

Project: _____ Type: _____
 Drawn by: _____ Catalogue #: _____ Date: _____

Individual Spec Sheet

L2TRV

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

ORDERING INFORMATION

Order code: 70199
Model number: L2TRV-48LP45-Q/3C/PIR
UPC: 069549032590
Case quantity: 6
DLC unique ID: S-VV9R7S¹ (DLC Premium) / S-NG0NSR² & S-YJLWF³ (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 PIR motion sensor (remote control sold separately)

PERFORMANCE DATA

Watts (W): 34/38/45
Volts (V AC): 120-347
Color temperature (K)¹: 3 500/4 000/5 000
Lumen output (lm)²: 5 270/5 776/6 660
Efficacy (lm/W): 138
CRI: 80+
Life L70 (hrs)³: 156 000
Tested LM-80 (hrs)³: 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)

¹ Typical colour 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 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

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.

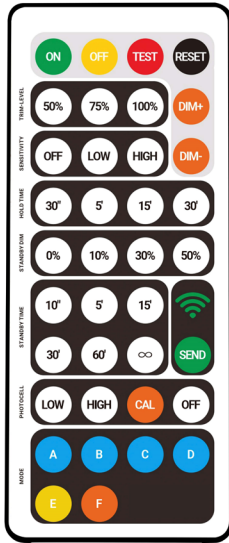
¹ Stairwell And Passageway Luminaires

² Direct Linear Ambient Luminaires

³ Low-Bay Luminaires for Commercial and Industrial Buildings

SENSOR PROGRAMMING AND SETTINGS OPTIONS

NOTE: A remote control (sold separately - order code: 69080) is required to modify sensor programming. A single remote control can be used to program multiple sensors.



Button	Function	Details
	ON	Turns ON the luminaire.
	OFF	Turns OFF the luminaire.
	Test	To test for the proper functioning of the sensor. TEST Mode will last 5 minutes and then return to previous settings. Test Mode Settings: Hold Time = 2 sec. / Standby Dimming Level = 50% / Standby Time = 2 sec.
	Reset	Resets the sensor to the following settings: Trim-Level = 100% / Sensitivity = HIGH / Hold Time = 5 min. / Standby Dimming Level = 30% / Standby Time = 60 min. / Photocell = OFF
	Dim +/-	Manually dim the light output of the luminaire up or down. For smooth and continuous dimming, hold down either button.
	Trim-Level	Set the luminaire's maximum level of light output. Options: 50% / 75% / 100%
	Sensitivity	The defined level of sensitivity for the sensor to detect motion (Detection Area). Note: "OFF" = Motion sensing function of the sensor is disabled. Options: OFF / LOW (50%) / HIGH (100%)
	Hold Time	The time period in which the luminaire remains at 100% illumination after no motion is detected. Options: 30 sec. / 5 min. / 15 min. / 30 min.
	Standby Dimming Level	The level of dimmed low light output after the HOLD TIME in the long absence of motion. Note: "0%" = ON/OFF control. Options: 0% / 10% / 30% / 50%
	Standby Time	The time period the luminaire remains at a low light output level before it completely turns off, in the long absence of motion. When set to "∞" mode, the low light is maintained until motion is detected (Bi-Level). Note: "∞" = Bi-Level Dimming control, the luminaire never turns off. Options: 10 sec. / 5 min. / 15 min. / 30 min. / 60 min. / ∞
	Photocell	The Photocell will turn the luminaire ON or OFF, depending on the ambient light levels. When set to "OFF" mode, the Photocell is disabled. Note: "CAL" = The Photocell will measure the current ambient light level and program it to be the light level in which the luminaire is turned ON. Options: LOW (3 fc) / HIGH (15 fc) / CAL / OFF (Disable)
	Mode	Four (4) programmable modes in which to save settings.
		Manual Mode: Allows for visual adjustment to choose the desired dimming level.
		Daylight Harvesting Mode: Allows for continuous dimming to maintain target light level.
	Send	Send settings to the sensor.

