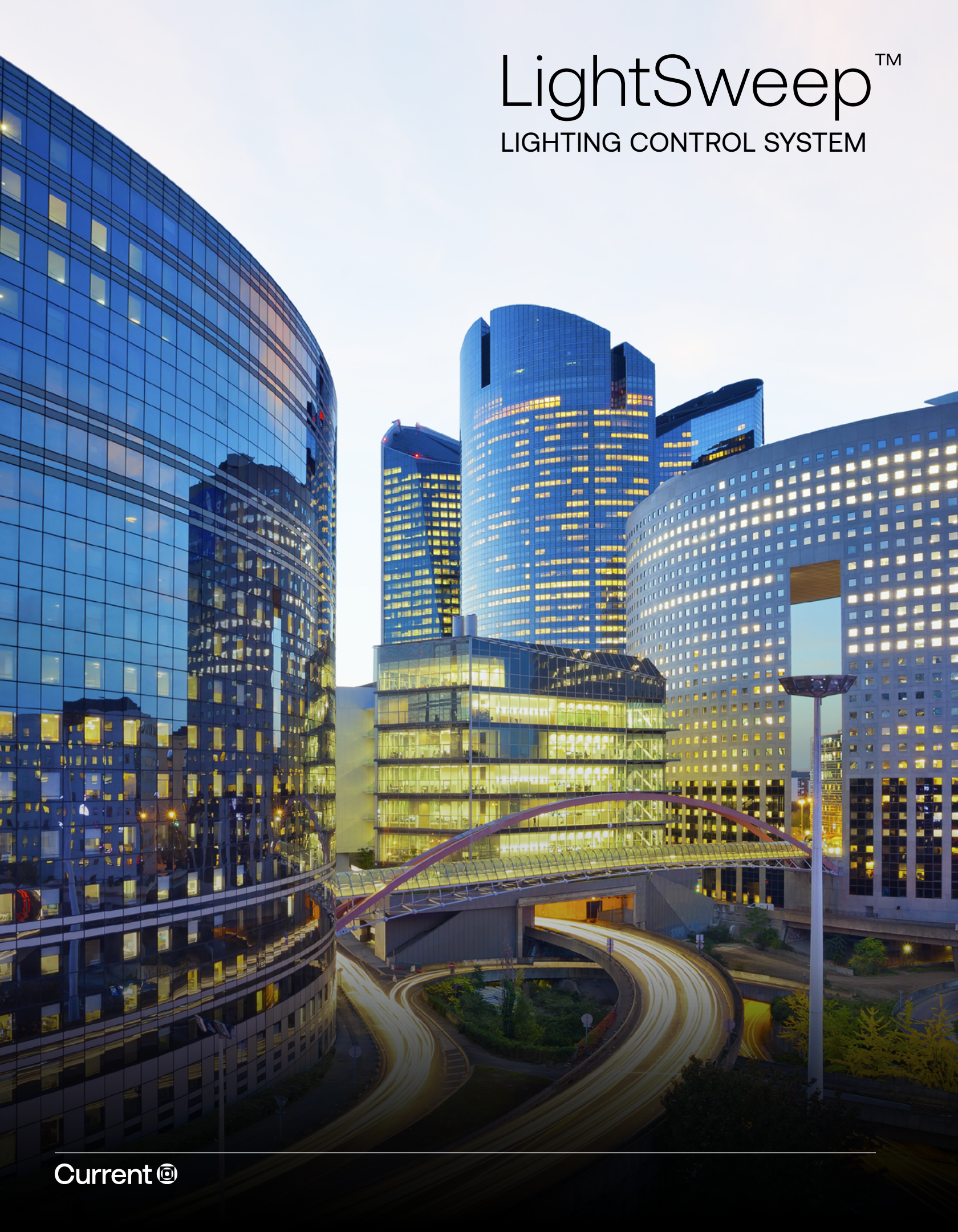


LightSweep™

LIGHTING CONTROL SYSTEM



Incredible Control

Current's LightSweep™ is a comprehensive indoor lighting control system designed to save money while improving the efficiency, comfort, safety and security of any facility. With remarkably precise control of every fixture in your store, office, hotel, warehouse, or other commercial space, you reduce ongoing operational expense by slashing energy usage. LightSweep™ makes it easy to dim or turn fixtures off and on 24/7 in any pattern that you choose. It's the simple, modular, flexible and easily expandable solution backed by the reliability of the Current brand.

