

# THE EDGE® Round Area Post Top, Interior, Pathway Multi-Level

Rev. Date: 1/9/11

Products				
Option	Voltage	Round Area PD, R3, R4, R5 Mounts <sup>2</sup>	Round Interior HC, PD Mounts	Pathway
HL <sup>1</sup>	120-277	40-120 LEDs	40-120 LEDs	18 LEDs, N/A on PO Mount
	347/480	40-120 LEDs	40-120 LEDs	18 LEDs, N/A on PO Mount
TL	120/277	40-60 LEDs	40-60 LEDs	18 LEDs, N/A on PO Mount
	347/480	n/a	n/a	18 LEDs, N/A on PO or P1 Mounts
TL1	120/277	40-60 LEDs	40-60 LEDs	N/A
	347/480	n/a	n/a	N/A
TL2	120/277	40-120 LEDs	40-120 LEDs	18 LEDs, N/A on PO Mount
	347/480	40-120 LEDs	40-120 LEDs	18 LEDs, N/A on PO or P1 Mounts
TL3	120/277	40-120 LEDs	40-120 LEDs	18 LEDs, N/A on PO Mount
	347/480	n/a	n/a	18 LEDs, N/A on PO or P1 Mounts
TL4	120/277	40-60 LEDs	40-60 LEDs	N/A
	347/480	n/a	n/a	N/A

1. See HL option drive current chart - sensor not included

2. Refer to the Multi-Level spec sheet for additional options for the Round Area Light for DA, DL, and AA mounts.

Additional Options Available with Multi-Level				
Option	Voltage	Round Area R3, R4, R5 Mounts	Interior Round HC, PD Mounts	Pathway
HL	120-277	F	F	F, N/A on PO Mount
	347/480	N/A	N/A	N/A
TL	120/277	F	F	F, N/A on PO Mount
	347/480	N/A	N/A	N/A
TL1	120/277	F	F	N/A
	347/480	N/A	N/A	N/A
TL2	120/277	F	F	F, N/A on PO Mount
	347/480	F	F	N/A
TL3	120/277	F	F	F, N/A on PO Mount
	347/480	N/A	N/A	N/A
TL4	120/277	F	F	N/A
	347/480	N/A	N/A	N/A

F = Fuse

HL Option Drive Current Configurations		
Leads		Drive Current Output
175mA	350mA	
ON	OFF	175
OFF	ON	350
ON	ON	525

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

Output Multipliers				
Drive Current (mA)	Lumen Multipliers	Power Multipliers	L <sub>70</sub> Life Hours @ 25° C (77° F)	50K Hours Lumen Maintenance Factor Level @ 15° C (59° F)
175	0.66	0.48	> 150K	95%
350	1.00	1.00	> 150K	94%
525	1.40	1.51	131K	93%
700	1.71	2.03	113K	91%

Note: Multipliers are for estimating purposes only. Check actual spec sheet data where available



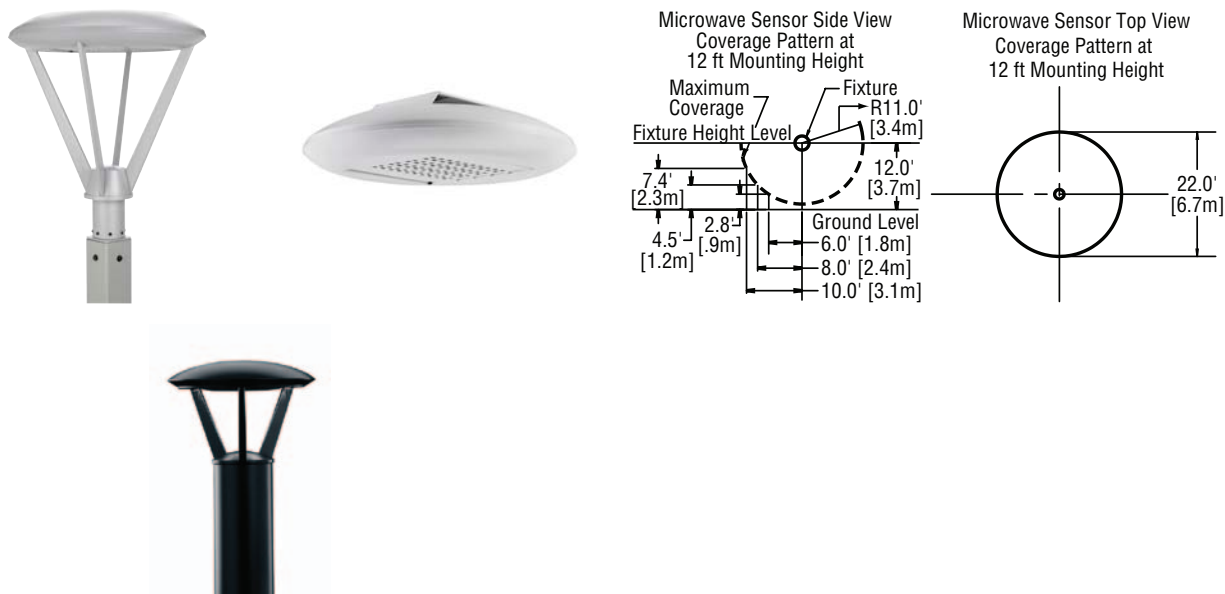
## General Description

The Multi-Level options for the BetaLED EDGE Round Area Post Top, Round Interior, and Pathway 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 roughly 33% of the energy in low (175mA) versus high (525mA) mode.

The HL option will be wired such that five power leads will exit the fixture: two hots (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 two-level options will have three power leads: hot, common and ground.

The microwave sensor used in 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. 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 two-level option selected. This sensor is factory set to 10 minutes. This sensor operates at 120 or 277 VAC.

Figure 1 THE EDGE® Round Area Light Post Top / THE EDGE® Round Interior Light / Pathway



### Sensor Details

Application	Lens
Round Area Post Top / Round Interior / Pathway	12' (3.7m) maximum mounting height, 360° pattern. No lens required. 12' (3.7m) maximum height at the bottom of the sensor. Half sphere coverage with 11' (3.4m) radius. See figure 1. Consult factory for mounting heights greater than 12' (3.7m) or special mounting configurations above 12' (3.7m).

Notes:

