Corelite

Smart Environments

COOPER Lighting

S M A R T
ENVIRONMENTS

Smarter Than The Average System.

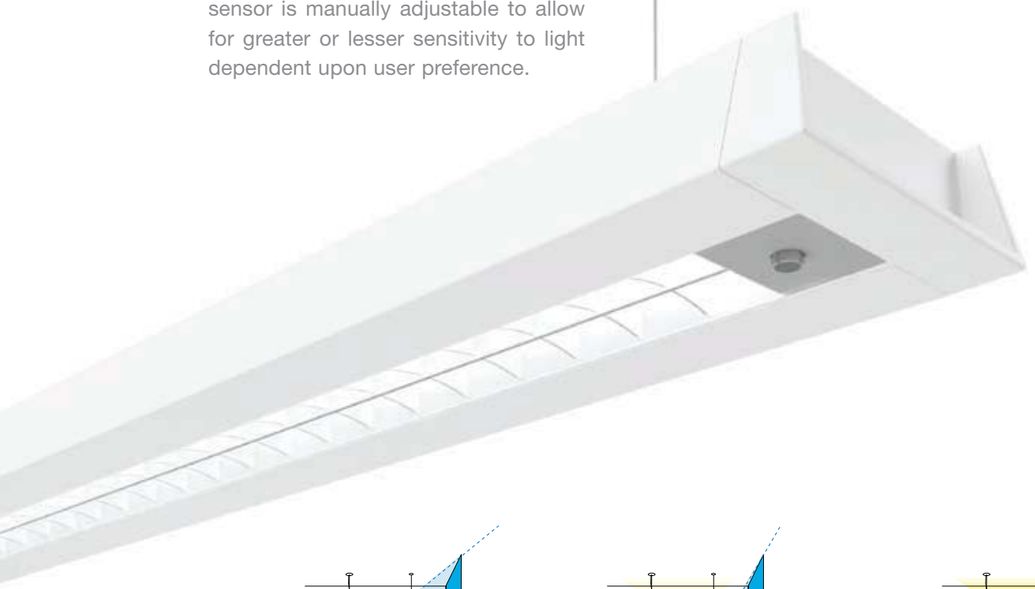
More than ever, reigning in energy expenses and harnessing the power of natural resources – sunlight, for example – are imperative to operational success. It is Corelite's goal to provide as many cutting-edge tools to make doing so not just possible for those in the know, but simple and accessible for everyone. With so much intelligence ingrained in Corelite's platforms, just sit back and let it do what it does best: save you money.

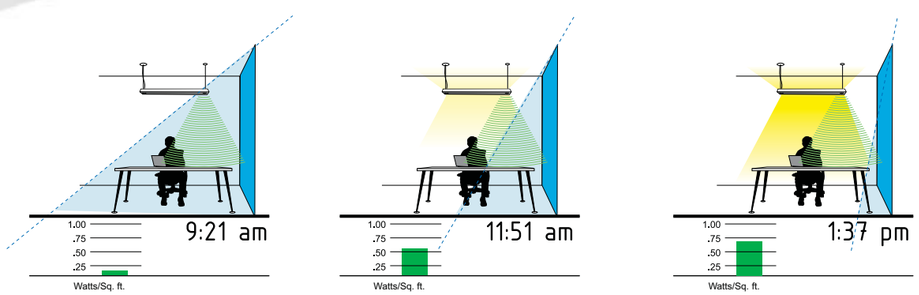
Who's the smart one now?

SMART ENVIRONMENTS

DAY-SENSE™

The Day-Sense sensor is an innovative in-fixture energy saving device. It detects an influx of daylight, and in turn automatically dims a fluorescent luminaire, or series of luminaires. This sensor is manually adjustable to allow for greater or lesser sensitivity to light dependent upon user preference.





- Manually adjustable “Iris” type sensor allows user to set light sensitivity
- Footcandle Range: Application specific, consult factory
- Controls any 0-10 volt dimming ballast (no dimming controls required)
- Wall dimming controls not required, works with simple on/off switch
- Commissioning not required
- 1 Day-Sense sensor controls up to 20 ballasts
- Recommended for use in small private offices and conference rooms with windows
- Maximum recommended mounting height: 10’
- Available with all Corelite D/I Extrusion families

How to order:

L2-WM-2T5-1D-120-AC48-T1-12-DS

Note: Day-Sense (DS) must be specified with Dimming (D) and specific voltage (120, 277 or 347).