System Components:



Relay Modules
Controls up to six 30 Amp relays that can switch individual lighting circuits.



Group Switch Modules
Eight programmable inputs, configurable as Switch or Sensor.



Dimming Control Modules
Can be programmed to dim based on a single sensor with different offsets for each channel or to create scenes operated by programmable switch, sensors or time schedules.



Network Scheduler
Allows programming of the entire system – sensors, switches, timers, Astronomic clock, network troubleshooting, remote control.



Programmable Switches
Soft touch switches can be field configured as 1, 2, 4 or 8 buttons. Each button can control any configuration of ON/OFF relays and dimming channels, allowing creation of very complex control scenes.



Photocells and Occupancy Sensors
Sensors detect a variety of data, including room occupancy and light levels. When connected to the system they can create multiple automated scenarios.

Control

Simple Modular Design

Snap-in modules and CAT5 connectivity enable easy factory or field installation, quick field replacement, and simple upgrades. Just the right level of technology means contractors meet job specifications without expense of unneeded functionality, saving facility owners money.

Customization

Easy-to-program components make creating custom zones, scenes, and constraints an efficient cost-effective process.

BACnet

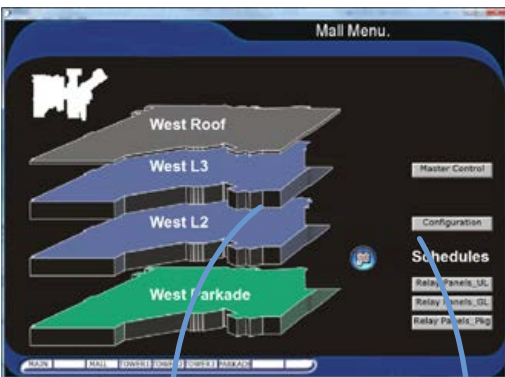
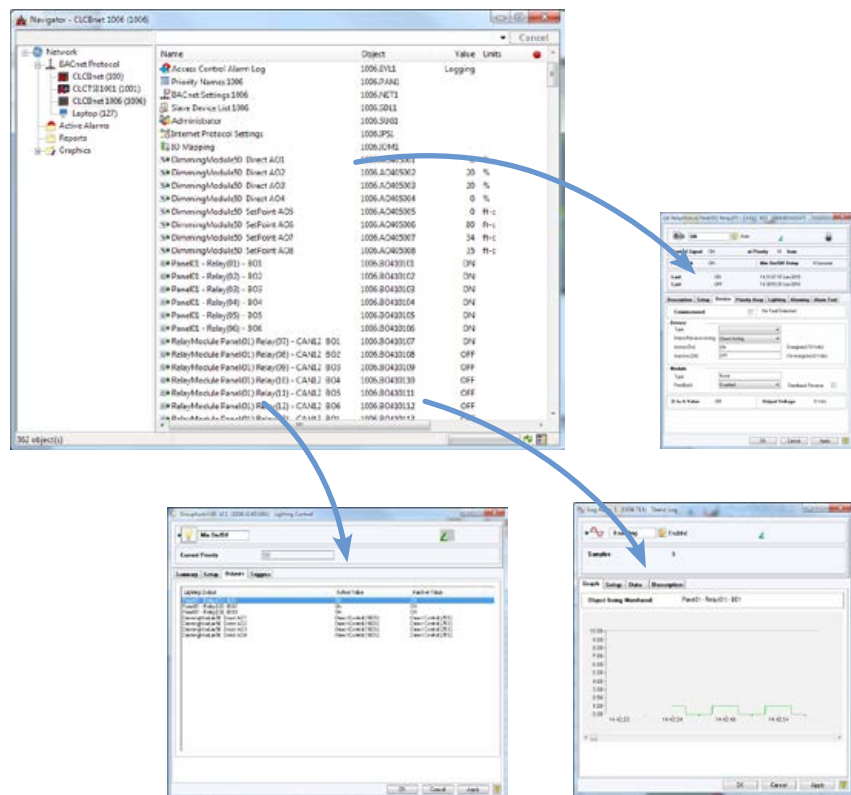
Compared to competitive systems, LightSweep™ is easier to integrate with 3rd party products including field devices, wireless networks, and BMS, also saves time achieving software and webserver connectivity.



