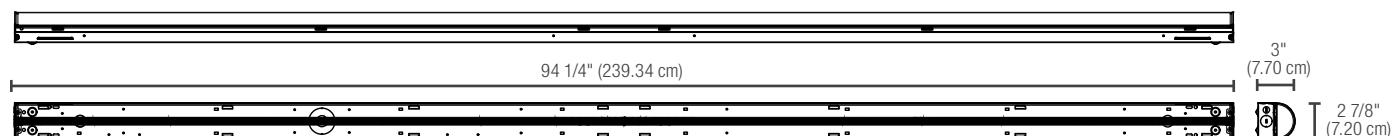
Net weight (lbs)	8.5

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PHOTOMETRIC DATA[1]

69404 • L2TRV-96LP90-Q/3C • 65 W • 4 000 K • 9 743.1 lm

Polar candela distribution
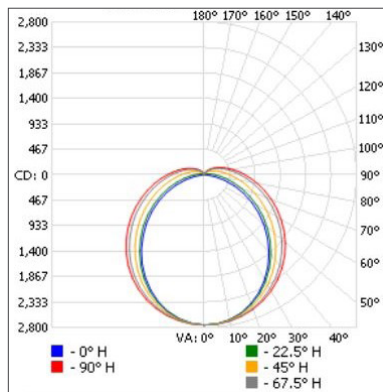
Zonal lumen summary

Zone	Lumens	% Fixture
0-30	2 130.1	21.9%
0-40	3 487.7	35.8%
0-60	6 237.0	64%
60-90	2 526.7	25.9%
70-100	1 788.3	18.4%
90-120	780.9	8%
0-90	8 763.7	89.9%
90-180	979.4	10.1%
0-180	9 743.1	100%

Illuminance at a distance

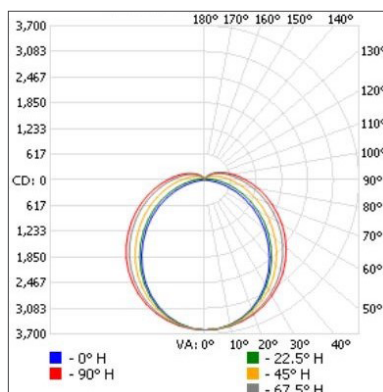|	Center beam fc	Beam width	
1.7'	952	4.2'	7.9'
3.3'	253	8.1'	15.3'
5.0'	110	12.3'	23.2'
6.7'	61.3	16.5'	31.1'
8.3'	40.0	20.4'	38.5'
10.0'	27.5	24.6'	46.4'

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

69404 • L2TRV-96LP90-Q/3C • 75 W • 4 000 K • 11 091.0 lm

Polar candela distribution
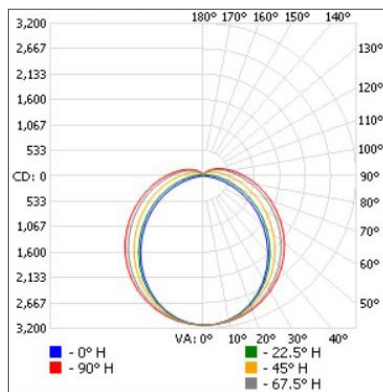
Zonal lumen summary

Zone	Lumens	% Fixture
0-30	2 424.3	21.9%
0-40	3 969.6	35.8%
0-60	7 099.2	64%
60-90	2 875.5	25.9%
70-100	2 034.9	18.3%
90-120	889.2	8%
0-90	9 974.7	89.9%
90-180	1 116.3	10.1%
0-180	11 091.0	100%

Illuminance at a distance

	Center beam fc	Beam width	
1.7'	1 084	4.2'	7.9'
3.3'	288	8.1'	15.3'
5.0'	125	12.3'	23.2'
6.7'	69.8	16.5'	31.2'
8.3'	45.5	20.4'	38.6'
10.0'	31.3	24.6'	46.5'

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

69404 • L2TRV-96LP90-Q/3C • 90 W • 4 000 K • 12 770.5 lm

Polar candela distribution

Zonal lumen summary

Zone	Lumens	% Fixture
0-30	2 786.8	21.8%
0-40	4 563.1	35.7%
0-60	8 162.1	63.9%
60-90	3 310.5	25.9%
70-100	2 344.6	18.4%
90-120	1 028.6	8.1%
0-90	11 472.6	89.8%
90-180	1 297.9	10.2%
0-180	12 770.5	100%

Illuminance at a distance

	Center beam fc	Beam width	
1.7'	1 246	4.2'	7.9'
3.3'	331	8.1'	15.4'
5.0'	144	12.3'	23.3'
6.7'	80.2	16.5'	31.2'
8.3'	52.3	20.5'	38.6'
10.0'	36.0	24.7'	46.6'

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

[1] Complete IES files available on our website.

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