

## Individual Spec Sheet

# L2TLV

## TRI-LEVEL MOTION SENSOR LED STRIP

3 CCT and 3 Power Selectable

### ORDERING INFORMATION

**Order code:** 68543  
**Model number:** L2TLV-48LP40-Q/3C  
**UPC:** 069549017160  
**Case quantity:** 6  
**DLC unique ID:** IN PROCESS (DLC Premium) / PLCJNF01TI90 (DLC Standard)

### PHYSICAL DATA

**Length in. (cm):** 47 3/8 (120.20)  
**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):** 18/30/40  
**Volts (VAC):** 120-347  
**Color temperature (K)<sup>1</sup>:** 3 500/4 000/5 000  
**Lumen output (lm)<sup>2</sup>:** 2 610/4 170/5 320  
**Efficiency (lm/W):** 132  
**CRI:** 80+  
**Life L70 (h)<sup>3</sup>:** 190 000  
**Tested LM-80 (h)<sup>3</sup>:** 9 000  
**Power factor:** 0.90  
**THD (%):** 10  
**Frequency (Hz):** 50/60  
**Surge protection (kV):** 2.5  
**Input current (A):** 0.15-0.05/0.25-0.09/0.33-0.12  
**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 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 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)
18	2 592	144	2 610	145	2 628	146
30	4 140	138	4 170	139	4 200	140
40	5 280	132	5 320	133	5 360	134

DEFAULT PROGRAMMING  
40 W / 4 000 K

### ACCESSORIES (order separately)

Order code	Type
68676	Suspension kit - 2 chains (1 m)
68677	Continuous row mounting connector
68679	Replacement lens 48"
68622	Wireguard kit 48"
68681	Remote control for motion sensor

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.



LED fixture



damp location



ICES 005



<sup>1</sup> 5 year warranty for the LINK module.

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.

DIP Switch Options: 100% - 75% - 50% - 25%

Remote Control 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.

DIP Switch Options: 8s - 30s - 1 min - 5 min - 10 min - 15 min - 30 min

Remote Control Options: 8s - 1 min - 5 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).

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

Remote Control Options: 0s - 1 min - 5 min - 30 min - +∞ (DISABLE)

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

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

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

**STANDBY DIMMING LEVEL**

The level of dimmed low light output after the hold time in the long absence of motion.

DIP Switch Options: 10% - 20% - 30% - 40%

Remote Control Options: 10% - 20% - 30% - 40% - 50%

	1	2
10%	●	●
20%	●	○
30%	○	●
40%	○	○

**DAYLIGHT SENSOR**

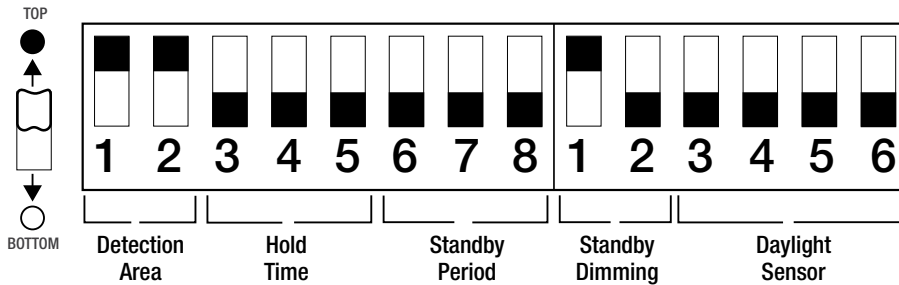
The daylight threshold can be captured and configured on the DIP switches to fit a particular application.

DIP Switch Options: 5 lux - 15 lux - 30 lux - 50 lux - 100 lux - 150 lux - +∞ (DISABLE)

Remote Control Options: 5 lux - 15 lux - 50 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°

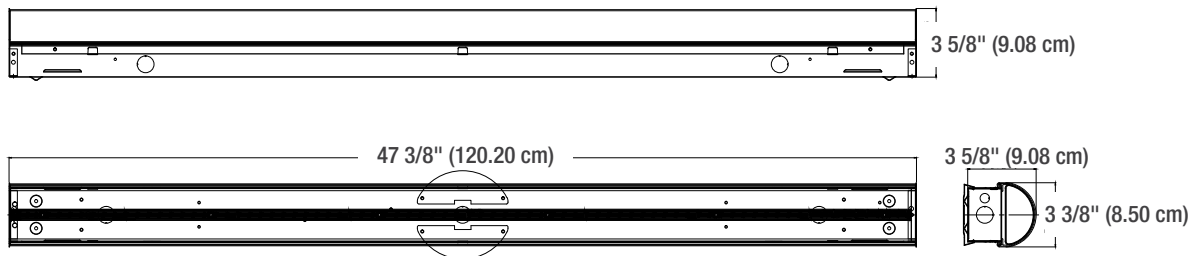
**CONTINUOUS ROW MOUNTING FEATURE**

The L2TLV series luminaires can be continuously row mounted (daisy-chained) together with a 4ft L2STN luminaire to create an 8ft or longer run. The integrated microwave motion sensor in the L2TLV luminaire will also control the L2STN luminaire. 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
68543	L2TLV-48LP40-Q/3C	68540	L2STN-48LP40-Q/3C	18	24 Luminaires (1 L2TLV + 23 L2STN)	66 Luminaires (1 L2TLV + 65 L2STN)
				30	14 Luminaires (1 L2TLV + 13 L2STN)	37 Luminaires (1 L2TLV + 36 L2STN)
				40	11 Luminaires (1 L2TLV + 10 L2STN)	27 Luminaires (1 L2TLV + 26 L2STN)

**DIMENSIONS**



Qty	Description	Price

I accept the specifications of the luminaire configuration mentioned above.

Name: \_\_\_\_\_

Company: \_\_\_\_\_

Signature: \_\_\_\_\_

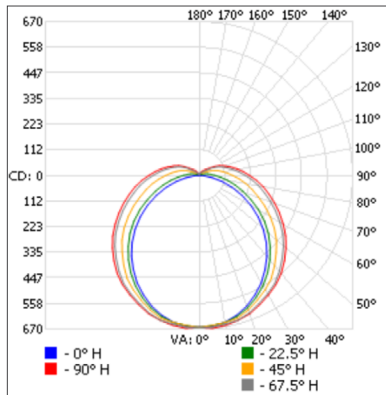
Date: \_\_\_\_\_

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.

**PHOTOMETRIC DATA<sup>1</sup>**

68543 • L2TLV-48LP40-Q/3C • 18 W • 4 000 K • 2 608.3 lm

**Polar candela distribution**



**Zonal lumen summary**

Zone	Lumens	% Fixture
0-30	521.4	20%
0-40	862.6	33.1%
0-60	1 581.3	60.1%
60-90	720.6	27.6%
70-100	538.3	20.6%
90-120	253.1	9.7%
0-90	2 301.8	88.3%
90-180	306.4	11.7%
0-180	2 608.3	100%

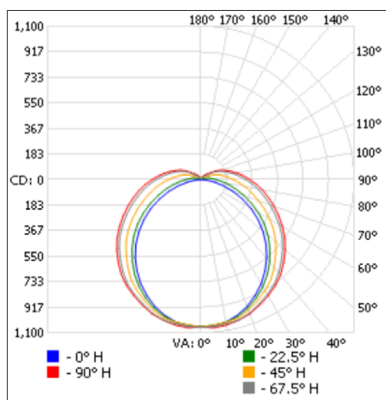
**Illuminance at a distance**

Center beam fc	Beam width
1.7'	4.6' 10.6'
3.3'	9.0' 20.6'
5.0'	13.6' 31.2'
6.7'	18.2' 41.8'
8.3'	22.6' 51.7'
10.0'	27.2' 62.3'

Vert. spread: 107.4°  
Horiz. spread: 144.4°

68543 • L2TLV-48LP40-Q/3C • 30 W • 4 000 K • 4 167.3 lm

**Polar candela distribution**



**Zonal lumen summary**

Zone	Lumens	% Fixture
0-30	833.1	20%
0-40	1 378.3	33.1%
0-60	2 526.4	60.1%
60-90	1 151.3	27.6%
70-100	860.0	20.6%
90-120	404.3	9.7%
0-90	3 677.6	88.3%
90-180	489.6	11.7%
0-180	4 167.3	100%

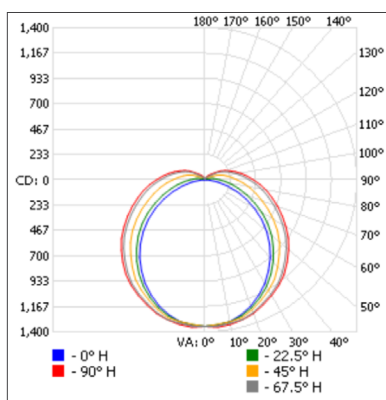
**Illuminance at a distance**

Center beam fc	Beam width
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3.3'	9.0' 20.6'
5.0'	13.6' 31.2'
6.7'	18.2' 41.8'
8.3'	22.6' 51.7'
10.0'	27.2' 62.3'

Vert. spread: 107.4°  
Horiz. spread: 144.4°

68543 • L2TLV-48LP40-Q/3C • 40 W • 4 000 K • 5 316.5 lm

**Polar candela distribution**



**Zonal lumen summary**

Zone	Lumens	% Fixture
0-30	1 062.9	20%
0-40	1 758.3	33.1%
0-60	3 223.1	60.1%
60-90	1 468.8	27.6%
70-100	1 097.2	20.6%
90-120	515.8	9.7%
0-90	4 691.9	88.3%
90-180	624.6	11.7%
0-180	5 316.5	100%

**Illuminance at a distance**

Center beam fc	Beam width
1.7'	4.6' 10.6'
3.3'	9.0' 20.6'
5.0'	13.6' 31.2'
6.7'	18.2' 41.8'
8.3'	22.6' 51.7'
10.0'	27.2' 62.3'

Vert. spread: 107.4°  
Horiz. spread: 144.4°

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

Qty	Description	Price

I accept the specifications of the luminaire configuration mentioned above.

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

Date: \_\_\_\_\_

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