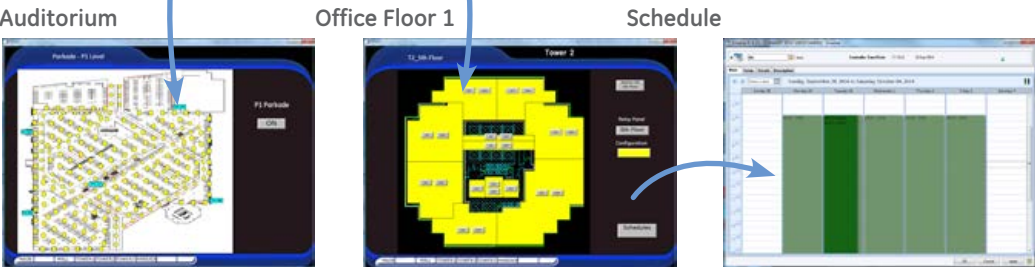
Commanding Software

Current's LightSweep™ software options include basic, graphic and web based. Choose the degree of detailed control your project demands.

Navigator is the basic configuration software used for system setup and administration. It establishes inputs and outputs, creates trigger points for photocells, schedules, switches and occupancy sensors, allows set-up and changing of time schedules, and the overriding of relays, groups, and dimming outputs. It allows creation of custom programs, alarms, events and trends, as well as hardware troubleshooting.



The Graphic Module transforms floor plans and images into dynamic, interactive illustrations. Through a series of customized screens, you can display schedulers, control scenes, dim sliders, and more. It's a great looking, easy-to-use tool facility managers love.



Software

The Web Server Module uses Internet Explorer to monitor and control the system from any computer, tablet or smart phone. Customized graphic screens provide a seamless lighting control display that turns relays ON/OFF, calls preset scenes or changes time schedules.



BACnet is the interface for PC software control, webserver and BMS.



HMI Touch Screen compliments the graphical user interface.



Location Specific

Every location has unique needs. LightSweep™ enables customized solutions perfect for Office, Retail, Industrial and Campus settings. Each takes into account the usage of the spaces and the flow of people through the buildings, supporting the activities taking place in each.



Office

Large office buildings are configured as an integrated system with computer interface using Web browsers and/or connected to BMS. A larger panel on each floor – installed in electrical rooms – controls the core building lighting as corridors, lobbies, large open office spaces. Smaller panels, dimming panels and programmable switch stations are connected with CAT5 to provide local control for smaller offices, conference rooms and multi-purpose rooms. Occupancy sensors and photocells are connected to the system to enhance the control strategy.



