

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

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

## Individual Spec Sheet

# L2TLV

## TRI-LEVEL LED STRIP WITH LENS

Integrated Tri-Level Microwave Motion Sensor

### ORDERING INFORMATION

**Order code:** 68544  
**Model number:** L2TLV-96LS1-Q/40K  
**UPC:** 069549017177  
**Case quantity:** 1  
**DLC unique ID:** PLVWQ8IJ7RRZ

### 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  
**Volts (VAC):** 120-347  
**Color temperature (K):** 4 000  
**Lumen output (lm):** 8 645  
**Efficiency (lm/W):** 133  
**CRI:** 80+  
**Life L70 (h):** 190 000  
**Tested LM-80 (h):** 9 000  
**Power factor:** 0.90  
**THD (%):** 10  
**Frequency (Hz):** 50/60  
**Surge protection (kV):** 2.5  
**Input current (A):** 0.54-0.19  
**Operating temp. range:** -20°C to 50°C (-4°F to 122°F)

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

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

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

### 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



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).

**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%

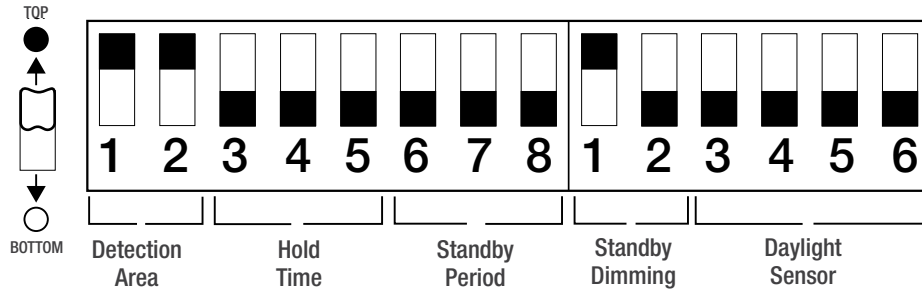
	1	2
10%	●	●
20%	●	○
30%	○	●
40%	○	○

**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°

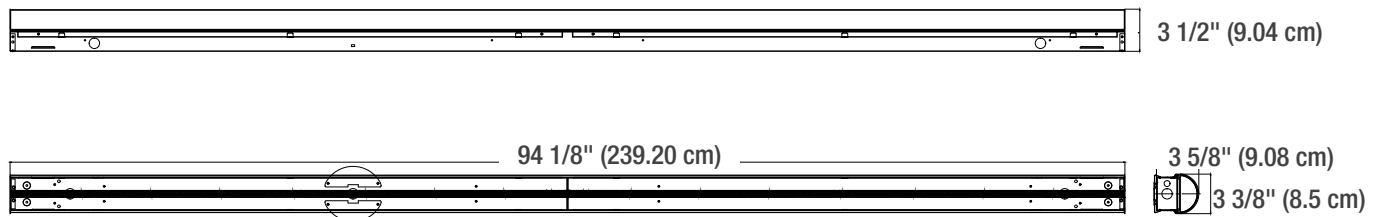
**CONTINUOUS ROW MOUNTING FEATURE**

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
68544	L2TLV-96LS1-Q/40K	68128	L2STN-96LS1-Q/40K	65	6 Luminaires (1 L2TLV + 5 L2STN)	17 Luminaires (1 L2TLV + 16 L2STN)

**DIMENSIONS**



Qty	Description	Price

I accept the specifications of the luminaire configuration mentioned above.

Name: \_\_\_\_\_  
 Company: \_\_\_\_\_  
 Signature: \_\_\_\_\_ Date: \_\_\_\_\_

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.