Indoor Lighting Controls System Comparison

Company | Control System	Network	Occupancy Sensing	Daylight Harvesting	High-end Trim	Scheduling	Personal Control	Demand Response	Plug Load Control	Zoning	Factory-installed Luminaire Control	Lighting Luminaire Control	Continuous Dimming	User Interface	Local Processing	Energy Monitor	Building Systems Integration	Remote Diagnostics	Emergency Lighting Integration
AirLink™ enabled by Lutron®	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	Web browser GUI or Push Button	✓	✓	✓	✓	✓
AcuityBrands nLight Air®	✓	✓	✓	✓	✗	✓	✗	✗	✓	✓	✓	✓	Mobile App GUI	✓	✗	✗	✗	✓
CREE SmartCast® Technology	✓	✓	✓	✓	✗	✗	✗	✓	✓	✓	✓	✓	Remote Control	✓	✓	✓	✗	✓
current powered by GE Daintree	✓	✓	✓	✓	✓	✓	✓	✓	✓	✗	✓	✓	Web browser GUI	✓	✓	✓	✓	✓
PHILIPS SpaceWise	✓	✓	✓	✓	✗	✓	✗	✗	✓	✓	✓	✓	Remote Control	✓	✗	✗	✗	✓
EATON WaveLinx	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	Remote Control	✓	✓	✗	✗	✓

Data from various company websites and DLC — Networked Lighting Control QPL: Detailed System Capabilities 08/17/18

- HE Williams only offers PoE indoor controls

Terminology Key

Network — The capability of individual luminaires and control devices to exchange digital data with other luminaires and control devices on the system

Occupancy Sensing — The capability to affect the operation of lighting or other equipment based on detecting the presence or absence of people in a space

Daylight Harvesting — The capability to automatically affect the operation of lighting or other equipment based on the amount of daylight and/or ambient light that is present in a space

High-end Trim — The capability to set maximum light output of an individual or group of luminaires at the time of installation or commissioning

Scheduling — The capability to automatically affect the operation of lighting or other equipment based on time of day or astronomical event

Personal Control — The capability for individual users to adjust the illuminated environment to their personal preferences within a space

Demand Response — The capability to reduce the energy consumption of a lighting system, in a pre-defined way, on a temporary basis, in response to a demand response signal

Plug Load Control — The ability to control the power delivered to receptacles through scheduling or occupancy sensing. The method by which the system implements this capability must clearly be described in the application

Zoning — The capability to group luminaires and form unique lighting control zones for a control strategy

Factory-installed Luminaire Control — Luminaires that are manufactured with occupancy/vacancy sensors, daylight harvesting sensors and controllers built-in, eliminating additional installation labor

Lighting Luminaire Control — The ability to uniquely identify and/or adjust each individual luminaire, sensor, controller and user interface device in the lighting system, allowing for configuration and re-configuration of devices and control zones independent of electrical circuiting

Continuous Dimming — The capability of a control system to provide control with sufficient resolution (100+ steps) to support light level changes perceived as smooth (as opposed to step dimming with few discrete light levels)

User Interface — The type of interface used by the control system for reading and adjusting control system settings during the system start-up, commissioning and normal operation

Local Processing — The capability of sensors and luminaires to execute pre-programmed energy saving strategies in the absence of (resulting from either a loss of network connection or failure) a gateway or central processor

Energy Monitor — The ability of a system, luminaire, or device to report its own energy consumption, or the energy consumption of any controlled device via direct measurement or other methodology

Building Systems Integration — The ability to exchange data with other building systems such as Building or Energy Management Systems (BMS/EMS), Heating Ventilation and Air Conditioning (HVAC), or other lighting systems

Remote Diagnostics — The ability to monitor, diagnose and report operational performance including system and/or component failures

Emergency Lighting Integration — The ability to integrate emergency lighting into the system through battery backup or another method