

## Smart IP66 PIR Integrated Fixture Mount Sensors

Car dealership in Texas  
installs integrated  
fixtures to control  
outdoor lighting.

### The Challenge

A new car dealership in Texas wanted to ensure parking lot and building facade lighting turned ON and OFF on a schedule while meeting energy codes and tight budget constraints.

### The Installation

Leviton worked with the dealership owner and project managers to install sensors that met the dealership's criteria and created a control plan for each fixture in the parking lot. The solution needed to meet 2015 IECC and ASHRAE 90.1-2013 energy codes.

### The Solution

Leviton Smart IP66 PIR Integrated Fixture Mount Sensors, ZLDUZ (Universal Voltage), and ZLD1Z (Dimming and Daylight Harvesting) were installed in each parking lot light fixture and building facade lighting for individual fixture control, occupancy sensing, and daylight harvesting.

The dealership wanted to run the lighting on a schedule so the lights would be off during the day but on a schedule at night. Using the Smart Sensor App, the lights were programmed to turn ON ten minutes after sunrise and ten minutes before sunset.

From sunset to midnight, the lights would be full ON regardless of occupancy. From midnight to sunrise, the lights on at 50% unless occupancy was detected and the lights would switch to full ON.



## Schedule-based lighting controls and daylight harvesting for car dealerships.

Running the lighting on three different schedules offered the car dealership energy savings while meeting energy codes and without requiring extra, expensive equipment to run the schedule.

### 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.

### Smart Sensor App

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 timeout

The scheduling feature on the Universal voltage model offers:

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

Leviton Smart IP66 Integrated Fixture Mount 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.

