LEVITON®

Intellect™ Technology for Smart Fixtures
Powering Next Generation Lighting

■ **What is the Leviton Intellect Intelligent Fixture Control System?**
- This system allows installers to easily implement wireless dimming, occupancy/vacancy sensing, multi-zone daylight harvesting, scene control and manual control using Intellect-enabled fixtures* and an Intellect Keypad Room Controller. One installation delivers flexible individual fixture control and/or multi-zone control for a future proof system that can be simply configured using the Intellect App to meet ever-changing business needs.
  - **Intellect-enabled Fixtures***— integrates advanced lighting controls and enables wireless communication via a robust mesh network

  - **Intellect Keypad Room Controller (ZLDNK)**— coordinates all Intellect devices in the space and provides dimming, switching and scene control

  - **Intellect App for iOS and Android smart devices**— the only setup tool needed; configures the system and wirelessly communicates with the Intellect Keypad Room Controller using Bluetooth technology

■ **What are Intellect-enabled Fixtures?**
- Intellect-enabled fixtures are easy to install LED fixtures with built in wireless control
  - Delivers an easy LED and controls solution for retrofits and new construction
  - Assures compatibility with Intellect controls allowing the fixture to seamlessly operate with other Intellect-enabled devices
  - Integrates wireless dimming, occupancy/vacancy sensing and multi-zone daylight harvesting capabilities
  - Enables wireless communication via a robust mesh network
  - Factory equipped by the fixture manufacturer

■ **What LED fixtures are designed to work with Intellect technology?**
- Virtually any fixture can by Intellect-enabled by a fixture manufacturer

■ **What is a Room Controller?**
- Also known as "the brain" of the system, acts as the primary user interface and coordinates all the energy management functions within the space without requiring a gateway or hub
- Provides the Bluetooth interface for connection to the Intellect App via an Android or iOS smart device
- Uses the Intellect App to configure button operation to meet the unique lighting needs of each space

■ **What is the Intellect App?**
- Wirelessly communicates to the Intellect Keypad Room Controller via Bluetooth to configure, monitor and control the system
- Enables dimming, occupancy/vacancy sensing, multi-zone daylight harvesting, manual control, and scene capabilities

■ **How do the products communicate to each other?**
- Intellect Keypad Room Controller wirelessly communicates via a mesh network with each of the Intellect-enabled fixtures
- Leviton Intellect App wirelessly communicates via Bluetooth technology with the Intellect Keypad Room Controller

■ **How do you install the Leviton Intelligent Fixture Control System solution?**
- Easy installation in 3 steps:
  1) Install Intellect-enabled fixtures*
  2) Install Intellect Keypad Room Controller
  3) Configure the system with the Intellect App

■ **What are the benefits of a Leviton Intellect Intelligent Fixture Control System solution?**
- **Easy Energy Savings**
  - Intellect-enabled fixtures are out-of-the-box, self-contained solutions that can be used to comply with IECC, ASHRAE 90.1 and 2019 Title 24, Part 6 dimming, occupancy/vacancy sensing and daylight harvesting requirements
- **Easy Layout and Design**
  - Each Intellect-enabled luminaire integrates a Sensor which wirelessly communicates with the Intellect Keypad Room Controller and other Intellect devices within the space
  - No additional gateway or hub needed
- **Easy Installation**
  - Plug and play operation with no expensive commissioning required
  - Ladderless commissioning with the Bluetooth-enabled Intellect App
- **Easy Operation**
  - Configure, monitor and control the system from an Android or iOS smart device with the Intellect App
  - Easily program the Intellect Keypad Room Controller to meet the unique lighting needs of any space with the Intellect App

DLC LISTED

The Intellect Solution

System Features

- Programmable using any Bluetooth-enabled Android or iOS smart device using the Intellect App
- Multi-location switching
- Occupancy detection—minor motion coverage area is equivalent to fixture coverage area
  - Auto-ON/Auto-OFF—automatically turns the lights ON on occupancy, turns the lights OFF on vacancy
  - Manual-ON/Auto-OFF—upon occupancy, nothing happens, user must push a button or control the lights from the app to turn them on; turns the lights OFF on vacancy
- Multi-zone daylight harvesting—no limit to number of zones
  - Closed loop daylight harvesting
  - Configurable dead band
  - Room daylight harvesting has two operating modes
    - CAP at Target—lights will never go brighter than the programmed target level
    - Override Allowed—lights can temporarily override the daylighting target

System Features (continued)

- Programmable Intellect Keypad Room Controller buttons—assignable with one of the following behaviors
  - Scene—collection of Groups at a level
  - Toggle—button turns an individual group ON/OFF
  - Room ON—all lights go to their target level or to MAX if they are not in a daylighting zone
  - Room OFF—all lights go OFF
  - Raise—lights get incrementally brighter from their current position; lights that are off, stay off
  - Lower—lights get incrementally dimmer from their current position; lower will only dim the lights to their minimum value
- User controlled fixture Groups—no limit to number of Groups
- Integral scene support—scenes are collections of Groups, each at their own level, programmed with a fade time and recalled from a push button or the app
- Intellect products are listed on the DesignLights Consortium® (DLC) Qualified Product List (QPL) when used as part of a GreenMAX DRC System

Ordering Information
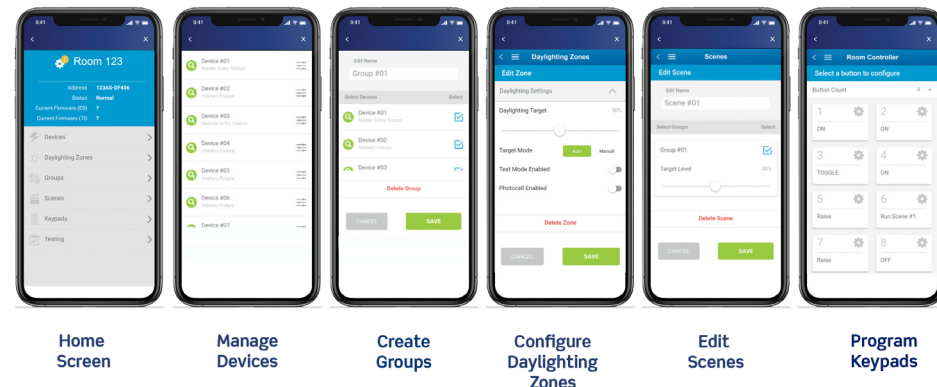
Intellect-enabled Fixtures

Find Intellect Partners and Intellect-enabled fixture ordering information at **Leviton.com/Intellect**. Virtually any fixture can be Intellect-enabled by a fixture manufacturer. If the fixture manufacturer you are working with is currently not an Intellect partner, contact us at **lcmarketing@leviton.com**.

Intellect Keypad Room Controller

Cat. No.	Description
ZLDNK-01W	Intellect Decora 1-Button multi-function BLE keypad with room controller and LED feedback functionality. NEMA form factor, 120-277VAC, 50/60Hz, White
ZLDNK-02W	Intellect Decora 2-Button multi-function BLE keypad with room controller and LED feedback functionality. NEMA form factor, 120-277VAC, 50/60Hz, White
ZLDNK-04W	Intellect Decora 4-Button multi-function BLE keypad with room controller and LED feedback functionality. NEMA form factor, 120-277VAC, 50/60Hz, White
ZLDNK-08W	Intellect Decora 8-Button multi-function BLE keypad with room controller and LED feedback functionality. NEMA form factor, 120-277VAC, 50/60Hz, White

Intellect App

Download via **Leviton.com/Apps**, **Google Play Store** or **Apple App Store**.

Home Screen	Manage Devices	Create Groups	Configure Daylighting Zones	Edit Scenes	Program Keypads

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