2SENSE™

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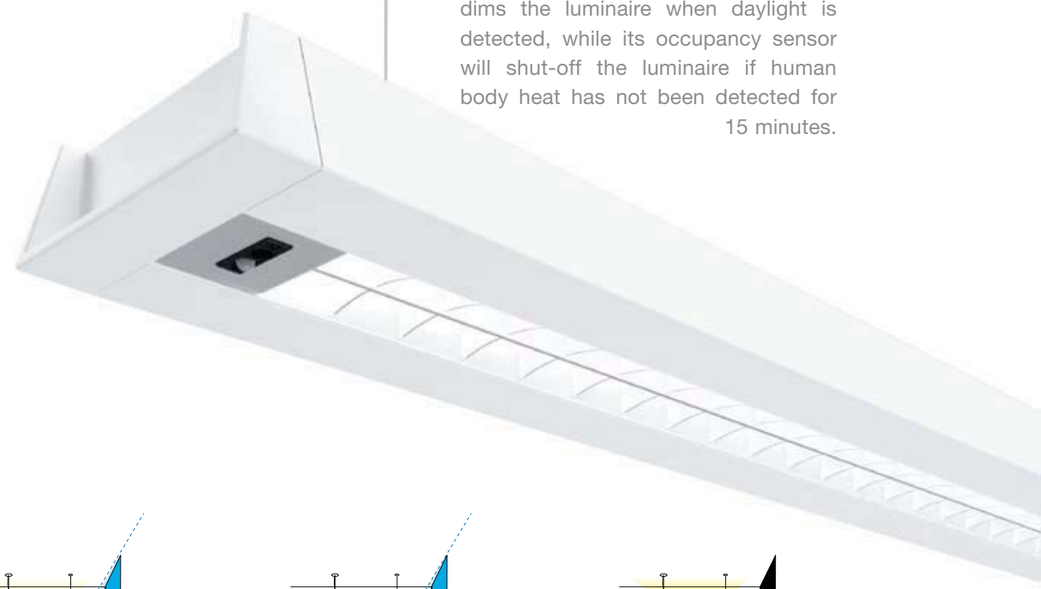
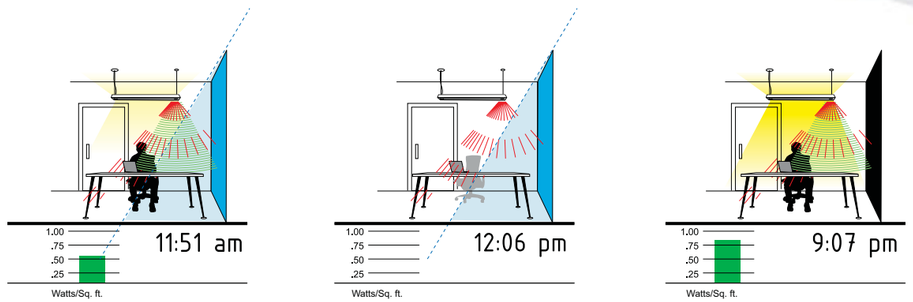
The energy saving 2Sense system provides a combination of daylight and occupancy sensing technology (PIR) into one petite in-fixture sensor. 2Sense’s daylight sensor automatically dims the luminaire when daylight is detected, while its occupancy sensor will shut-off the luminaire if human body heat has not been detected for 15 minutes.





- Controls any DALI protocol ballast (no dimming controls required)
- Footcandle Range: Application specific, consult factory.
- Wall dimming controls not required, works with simple on/off switch
- Commissioning not required
- Passive Infrared (PIR) Occupancy sensor with 2 settings (toggle on sensor):
  Setting 1: Open Office Mode – steps lighting down to 50% after 15 minute of inactivity
  Setting 2: Private Office Mode – shuts lighting completely off after 15 minutes of inactivity.
- Recommended for use in small private offices and conference rooms with windows
- Maximum recommended mounting height: 10’
- Available with all Corelite D/I Extrusion families

How to order:

L2-WM-2T5-1D-120-AC48-T1-12-2S

Note: 2Sense (2S) must be specified with Dimming (D) and specific voltage (120, 277 or 347).

InClass Command

A comprehensive turnkey lighting and control package that places the teacher in command of the classrooom and the environment.