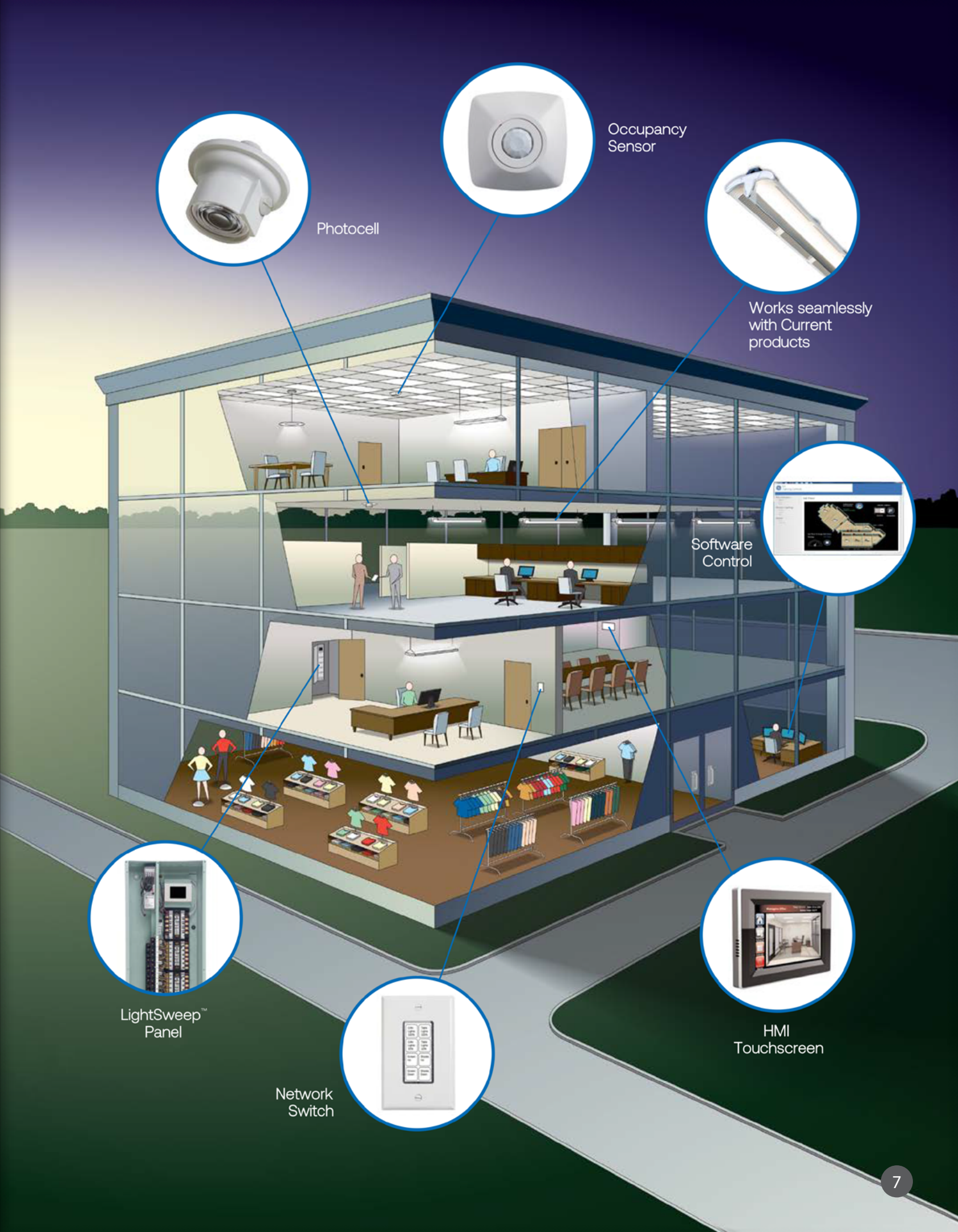
Retail

Retail Spaces can be configured as stand-alone or integrated systems with computer interface using Web browsers and/or connected to BMS. A relay turns the lights ON/OFF based on store hours. Sophisticated dimming options allow for the natural flow of people through the space based on time of day and day or the week. Lights can be at 100% during store hours for customer convenience, dim back to 80% when no customers are in a specific area, and go to 50% after hours for employee cleaning and re-stocking. Integration with BMS using BACnet protocol makes the whole management process simple.



Industrial & Campus

Industrial and campus applications use BACnet UDP IP communication, which allows remote access and communication between panels using the IT network infrastructure. Panels can be programmed to share information – for example an exterior photocell information can be shared to all panels controlling site lighting - and can operate without the need of a computer front-end. System integration to BMS provides increased energy savings.

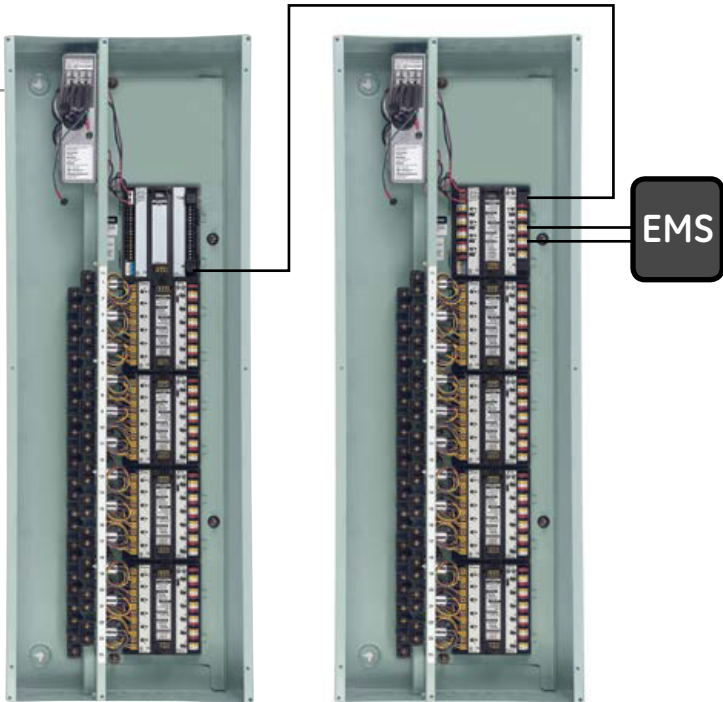


Scalable Solutions

No matter the size or circumstance of your project, Current's flexible LightSweep™ delivers value and affordability. We'll help you choose the right combination of modules that comprise a customized solution designed specifically for your unique needs.

