

**CASE STUDY**

# SMART DIMMING AND OCCUPANCY SOLUTION FOR 11 OCEAN PARKWAY, NY, USA



PROJECT SUMMARY

**Name of the project**

11 Ocean Parkway, NY

**Type of building**

Residential

**Location**

New York, USA

**Requirement**

- Smart dimming for better energy management
- Occupancy and vacancy sensing to automate lighting
- Easy-to-use manual override controls
- Energy-efficient lighting solutions for varied spaces

**Partner**

ELA

**Devices**

- Radiar AF10  
2 channel AC powered 0-10V fixture controller
- Radiar AR10  
2 channel AC powered 0-10V room controller
- Omni TED  
Trailing Edge Dimmer
- Cyrus AP  
PIR Motion & Light Sensor for automation
- PSC-DM-WS-400-BLE-WS  
4-Button AC Switches
- EDRPB  
Battery-free wireless switches

# BACKGROUND

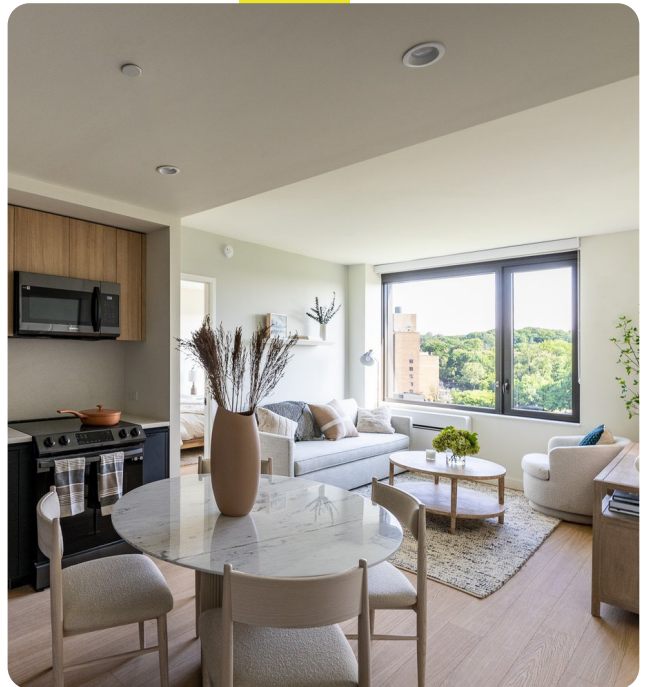
At 11 Ocean Parkway in New York, the property faced lighting inefficiencies that resulted in unnecessary energy usage and operational challenges. Spaces were often left lit even when unoccupied, and the lack of smart dimming limited the ability to adjust lighting levels to suit different times of day. The client sought a solution to address these concerns while improving user convenience.

## OBJECTIVE

Implement smart dimming to adjust lighting levels and reduce energy costs.

Introduce occupancy and vacancy sensing to automate lighting control.

Provide easy access to manual controls for occupants when required.



## CHALLENGES

The existing lighting system was outdated and inefficient, lacked smart controls, leading to high energy consumption. Managing lighting across different rooms required frequent manual intervention. Integrating smart controls without disrupting the property's daily operations posed an additional challenge.

# SOLUTION

## **Radiar AF10:** 2 Channel AC Powered 0-10V Fixture Controller

Provided smooth dimming control across key rooms, enabling lighting adjustments to match usage patterns and times of day.

## **Radiar AR10:** 2 Channel AC Powered 0-10V Room Controller

Delivered centralized control for lighting in larger spaces, making it easier to manage intensity levels efficiently.

## **Omni TED:** Trailing Edge Dimmer

Integrated for trailing edge dimming, ensuring seamless dimming transitions while improving energy efficiency.

**Cyrus AP:** Enabled occupancy and vacancy sensing, automating the lighting in frequently used spaces. Lights turned on when occupants entered and turned off when spaces were vacant, reducing unnecessary energy usage.

## **PSC-DM-WS-400-BLE-WS:** 4-Button AC Switches

Installed for easy manual override, allowing occupants to control lighting settings for specific needs.

## **EDRPB:** Battery-free wireless switches

Transformed traditional switches into smart ones, offering additional flexibility to manage lighting without rewiring.

# RESULT

The upgraded system delivered a noticeable improvement in lighting efficiency at 11 Ocean Parkway. Smart dimming and occupancy sensing significantly reduced energy waste, while manual controls gave users the flexibility to adjust lighting when required. The solution not only optimized energy usage but also simplified lighting management for the property staff, meeting all client requirements effectively.

## ABOUT LUMOS CONTROLS

Lumos Controls is the world's simplest smart lighting control that allows you to create exceptional lighting experiences for smart enterprises. The ecosystem features controllers, sensors, switches, gateways, mobile and web apps to set up basic to advanced smart controls. Lumos Controls offers you the freedom to decide what to achieve and how to grow and step into a sustainable future.