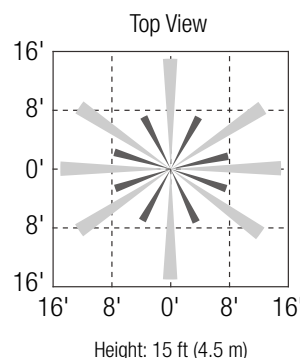
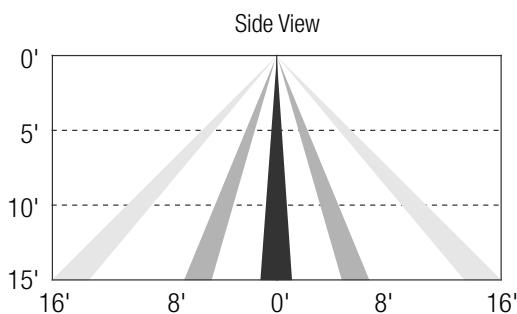
SENSOR DEFAULT PROGRAMMING

Trim-Level	100%
Sensitivity	High
Hold Time	15 min.
Standby Dimming Level	50%
Standby Time	15 min.
Photocell	OFF

SENSOR MOUNTING AND DETECTION PATTERN

Mounting Height	15 ft (4.5 m) max.
Detection Range	32 ft (9.75 m) max.

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 the L2STR series luminaires. The integrated PIR motion sensor in the L2TRV will also control the L2STR luminaires. They can either be installed in a continuous row or they 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	
70199	L2TRV-48LP45-Q/3C/PIR	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" ¹
70166	Reflector wings kit 48"
69080	Remote control for motion sensor ²
69624	Replacement lens 48"

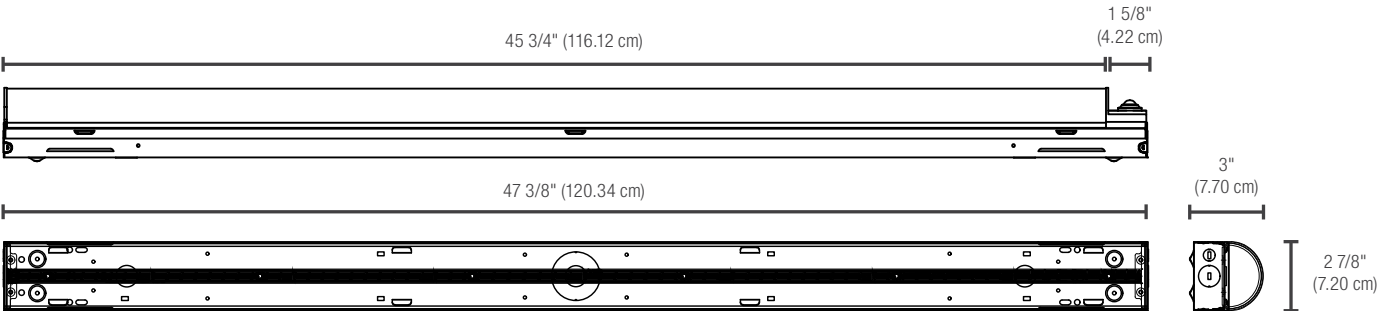
¹ The wire guard will reduce the sensor sensitivity.

² 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



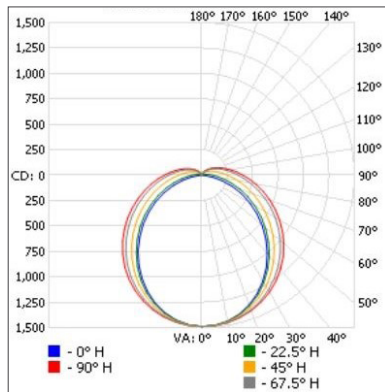
Net weight (lbs)	4.4
------------------	-----

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.

PHOTOMETRIC DATA¹

70199 • L2TRV-48LP45-Q/3C/PIR • 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

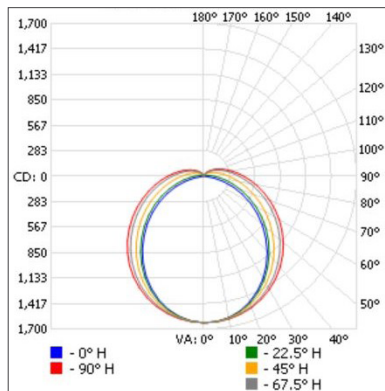
Illuminance at a distance

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°

70199 • L2TRV-48LP45-Q/3C/PIR • 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

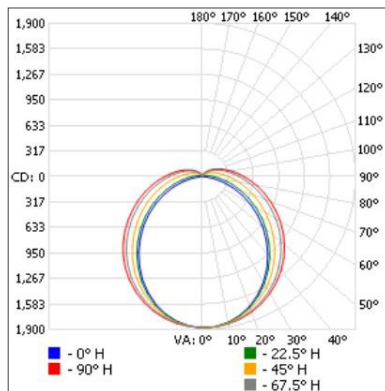
Illuminance at a distance

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°

70199 • L2TRV-48LP45-Q/3C/PIR • 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°

¹ Complete IES files available on our website.

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.