



The future of lighting has arrived with Connected Solutions

Intelligent lighting systems that save energy, reduce operating costs, and increase tenant well-being are now a reality! The Connected Solutions program enables a vast selection of cutting-edge, energy-efficient luminaires to interface with advanced building lighting control systems, providing personalized control and a host of advantages for both tenants and building managers. These smart luminaires go beyond illumination, helping to achieve beautiful, harmonious spaces that connect people to their environment.



FOCAL POINT®

Bringing It All To Light™



What is Connected Solutions?

Connected Solutions uses the Internet of Things (IoT) and leverages the electrical power and ubiquitous presence of lighting to collect valuable data, allowing for smart building management. Integration with building management systems through wired or wireless networks provides the ability to monitor and modulate light levels and temperature, thus reducing energy costs and increasing tenant well-being in new construction or retrofit applications.

Benefits of Connected Solutions

- Allow for daylight harvesting, occupancy sensing and/or temperature control
- Integrate with new and existing whole building lighting control systems
- Data used to monitor and modulate for maximum efficiency
- Adapt to individual preferences with scene control functionality
- Increase occupants' comfort and well-being
- Reduce energy consumption and maintenance costs
- Increase safety and security
- Reduce carbon footprint
- Meet latest building and energy codes
- Individually, digitally addressable to allow for re-zoning without rewiring



Our Partners

Our multi-partner program allows Connected Solutions enabled luminaires to integrate with several building lighting control systems to meet the needs of each project. A variety of sensors, drivers and other components can be specified that allow the luminaires to communicate with wired and wireless networks, enabling energy savings, reducing costs and maximizing occupants' comfort.



nLight® provides a two-way wired digital lighting system allowing for on/off and dimming functionality, occupancy sensing, and multi-zone daylight harvesting.



Enlighted smart sensor allows for occupancy sensing, daylight harvesting, energy usage, temperature and light level control. Communicates wirelessly with the Enlighted network.



A two-way digital network that enables on/off and dimming functionality, occupancy sensing, and multi-zone daylight harvesting. Communicates with Züm wireless and SpaceBuilder working with Züm hub scheduling or FUSION management.



A Digital Lighting Management (DLM) system that provides two-way wired communication between networked luminaires and control system to allow for on/off and dimming functionality, occupancy sensing and multi-zone daylight harvesting.



A two-way digital network that enables on/off and dimming functionality, occupancy sensing, and multi-zone daylight harvesting working with Quantum®, Energi Savr Node™, and Energi TriPak® using EcoSystem® communication protocol.



Connected Lighting Module (CLM) enables each luminaire to be independently controlled and configured. Communicates wirelessly with Daintree Networks®, Osram ENCELIUM®, Osram ENCELIUM EDGE™ and other networks using the ZigBee® HA communication protocol to allow for on/off and dimming functionality, occupancy sensing and multi-zone daylight harvesting.



OCCUPANCY SENSING

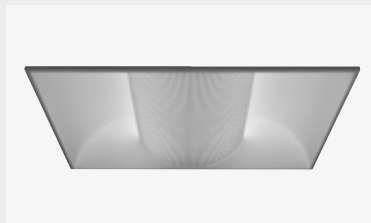
Occupancy Sensing is an energy management technique used to turn lights on and off based on occupancy. The intuitive technology detects motion within a space, signaling if light should be on or off, to save energy and comply with building codes.

BENEFITS:

- Cost savings
- Automatic on/off control of lights
- Help to meet building and energy codes/standards

LUMINAIRE SELECTION

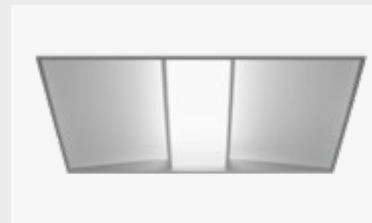
A broad range of Connected Solutions enabled luminaires are offered: recessed linear, architectural troffers and suspended luminaires for use in various applications.



Luna®



Amica® 2



Equation® 2



DAYLIGHT HARVESTING

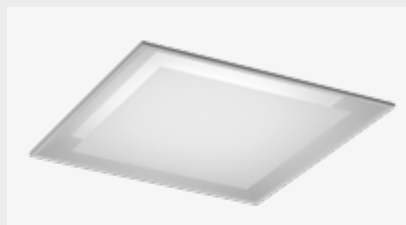
Daylight Harvesting is an energy management technique used to control the electric light levels based on the amount of natural daylight in the space. These systems offset the amount of electric lighting needed to properly illuminate a space, reducing energy consumption.

BENEFITS:

- Cost savings
- Automatic control of light levels
- Increase in health and well-being due to exposure to proper amount of natural and electric light
- Enhance visual comfort in educational and learning environments
- Help to meet building and energy codes/standards



Facetta



Zephyr®



Avenue® 6



Seem® 2



Seem 4



TEMPERATURE REPORTING

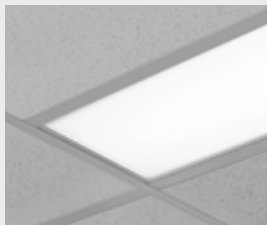
Temperature Reporting is an advanced energy management technique that senses environmental changes and automatically reports the temperature. The data is used to monitor and adjust to the optimal temperature for the occupants' comfort and to reduce energy consumption.

BENEFITS:

- Cost savings
- Automatic control of lighting and temperature
- Reduces environmental impact



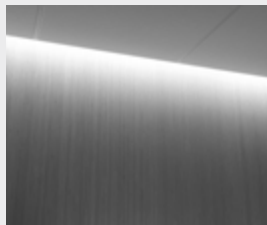
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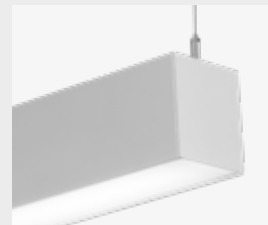
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CONNECTED™ SOLUTIONS

Connected Solutions from Focal Point is the broadest offering of connected luminaires in the industry. A vast selection of luminaires integrate with popular intelligent building lighting management systems, bringing together luminaires and smart controls to create smarter building solutions.†

Connected Solution	Protocol	Compatible Networks*	Occupancy	Daylight	Temperature Reporting	Communication to Luminaire
	nLight	nLight	Enabled	Enabled	No	Wired
	DALI 0-10V	Crestron Züm Wireless & SpaceBuilder	Enabled	Enabled	No	Wired
 A Siemens Company	Enlighted RF	Enlighted	Integrated	Integrated	Yes	Wireless
 WATTSTOPPER®	DLM	DLM	Enabled	Enabled	No	Wired
	EcoSystem	Quantum, Energi Savr Node, Energi TriPak	Enabled	Enabled	No	Wired
	ZigBee HA	Osram ENCELIUM & ENCELIUM EDGE Daintree Networks & open ZigBee Networks	Enabled	Enabled	No	Wireless

*Not all compatible networks may be listed. †All Connected Solutions luminaires require a compatible building control system. Controls systems supplied by others.



Curve IV

Obscura®


Nera®

Nera® Pendant

Twelve

Dart

Consult luminaire cut sheets for Connected Solution offerings.



For more information about
Connected Solutions visit
[www.focalpointlights.com/
ConnectedSolutions](http://www.focalpointlights.com/ConnectedSolutions)