General Illumination

A/V Mode

Teacher Lighting Controls:

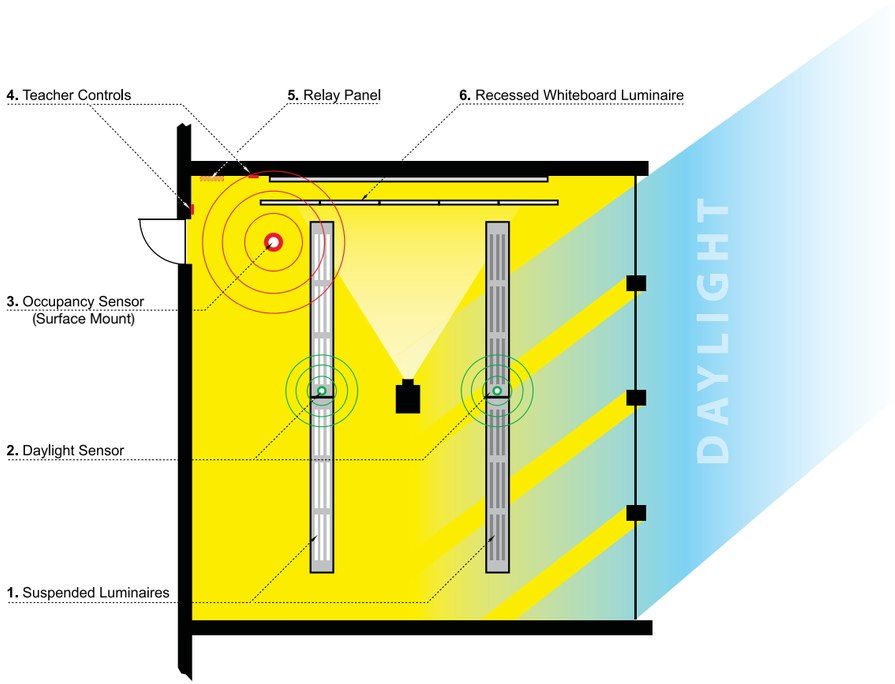
Integration of lighting and controls into one package, with command at the teacher's fingertips, could very well be the teacher's new best friend. Ensuring that lighting is task appropriate – from ambient illumination for reading to whiteboard or media presentations – is crucial to a productive atmosphere, and is easily achieved with any of several customizable switch interfaces. These controls seamlessly combine the desired lighting scenarios, making an attentive audience just a switch-flip away.

Energy Saving Technology

In addition to the benefits of user control, InClass Command employs occupancy and daylight sensors to ensure that the lighting system is as energy efficient as possible. When daylight is present, the lighting dims down. When students and teacher are no longer present, the lighting shuts off. It's simple, smart and in command of true energy savings.

Lighting The Classroom

Creating an inviting and efficient atmosphere conducive to learning is of the utmost concern when lighting for classrooms, and the needs of the instructor and the student must both be considered. For the instructor, whiteboard visibility and the ability to adjust lighting for multimedia presentations are critical. Students require efficient and controlled task lighting for note taking and unimpeded computer screen visibility. Direct-Indirect suspended luminaires, with their highly efficient bilateral ambient light distribution and isolatable downlight components, address all of these requirements. The ability to easily integrate energy-saving control systems only serves to further their appeal.



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1. Suspended Luminaires

Corelite's D/I Extrusion families supply direct-indirect light distribution, offering the ideal combination of functional direct work surface illumination and indirect ambient lighting for visual comfort. The combination of lamp distribution isolators and energy saving teacher controls truly gives the teacher command of the class and the classroom.

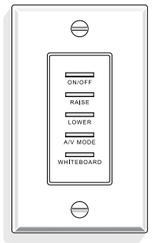
2. Daylight Sensor

An innovative energy-saving device, the Day-Sense sensor can detect a specific user-defined daylight level in a space, and in turn automatically dim the luminaire down. When used properly in environments having sufficient daylight, an energy savings of at least 35% can be achieved.

3. Occupancy Sensor

Corelite's Dual Technology surface mount occupancy sensor's combination of Ultrasonic and Passive Infrared technologies offers the most complete sensing equipment available today. This pairing helps eliminate false activations or deactivations for additional energy savings. The OMC-DT sensors are also equipped with MicroSet technology, which provides a revolutionary adaptive and airflow tolerant technology, making them ideal for spaces with increased airflow due to higher occupant levels. MicroSet Dual Tech sensors radically simplify and reduce a contractor's installation and adjustment time period.

4. Teacher Lighting Controls

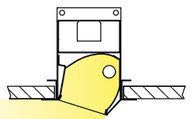


A decorator style switch with up to five buttons offers ON/OFF control of relay groups with the touch of a button. The switch also provides scene control and raise/lower control of lighting loads when used in conjuction with the relay panel.

5. Relay Panel

Corelite's lighting control panel is a cost effective specification grade lighting control system packed with plenty of standard features. Control up to 4 relays per panel with optional support for up to 4 0-10V dimming ballast control outputs. Network up to 254 ControlKeeper panels for a state of the art lighting control system.

6. Recessed Whiteboard Luminaire



When ambient lighting alone cannot adequately provide the necessary vertical footcandles, wall-washing luminaires such as the Neoray Series 23 may supplement the lighting package to supply the enhanced vertical surface illumination required for perfect visibility of whiteboards.

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