

Smart IP66 Integrated Fixture Mount Sensors

A car dealership in Los Angeles uses Smart IP66 Integrated Fixture Mount Sensors to control lighting and reduce crime.

The Challenge

An L.A.-based car dealership had problems with people breaking into the lot, and vandalizing and stealing cars at night. The dealership wanted to protect its inventory while controlling lights on a schedule and keep light brightness at a minimum.

The Installation

Leviton worked with the dealership owner to install sensors that met the dealer's criteria, and created a schedule and control plan for each fixture in the lot.

The Solution

Leviton Smart IP66 PIR Integrated Fixture Mount Sensors with Universal Voltage (ZLDUZ) were installed in each light fixture for individual fixture control, occupancy sensing, and daylight harvesting.

From sunrise to sunset the sensors were programmed to detect occupancy and daylight harvesting. The lights stayed off when there was sufficient ambient light.

From sunset to sunrise, the lights were programmed for Auto-ON with a partial-OFF at 30%. In this operating mode, the lighting will stay ON at a minimum of 30% during all hours of the evening and will turn to full-ON when occupancy is detected.



Protect property and meet energy codes with the Leviton Smart IP66 Integrated Fixture Mount Sensor.

Smart IP66 PIR Integrated Fixture Mount Sensors

Designed for use with switching or 0-10V LED dimming drivers and fluorescent ballasts, the Smart IP66 Integrated Fixture Mount Sensors keep lights ON when an occupant moves through the detection area.

Advanced configuration is made using the Leviton Smart Sensor App on any Bluetooth®-enabled Android or iOS device:

- Adjust sensitivity to increase or decrease coverage area
- Adjust timeouts
- Set and configure daylight mode
- Configure dimming options such as Partial-OFF and Partial-OFF timeouts

The scheduling feature on the Universal voltage model offers:

- Weekly scheduling
- Time clock or astronomical clock
- Change level, operating mode, daylight mode

The smart integrated sensors can be used to comply with IECC, ASHRAE 90.1, and 2022 Title 24, Part 6 occupancy/vacancy sensing and dimming requirements.

Leviton offers spec-ready lighting and control solutions for car dealerships and parking lot applications for sensing and dimming applications and energy savings.