

## Products

Option	Voltage	THE EDGE® Canopy	THE EDGE® Area			THE EDGE® Round Area	THE EDGE® Security	THE EDGE® Parking	THE EDGE® Pathway	LEDway®
			DA, DL, AA Mounts	R3, R4 Mounts	SA Mount					
HL <sup>3</sup>	120 – 277	40 – 120 LEDs	20 – 120 LEDs	40 – 120 LEDs	N/A	40 – 120 LEDs	N/A	40 – 100 LEDs	Yes, N/A on P0 Mount	20 – 120 Leds
	347 – 480	40 – 120 LEDs	40 – 120 LEDs	40 – 120 LEDs	N/A	N/A	N/A	N/A	Yes, N/A on P0 Mount	N/A
TL	120 – 277	40 – 100 LEDs	20 – 120 LEDs	40 – 100 LEDs	20 – 60 LEDs	40 – 120 LEDs <sup>1,2</sup>	N/A	40 – 100 LEDs	Yes, N/A on P0 Mount <sup>1,2</sup>	20 – 120 Leds
	347 – 480	N/A	40 – 120 LEDs	N/A	N/A	N/A	N/A	N/A	Yes, N/A on P0 or P1 Mounts <sup>1,2</sup>	N/A
TL1	120 – 277	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	20 – 100 Leds
	347 – 480	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
TL2	120 – 277	40 – 120 LEDs	20 – 240 LEDs	40 – 120 LEDs	20 – 60 LEDs	40 – 120 LEDs <sup>1,2</sup>	20 – 100 LEDs	40 – 100 LEDs	Yes, N/A on P0 Mount <sup>1,2</sup>	20 – 120 Leds
	347 – 480	40 – 120 LEDs	20 – 240 LEDs	40 – 120 LEDs	N/A	40 – 120 LEDs <sup>1,2</sup>	N/A	N/A	Yes, N/A on P0 or P1 Mounts <sup>1,2</sup>	N/A
TL3	120 – 277	40 – 100 LEDs	20 – 120 LEDs	40 – 100 LEDs	20 – 60 LEDs	40 – 120 LEDs <sup>1,2</sup>	N/A	40 – 100 LEDs	Yes, N/A on P0 Mount <sup>1,2</sup>	20 – 120 Leds
	347 – 480	N/A	40 – 120 LEDs	N/A	N/A	N/A	N/A	N/A	Yes, N/A on P0 or P1 Mounts <sup>1,2</sup>	N/A
TL4	120 – 277	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	20 – 100 Leds
	347 – 480	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

<sup>1</sup> Round area spider mount maximum pole height is 10'.

<sup>2</sup> All round area and pathway fixtures equipped with microwave sensor are 120/277VAC.

<sup>3</sup> See HL option drive current chart.

<sup>4</sup> 120 – 240V is required only for two light bars.

## Additional Options Available with Multi-Level

Option	Voltage	THE EDGE® Canopy	THE EDGE® Area			THE EDGE® Round Area	THE EDGE® Security	THE EDGE® Parking	THE EDGE® Pathway	LEDway®
			DA, DL, AA Mounts	R3, R4 Mounts	SA Mount					
HL	120 – 277	F	F	F	N/A	F	N/A	F	F, N/A on P0 Mount	F
	347 – 480	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
TL	120 – 277	F, P	F, P, R <sup>5</sup>	F, P	N/A	F	N/A	F	F, N/A on P0 Mount	F, R
	347 – 480	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
TL1	120 – 277	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	F, R
	347 – 480	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
TL2	120 – 277	F	F	F	N/A	F	F	F	F, N/A on P0 Mount	F, R
	347 – 480	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
TL3	120 – 277	F	F	F	N/A	F	N/A	F	F, N/A on P0 Mount	F, R
	347 – 480	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
TL4	120 – 277	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	F, R
	347 – 480	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

<sup>5</sup> Five light bar maximum. Sensor moves to side casting.

NOTES: F–Fuse; P–Photocell; R–NEMA Photocell Receptacle. If fixture is equipped with photocell, fixture is wired as off, low mode and high mode.

Drive Current (mA)	Lumen Multiplier	Power Multiplier (W)	L <sub>70</sub> Life Hours @ 25° C (77° F)	50K Hours Lumen Maintenance Level @ 25° C (77° F)
<b>THE EDGE®</b>				
175	0.61	0.51	>150,000	93.3%
350	1.00	1.00	100,000	82.4%
525	1.35	1.48	55,000	72.7%
<b>LEDway™</b>				
175	0.35	0.45	>150,000	96.3%
350	0.67	0.74	130,000	86.2%
525	1.00	1.00	75,000	78.5%
700	1.34	1.24	50,000	70.0%

\* Lumen and power multipliers need not be applied to existing specification sheet data.

## Multi-Level Options

Option	Drive Current (mA)	Sensor Included
HL	175/350/525	No
TL	175/525	Yes
TL1	350/700	Yes
TL2	0/350	Yes
TL3	0/525	Yes
TL4	0/700	Yes

## HL Option Drive Current Configurations

Leads		Drive Current Output
175mA	350mA	
ON	OFF	175
OFF	ON	350
ON	ON	525



## General Description

THE EDGE® series multi-level options allow multiple operating drive currents for high and low modes. These drive currents are conveniently selected to balance LED life, lumen output and energy savings. Multi-level options are designed to have integrated and remotely located sensors. Multi-level function is designed with all LEDs operating at the same current for maximum and uniform LED life.

