

Individual Spec Sheet

L2TLV

TRI-LEVEL LED STRIP WITH LENS

3 CCT and 3 Power Selectable

Integrated Tri-Level Microwave Motion Sensor

ORDERING INFORMATION

Order code: 68545
Model number: L2TLV-96LP90-Q/3C
UPC: 069549017184
Case quantity: 1
DLC unique ID: PL00HLOJS4M0

PHYSICAL DATA

Length in. (cm): 94 1/8 (239.20)
Lens material: Frosted PMMA
Housing material: 24 gauge white powder painted steel
Mounting: Surface, suspended or row mounted (V-Hooks included in the box)
Sensor: Integrated tri-level microwave (high frequency) motion sensor

PERFORMANCE DATA

Watts (W): 65/75/90
Volts (VAC): 120-347
Color temperature (K)¹: 3 500/4 000/5 000
Lumen output (lm)²: 9 230/10 425/12 240
Efficiency (lm/W): 135
CRI: 80+
Life L70 (h)³: 190 000
Tested LM-80 (h)³: 9 000
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 colour temperature range: +/- 5 %

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

³ Life hours are derived from IESNA LM80-08 testing report and projected per IESNA TM-21-11 extrapolations

LUMEN SPECIFICATION TABLE

Watts (W)	3 500 K		4 000 K		5 000 K	
	Lumen output (lm)	Efficiency (lm/W)	Lumen output (lm)	Efficiency (lm/W)	Lumen output (lm)	Efficiency (lm/W)
65	9 165	135	9 230	142	9 295	143
75	10 350	138	10 425	139	10 500	140
90	12 150	135	12 240	136	12 330	137

DEFAULT PROGRAMMING
75 W / 4 000 K

COMPATIBLE ACCESSORIES

Order code	Type
68676	Suspension kit - 2 chains (1 m)
68677	Continuous row mounting connector
68680	Replacement lens 96"
68857	Wireguard kit 96"
68681	Remote control for motion sensor

This lighting equipment meets requirements of ICES-005 issue 5 for class A products. 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.

SENSOR ON-OFF DIMMING SETTING OPTIONS

DETECTION AREA

The detection area can be reduced by selecting the combination on the DIP switches to fit precisely each application.
Options: 100% - 75% - 50% - 25%

	1	2
100%	●	●
75%	●	○
50%	○	●
25%	○	○

HOLD TIME

The time period the luminaire remains at 100% illumination after no motion is detected.
Options: 8s - 30s - 1 min - 5 min - 10 min - 15 min - 30 min

	3	4	5
8 s	●	●	●
30 s	●	○	●
1 min	○	●	●
5 min	●	○	○
10 min	○	●	○
15 min	○	○	●
30 min	○	○	○

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).
Options: 0s - 1 min - 3 min - 5 min - 10 min - 30 min - +∞ (DISABLE)

	6	7	8
0 s	●	●	●
1 min	●	○	●
3 min	○	●	●
5 min	●	○	○
10 min	○	●	○
30 min	○	○	●
+ ∞	○	○	○

Note: "0s" means on/off control;

"+∞" means bi-level dimming control, luminaire never switches off when daylight sensor is disabled.

STANDBY DIMMING LEVEL

The level of dimmed low light output after the hold time in the long absence of motion.
Options: 10% - 20% - 30% - 40%

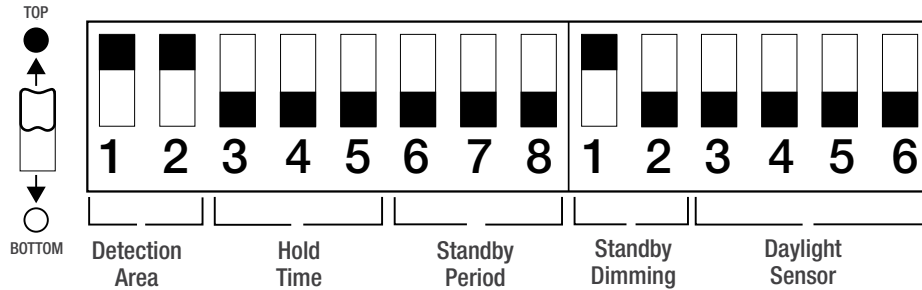
	1	2
10%	●	●
20%	●	○
30%	○	●
40%	○	○

DAYLIGHT SENSOR

The daylight threshold can be captured and configured on the DIP switches to fit a particular application.
Options: 5 lux - 15 lux - 30 lux - 50 lux - 100 lux - 150 lux - +∞ (DISABLE)

	3	4	5	6
5 lux	●	●	●	●
15 lux	○	●	●	●
30 lux	●	○	●	●
50 lux	○	○	●	●
100 lux	●	●	○	●
150 lux	●	●	●	○
+ ∞	○	○	○	○

PROGRAMMING SETTINGS



DEFAULT PROGRAMMING

Detection Area: 100%
Hold Time: 30 min
Standby Period: +∞
Standby Dimming: 20%
Daylight Sensor: Disable

DETECTION PATTERN

Detection Distance	12 m x 8 m (Max.)
Detection Angle – Wall Mounting	150°
Detection Angle – Ceiling Mounting	360°

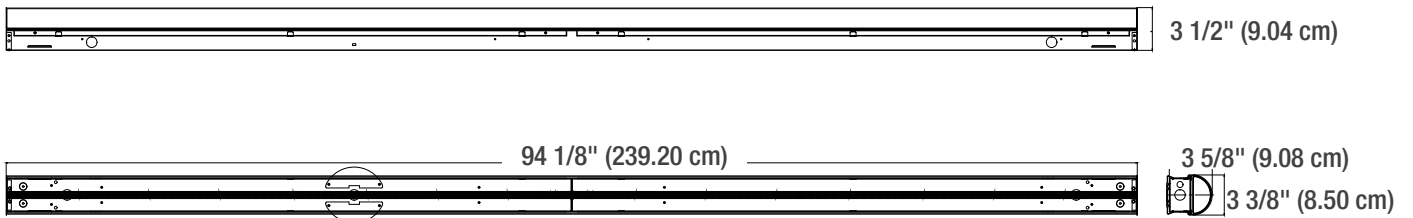
CONTINUOUS ROW MOUNTING FEATURE

The L2TLV series luminaires can be continuously row mounted (daisy-chained) together with L2STN series luminaires. The integrated microwave motion sensor in the L2TLV luminaires will also control the L2STN luminaires. Refer to the installation guide for proper wiring instructions.

Recommended luminaire pairings:

L2TLV Series		L2STN Series		Watts (W)	Continuous Row Mounting Maximum	
Order code	Model number	Order code	Model number		120 V	347 V
68545	L2TLV-96LP90-Q/3C	68541	L2STN-96LP90-Q/3C	65	6 Luminaires (1 L2TLV + 5 L2STN)	17 Luminaires (1 L2TLV + 16 L2STN)
				75	5 Luminaires (1 L2TLV + 4 L2STN)	15 Luminaires (1 L2TLV + 14 L2STN)
				90	5 Luminaires (1 L2TLV + 4 L2STN)	12 Luminaires (1 L2TLV + 11 L2STN)

DIMENSIONS



Qty	Description	Price

I accept the specifications of the luminaire configuration mentioned above.

Name: _____
 Company: _____
 Signature: _____ Date: _____

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