The Enlighted One “room-by-room” solution can be configured to different profiles and task tuned to optimize occupant comfort and energy efficiency. Configure the sensors to turn on with the Enlighted Room Control (ERC) switch or when motion is detected by any sensor in the room. Lights dim with daylight harvesting and occupants can quickly choose from preset dim levels.

Set up rooms with a few button pushes on the ERC and reconfigure the grouping or lighting behavior without wiring changes. No gateways, no servers, no mobile applications, and no wiring to the ERC is required.

**FEATURES**

**Autonomous Lighting Behavior:** Sensors adjust light levels based on occupancy, task tuning, daylight harvesting, and configurable lighting profiles.

**Manual Lighting Behavior:** The ERC switch turns lights on/off or to preset dim levels.

**Daylight Harvesting:** Fixture lights are dimmed or turned off in response to daylight. Calibrate with the press of a button.

**Occupancy or Vacancy Behavior:** Configure sensors in a room for manual-on (vacancy switch) or auto-on (occupancy switch).

**Energy Savings:** Depending on occupancy patterns and available natural light, savings may be as high as 65 percent.

**Group Sensors to ERC:** Press a few buttons on an ERC, then group sensors by strobing them with an off-the-shelf laser pointer, choose lighting behavior, and setup is complete.

**Multiple ERCs per Room:** Add ERCs at each room entry point to control room lights.

**Personalize and Reconfigure:** Customize individual light levels and easily add or remove sensors from a group anytime.

**Code Compliant & Rebate Qualified:** Out-of-box building code compliant and qualified for energy rebates.

**Easy Install:** Less labor cost compared to wired lighting solutions due to wireless communications between the ERC and sensors.

**Driver Compatibility:** Dimming and on/off control signaling for 0-10V or 2-wire DALI drivers in LED and fluorescent fixtures.

**UPGRADABLE TO IoT CAPABILITIES**

The One uses the same sensors that power Enlighted’s IoT applications. Facility owners can upgrade to IoT capabilities to unleash energy reporting with hard metering, indoor location using Bluetooth, real estate analytics from occupancy sensing, Building Management System integration, BACnet and API communications, connected lighting, and more.
### TECHNICAL SPECIFICATIONS

<table>
<thead>
<tr>
<th>Feature</th>
<th>MICRO SENSOR</th>
<th>SURFACE MOUNT SENSOR</th>
<th>RUGGEDIZED SENSOR</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max. Install Height</td>
<td>15 ft/4.6m</td>
<td>50 ft/15.25m</td>
<td>Standard 18 ft/5.4m High Bay 50 ft/15.25m</td>
</tr>
<tr>
<td>Encryption</td>
<td>AES-128</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Wireless open range between sensors</td>
<td>Micro sensor (SU-5E): 50 ft/15m</td>
<td>Surface Mount/Ruggedized sensor (SU-5S): 75 ft/22m</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Wireless open range from ERC to the closest sensor: Micro sensor (SU-5E): 50 ft/15m</td>
<td>Surface Mount/Ruggedized sensor (SU-5S): 75 ft/22m</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Surface Mount/Ruggedized sensor (SU-5S): 75 ft/22m</td>
<td>Surface Mount/Ruggedized sensor (SU-5S): 150 ft/45m</td>
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<tr>
<td></td>
<td>Encryption: AES-128</td>
<td>Encryption: AES-128</td>
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</tr>
</tbody>
</table>

### MOUNTING ENLIGHTED ROOM CONTROL (ERC)

The ERC may be mounted directly on the wall or screwed into a gang box. A snap-on face plate is provided or third party face plates may be attached with screws. No wires are used. An ERC is needed for programming, but can then be reset and the fixtures will continue to function automatically.

- **BRIGHT**: Tap to turn lights on. Press and hold to gradually brighten.
- **DIM**: Tap to turn lights off. Press and hold to gradually dim.
- **PRESET DIM LEVELS**: Tap to cycle through different dim levels.
- **AUTO**: Tap to cancel switch override.

### ORDERING INFORMATION

- **Sensors**: Refer to SU-5 sensor specifications. Specify “-IL” (Independent lighting) for the Enlighted One solution.
- **ERCs**: Specify at least one WS-2-00-IL for programming. Refer to ERC specification.
- **Laser Pointer**: Use an off-the-shelf Class II green laser for programming. Order LP-1-00.

**Warranty and Compliance**: Refer to sensor and ERC specifications.