The recommended combination (175/525mA drive currents) provides approximately 45% of the delivered lumens while consuming only 33% of the energy in low (175mA) versus high (525mA) mode. Assuming an 80% vacancy rate in a space it also has a similar life expectancy to that of our standard 350mA product. The result is a system that provides energy savings and/or a lower initial cost without compromising quality or performance.

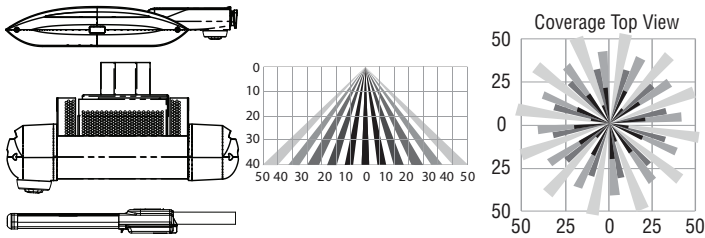
The HL option will be wired such that five power leads will exit the fixture: two hot (line 1 and line 2), two common (N1 and N2) and one ground. The two hot leads will be labeled identifying the drive current, 175mA (line 1) and 350mA (line 2). Fixtures are factory set for phase to neutral systems and can be field adjusted to accommodate phase to phase systems. See chart for HL option drive currents for high low configurations. All TL options will have three power leads: hot, common and ground.

The occupancy sensor used in THE EDGE Area, THE EDGE Canopy, LEDway, THE EDGE Parking and THE EDGE Security fixtures use passive infrared technology that reacts to changes in infrared energy (moving heat) within the coverage area. During operation if motion is detected within the sensor's coverage area, the relay in the sensor closes and lighting loads are automatically turned on. When motion is no longer detected for the duration of the time setting, the relay opens and the lighting load is turned off, or set to low level depending on the TL option. The occupancy sensor has customer adjustable light level and time delay features. Light levels can be adjusted from <10FC to >120FC. This feature is factory set at 20FC. The light level feature will only prevent the lights from turning on or going to high mode (depending on the two level option selected) when ambient light exceeds selected level. The light level feature does not switch the fixture.

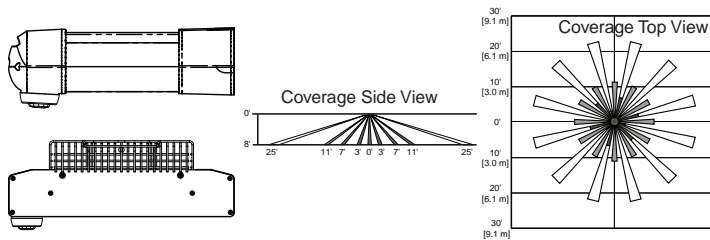
Time delay can be adjusted from 30 seconds to 30 minutes and is factory set at 15 minutes. Once motion is detected the light level will remain unchanged until the set time cycle is completed.

The microwave sensor used in THE EDGE Pathway and THE EDGE Round Area fixtures utilizes SHF (Super High Frequency) technology to control lighting based on occupancy. It sends out electromagnetic waves that bounce off nearby surfaces, and uses the Doppler principle to analyze changes in the return waves to detect motion in the coverage area. This sensor is factory set to 10 minutes. This sensor operates at 120 or 277 VAC.

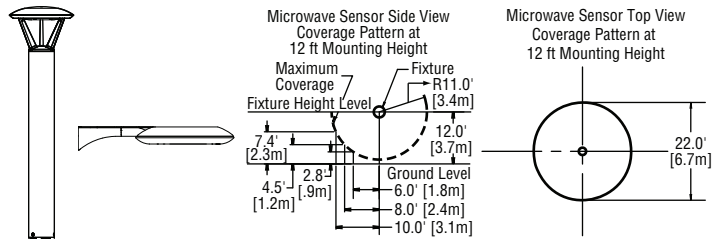
**Figure 1 – THE EDGE® Canopy / THE EDGE® Area / LEDway® Light**



**Figure 2 – THE EDGE® Security / THE EDGE® Parking Light**



**Figure 3 THE EDGE® Pathway / THE EDGE® Round Area Light**



## Sensor Details

Application	Lens
Canopy / Area / LEDway	40' maximum mounting height, 100' coverage area, 360° Lens with 100' maximum diameter coverage area at 40' maximum height. Coverage distribution has a cone of 102° aperture. Detecting lens tiers are uniformly distributed thru coverage area. See figure 1. Consult factory for special configurations.
Parking / Security	8' maximum mounting height, 50' coverage area, 360° Lens with 50' maximum diameter coverage area at 8' maximum height. Coverage distribution has a cone of 145° aperture. Detecting lens tiers are more dense in the inner 22' diameter area with absent tiers from 24 – 46'. See figure 3. Consult factory for special configurations.
Pathway / Round Area	12' maximum mounting height, 360° pattern No lens required. 12' maximum height at the bottom of the sensor. Half sphere coverage pattern with 11' radius. See figure 4. Consult factory for mounting heights greater than 12' or special mounting configurations above 12'.

## Notes:

