DIMMING • DAYLIGHT HARVESTING • FULL-2WAY NETWORK • EASY INSTALLATION

Lighting Control Systems that Save Energy and Time.

PLC Buildings

Lighting Control Systems

BRIGHT IDEAS

PLC has energy efficient lighting control covered, inside and out.

These days every company in the lighting control industry is touting their expertise with "green" technology. Terms like "daylight harvesting", "dimming" and "fluorescent control" are the buzzwords of the lighting control industry. The foundation of this technology is the photo sensor, which measures amounts of sunlight present in an environment. The one company in our industry with over 20 years experience in photo sensor technology is PLC. Over the years we have quietly become the industry expert in what has now become a crucial technology for today's lighting control systems. PLC has taken this expertise and created advanced lighting control systems that integrate photo sensors, motion sensors, timeclocks and wireless networking to create a seamless series of lighting control systems. Any lighting control problem can now be addressed by a single company. A company deeply rooted in providing green solutions to their customer's lighting control needs.

S-Series

Sensor-based systems for specific applications that utilize sunlight.

The S-Series controllers, which feature the LC8, LC81, LC8-15, LC81-B, LC81-BHT and LC8-T455 seamlessly measure sunlight to efficiently light indoor and outdoor spaces. These are minimal systems that automatically switch dry contacts in response to changes in natural light. They maintain a single pole, double throw "Form C" relay output to drive electrically or mechanically held contactors, relays or other Building Automation Systems.

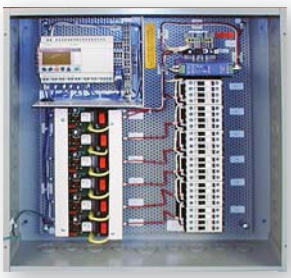
I-Series

Sensor-based system for dimming ballast-driven lighting.

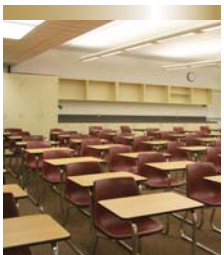
The Iris Slide is a cost-effective energy efficient way to control electronic ballast lighting. It combines the daylight harvesting savings of the Iris indoor dimming sensor with the flexibility of a slide control switch. This gives you the ability to minimize electrical usage across a room's ballast-driven lighting and still have the ability to slide dim or even shut off the lighting. All done at the source, using only a sensor and a switch.

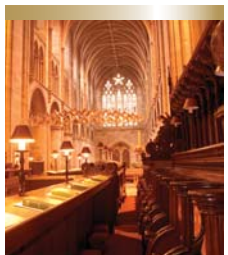
C-Series

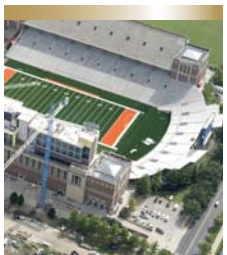
Contactor-based systems ideal for large spaces inside and out.



These stand-alone controllers, LCM-IE, LCM-BL and LCM-ASTRO feature programming and accessories optimized for specific types of interior and exterior applications. They utilize the analog input from a CES style photo sensor to control multiple lighting tasks. These tasks are composed of various levels, zones, and environments. Timers can be adjusted to suit the types of lamps and ballasts used. The user-adjusted photo levels allow the systems to control various outputs from single or multiple sensors.







R-Series

Relay-based all-in-one system with built in flexibility.

The Bantam and BantamX are easy to use lighting control systems that don't require much on-site installation time. They provide automated control of high-voltage lighting circuits based on panel switches, photocells and time schedules. This series has the flexibility of 8, or as many as 48 relays, making it ideal for retail and commercial applications.

P-Series

Networked systems that control large inside spaces.

Built with the world's most dependable relays from Panasonic, the Nebula offers remote lighting control with both ease of operation and installation. Using just two 24V signal wires, the Nebula connects "Satellites" containing networked components. This Full-2Way network allows complete control of all switches and sensors. Centralized monitoring and control enables the system to manage as many as 256 circuits and up to 127 groups of lights in a single application area.

Custom

When your application requires more than a standard solution.

Calling on our 20 years of expertise and all the components we have at our fingertips, we can create for you a custom lighting control system that will meet all your needs.

Big or small, inside or out, PLC has the lighting control systems suited for the needs of today's commercial applications. From ballast dimming to remote networks for applications as small as a classroom and as big as a parking garage, PLCBuildings has you covered.

APPLICATIONS

SMALL INSIDE

Offices, Small Retail Stores, Restaurants

IRIS SLIDE *I-Series*
Sensor and slide switch combo to dim ballasts

LC81 *S-Series*
Basic photo sensor control

LC8-T455 *S-Series*
Basic photo sensor control power plug

BANTAM *R-Series*
8 relay stand-alone with timeclock, photo sensors

BANTAMX *R-Series*
Up to 48 relays in stand-alone controller

LARGE INSIDE

High Rise Buildings, Airports, Manufacturing

BANTAMX *R-Series*
Up to 48 relays in stand-alone controller

Nebula *P-Series*
Nucleus controller in Full-2Way network

Nebula *P-Series*
Nucleus8 controller in Full-2Way network with photo sensors, occupancy sensors and PLC Profiles

Nebula *P-Series*
Nucleus255 controller in Full-2Way network with Web, Ethernet or Modbus communication

SMALL OUTSIDE

Gas Stations, Parking Decks, Signs

LCM-ASTRO *C-Series*
Stand-alone astronomical control of 4 or 8 pole contactors

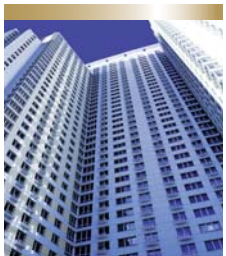
LC8 *S-Series*
Simple photo sensor control of one relay, 24VAC

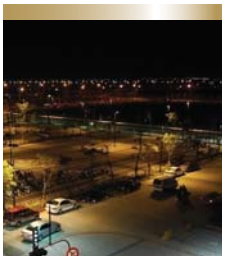
LC81-BHT *S-Series*
Basic photo sensor control with hold-on timer for HID

LARGE OUTSIDE

Parking Garages, Campuses, Stadiums

LCM-IE *C-Series*
Photo & occupancy sensor control of 4 or 8 pole contactors





Product Comparison

Below is a chart we prepared to assist you in determining which product series is right for your specific application.

Features	S-Series	I-Series	C-Series	R-Series	P-Series
120VAC	●	●	●	●	●
277VAC	●	●	●	●	●
Code Compliance	◉	◉	●	●	●
Relays			●	●	●
PC Setup			◉	●	●
Networking				◉	●
Dimming (0-10V)		●			●
Contactors			●		◉
480VAC			●		●

● *Product series has this feature* ◉ *Product series has capability of this feature*

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