



# Warehouses

Flexible wireless mesh controls for new and retrofit projects

The warehouse and distribution sector in the U.S. has boomed in recent years, with more than 10 billion square feet of space existing in Q1 2021 and continued scarcity of storage space due to ever-increasing e-commerce activity.

Devising effective lighting control strategies for these spaces requires consideration of 24/7 operational schedules, intermittent and unpredictable occupancy throughout large portions of facility spaces, and the presence of architectural daylighting features such as skylights, windows, and clerestories. Whether the project is new construction or retrofit, code compliance is key.



#### **Cost-Effective Installation & Commissioning**

Because mwConnect's Bluetooth mesh solutions eliminate costly hardwiring and extensive commissioning, projects can save as much as 75% on labor costs compared with conventional control solutions



#### **Zone or LLLC Options**

Project teams can select the best approach for each specific facility or combine zone-based control for specific areas such as open assembly or packing spaces and LLLC control for aisleways or loading dock areas



#### **App-based Design & Control**

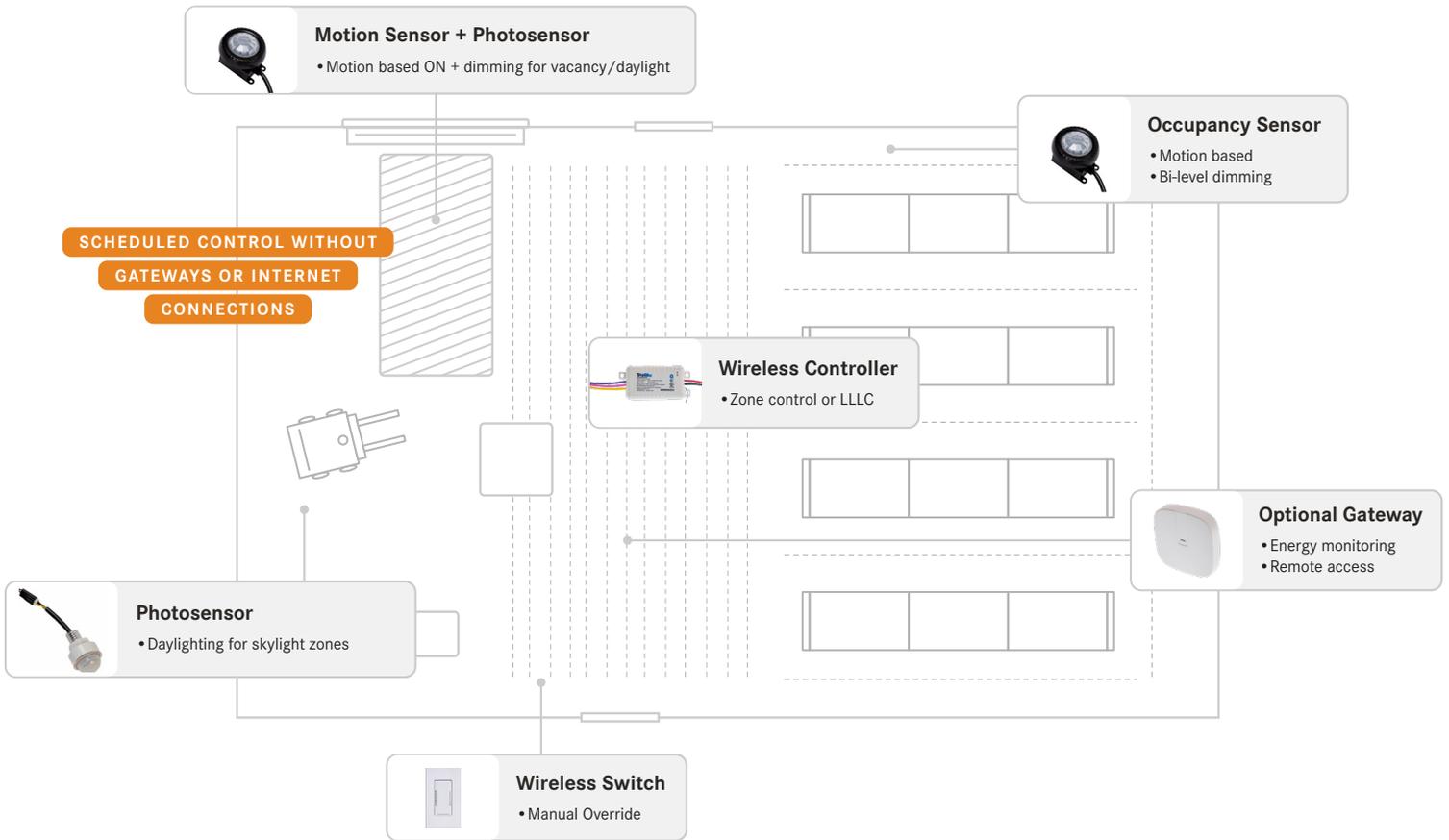
User-friendly control from smartphone apps streamlines design, startup, and future network adjustments



#### **DLC Certified for Rebate Eligibility**

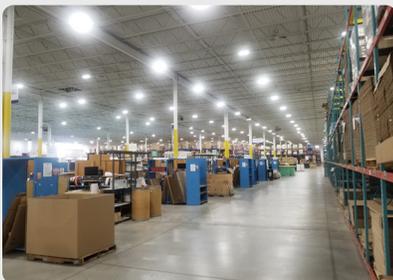
Capture valuable rebates and incentives with the largest selection of DLC-certified controls available in the marketplace

# Bring Flexibility to Every Warehouse Area



## TYPICAL CONTROL PROFILES

Area	Scenario	Description
Aisleways	Occupancy sensors	100% ON with occupancy detection, 30-50% when space is vacant
Areas under skylights	Photosensor sensor	ON at 20% of set lux level during daytime, increase to 80-100% with dusk
Loading dock	Photosensor + Motion Sensor + Schedule	100% ON with ambient threshold, schedule or Motion OFF for nighttime or nonoccupied times; 50% ON for 'shoulder time'
General facility lighting in open assembly areas	Schedule + Occupancy Sensors	100% ON for scheduled operating hours; dim to 50% when space is vacant



## READ CASE STUDY

### Yamaha Motors Improves Energy Performance and Operational Flexibility with Bluetooth Mesh Controls

Maximizing efficiency at its midwestern distribution center is an important business goal for Yamaha Motors. By implementing a SIG-qualified Bluetooth mesh control network with mwConnect's hardware and commissioning software tools along with its lighting upgrade, the company ensured flexibility for future operations as well as significant energy savings for today's bottom line.