Get the best of both worlds. Award winning Metalux Encounter™ and SkyRidge™ luminaires with WaveStream™ LED technology are available with an optional integrated sensor system, optimized to meet energy codes for occupancy sensing and daylight harvesting.
The luminaire-integrated sensor control system from Eaton’s Cooper Lighting business reduces the design time and complexity of meeting energy codes for both lighting and controls. The sensor system was designed to guarantee occupancy and daylight harvesting coverage from within the footprint of Metalux ambient luminaires, so the lighting design is the control design. And, the system achieves the lowest installed cost in small spaces compared to traditional control products.

No New Wires
An in-place fixture retrofit is all that's needed to meet most energy codes in commercial spaces. The sensor system is factory wired to the luminaire, switching on or off based on occupancy, and dimming the light when enough daylight is available.

Lighting Controls Without Commissioning
The luminaire-integrated sensor system offers out-of-the-box operation using thoughtful default settings.

Flexibility and Individual Control
When the application demands more, the sensor system has the option to make changes using a remote control. The remote allows changes from the default settings for occupancy, target light level, preset lighting levels, and more.

Low Installed Cost
With a single product to mount, and a single electrical connection to make, a Metalux Encounter or SkyRidge with an integrated sensor system saves money on the total installed cost when occupancy and daylighting harvesting controls are needed.

Worry-free Controls Planning
Ensure seamless coverage and performance with a sensor system built into every luminaire. The multi-technology sensor’s occupancy and light sensing coverage overlaps the area each fixture illuminates.

Integrated Design
The sensor system adds to the contemporary aesthetic of both WaveStream luminaires. The system is factory wired and ready to meet code out of the box.

Sensor Remote Control
The optional remote can be used to change settings and to provide local control for one or more fixtures in the same area, allowing users to adjust light levels, even temporarily override automatic controls. Choose one per project, or one per fixture.
Technical Information:
- Fully integrated in to the luminaire – no additional wiring or special installation required
- Passive infrared occupancy detection
- Light sensor for closed-loop daylight harvesting with day, twilight and night settings
- Energy Saver setting – dim to a lower light level when unoccupied
- Infrared receiver for programming and remote control
- Indicator light for occupancy status and programming confirmation

Start Up Behavior

<table>
<thead>
<tr>
<th>Item No.</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Turn power ON to the fixture.</td>
</tr>
<tr>
<td>2</td>
<td>The light will start at 50% light level and then raise or lower to the daylight level.</td>
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<tr>
<td>3</td>
<td>The sensor RED LED should slow blink (ON for 2 seconds, OFF for 2 seconds) for a 1 minute duration then blink only on occupancy.</td>
</tr>
<tr>
<td>4</td>
<td>Wait for next daylight adjustment/occupancy action.</td>
</tr>
</tbody>
</table>

Factory Defaults

<table>
<thead>
<tr>
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</tr>
</thead>
<tbody>
<tr>
<td>Occupancy Detection</td>
</tr>
<tr>
<td>Default Occupancy Time Out</td>
</tr>
<tr>
<td>Occupancy Sensitivity</td>
</tr>
<tr>
<td>Energy Saver Scene</td>
</tr>
<tr>
<td>Fade Up Time</td>
</tr>
<tr>
<td>Fade Down Time</td>
</tr>
<tr>
<td>Default Daylight Harvesting Level</td>
</tr>
<tr>
<td>Default Unoccupied Light Level</td>
</tr>
</tbody>
</table>

Example: 22EN-LD1-34-UNV-L835-CD1-SVPD1-U
Example: 22SR-LD1-29-C-UNV-L835-CD1-SVPD1-U

Today’s energy codes demand the use of controls. The cost to add traditional occupancy sensors and daylight harvesting controls can add up quickly, especially in smaller spaces. Metalux Encounter or SkyRidge luminaires with the integrated sensor system are ideal for new construction or retrofits in enclosed rooms with one to six luminaires, where both occupancy detection and daylight harvesting control are required. When compared to the cost of furnishing and installing traditional occupancy and daylight sensors in addition to the cost of the luminaire, installing Metalux fixtures with the integrated sensor saves money and installation time.

Examples Uses:
- Private Offices
- Patient/Exam Rooms
- Fitness Centers
- Small Conference Rooms
- Small Classrooms
- New Construction or Renovation
- Storage Areas

The most cost-effective solution for enclosed spaces with six or fewer fixtures

EATON Encounter and SkyRidge with Integrated Sensor Controls
Our Lighting
Product Lines
Halo
Halo Commercial Portfolio
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RSA
Metalux
Corelite
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Fail-Safe
MWS
Ametrix
Shaper
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Lumark
McGraw-Edison
Invue
Lumière
Streetworks
AtLite
Sure-Lites

Our Controls
Product Lines
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Zero 88
Fifth Light Technology
iLight (International Only)

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