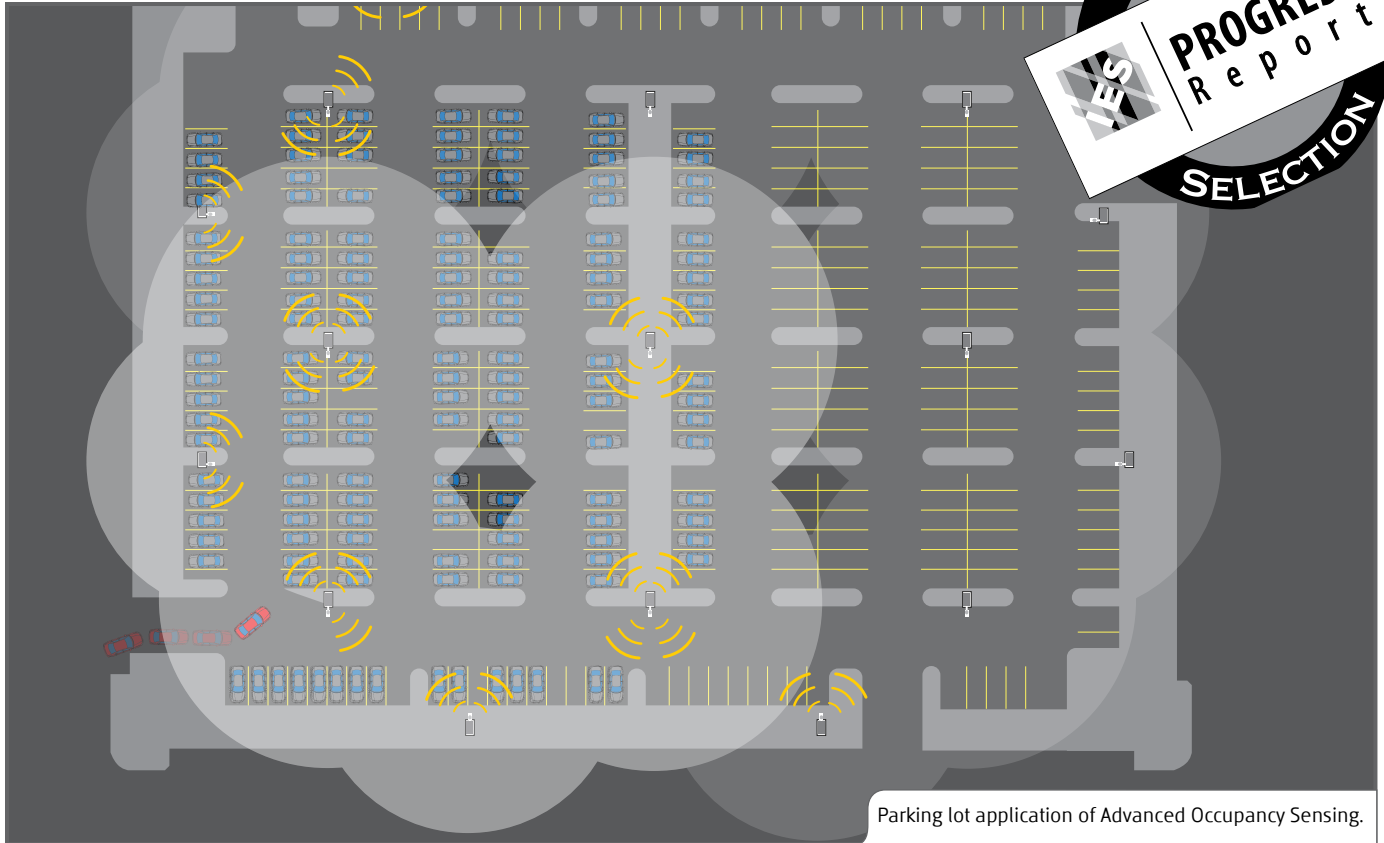


**A pioneering step in wireless, off-grid adaptive lighting**

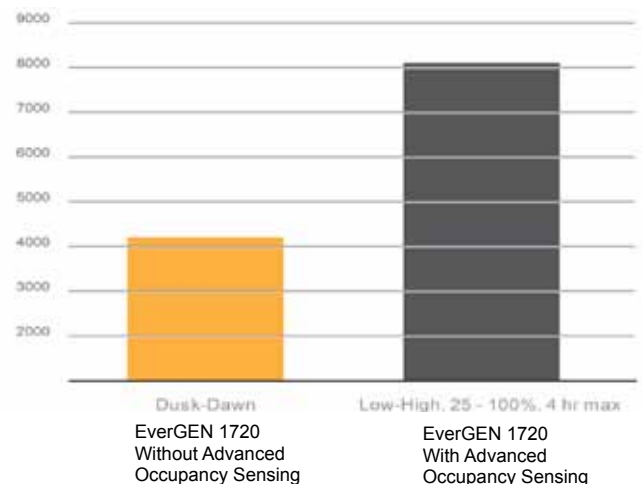


**Advanced Occupancy Sensing: an industry first.**

Carmanah is leading the way in wireless, off-grid adaptive lighting with the new Advanced Occupancy Sensing capabilities available in the EverGEN™ 1700 Series solar LED lighting system.

Utilizing wireless mesh networking, GPS and occupancy sensors, Advanced Occupancy Sensing allows a network of EverGEN 1700 solar LED lights to provide synchronized low-high or off-on activation when one of the lights within the network senses motion.

Operating in accordance with IESNA Illuminance Recommendations for Parking Lots, Advanced Occupancy Sensing conserves energy during periods of intermittent use, saving money and significantly increasing the light output of your solar LED lighting system.



# Advanced Occupancy Sensing

## Activation Settings

The advanced occupancy sensing within the EverGEN 1700 Series offers two possible activation settings:

**Set distance activation:** One light senses motion triggering other lights within a specified distance to switch from low to high, or from off to on.

**Full network activation:** One light senses motion triggering all the other lights in the network to switch from low to high, or from off to on.

## System Activation

When one system detects motion a signal is transmitted to other EverGEN lights within a set radius signaling them to turn on or to ramp to high mode.

The factory default setting is for activation of systems within a 200' (61m) radius of the system that has detected motion. Field configurable settings allow the activation radius to be set at 100', 200', 300', 400' or 500' (30, 61, 91, 122, 152 m).

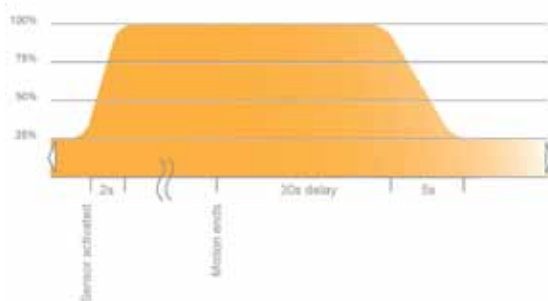
## Transitioning Light Levels

Once activated, lights ramp up from low to high, or from off to on, over two seconds.

If the delay timer expires and no motion is detected, the lights will transition back to either 'low' or 'off' over five seconds. If motion is detected, the delay timer will stop and the lights will remain in 'high' or 'on' mode.

The delay timer is factory set for 30 seconds, and is field configurable for anywhere between 30 seconds and five minutes.

Transitioning Light Levels



## Applications:

- Parking lots
- Pathways
- Secure facilities
- Pedestrian facilities
- Other off-road applications

Set Distance Activation



Full Activation