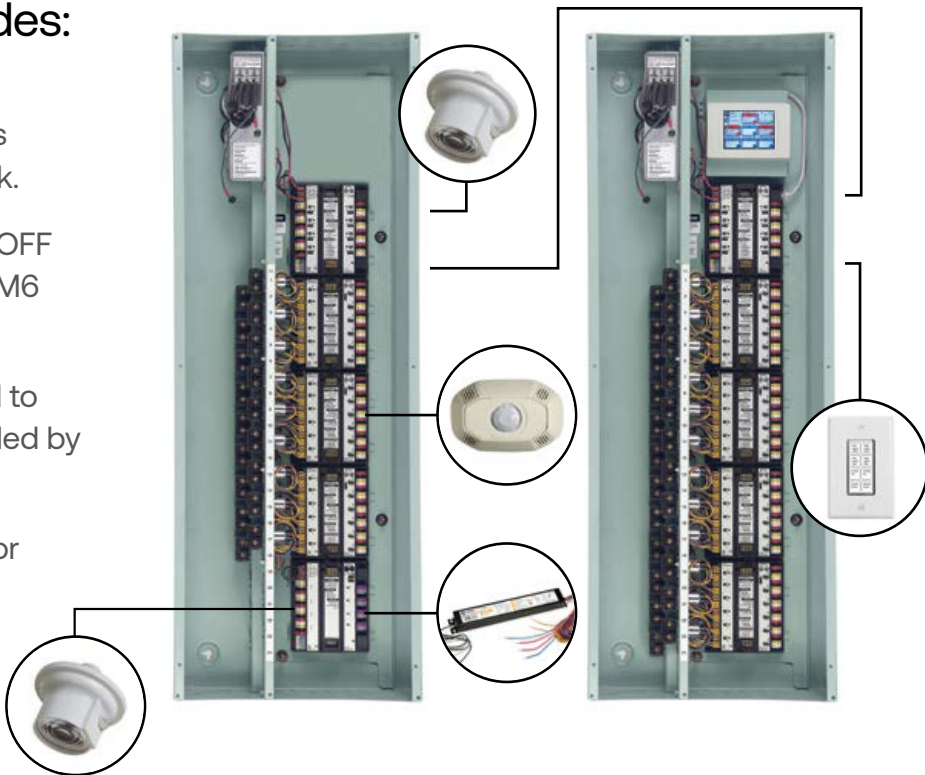
Typical Box Store includes:

- Relay panels controlled by EMS using dry contacts.
- Multiple panels connected together can use a single GSM8 to interface to EMS.
- The system uses push buttons to connect of any number of relays in any panel in the network to a switch input.
- The inputs accommodate 2 or 3-wires maintained or momentary contacts.



Small to Medium Office includes:

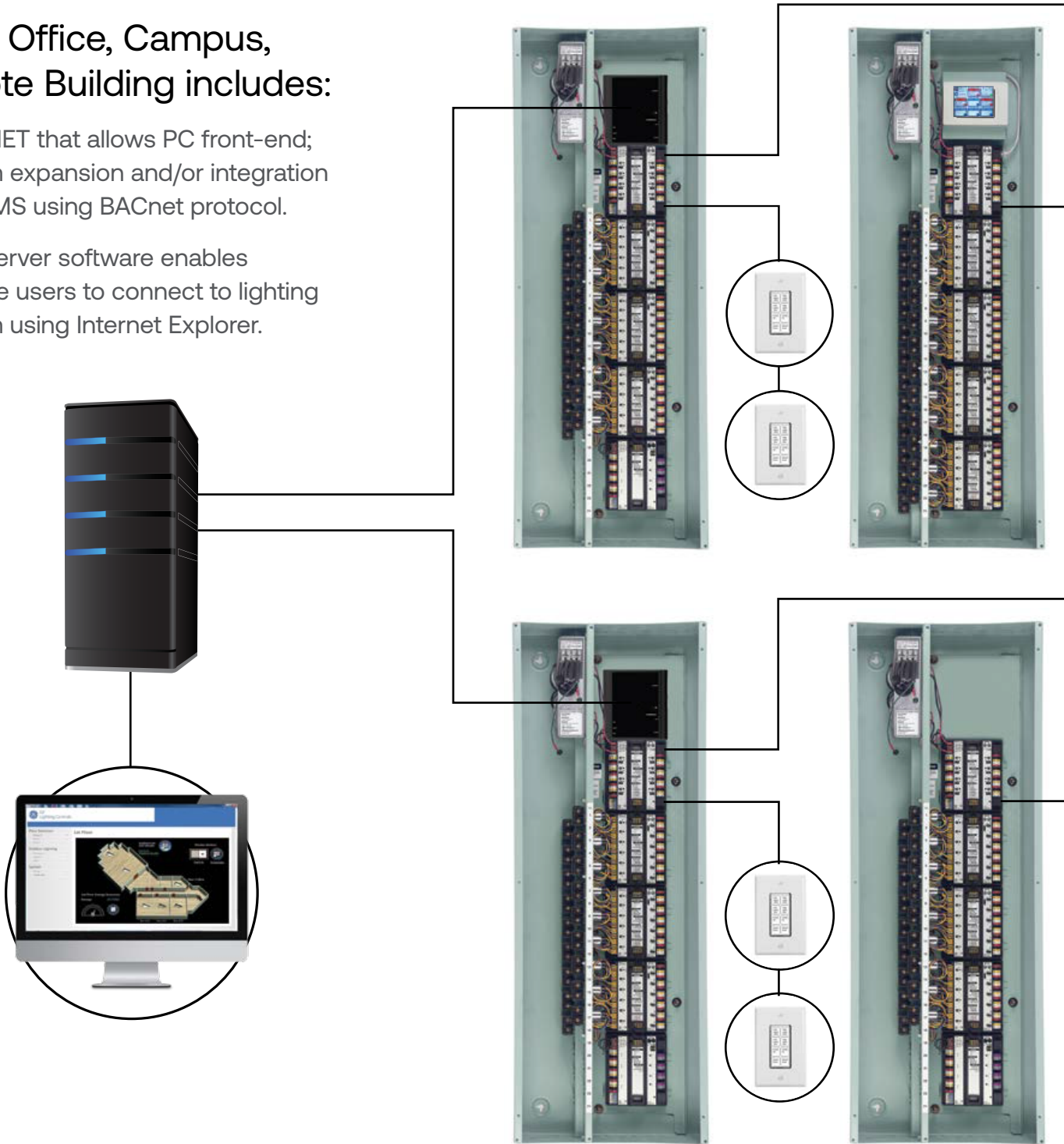
- Touch-screen dataline scheduler that enhances system functionality and allows programming of all devices in the network.
- Dataline programmable switch turns ON/OFF and dims scenes. Allows using the CLCRM6 relay modules without switch inputs.
- Photocell and motion sensors connected to system inputs that can be enabled/disabled by time schedules.
- Dimming module for daylight harvesting or scene control. Dimming scenes can be programmed through dataline switches or programmable inputs of the CLCGSM8 module.



Solutions

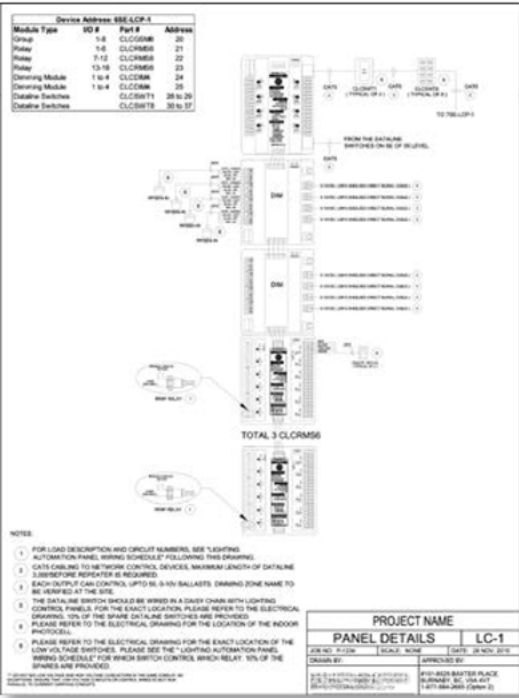
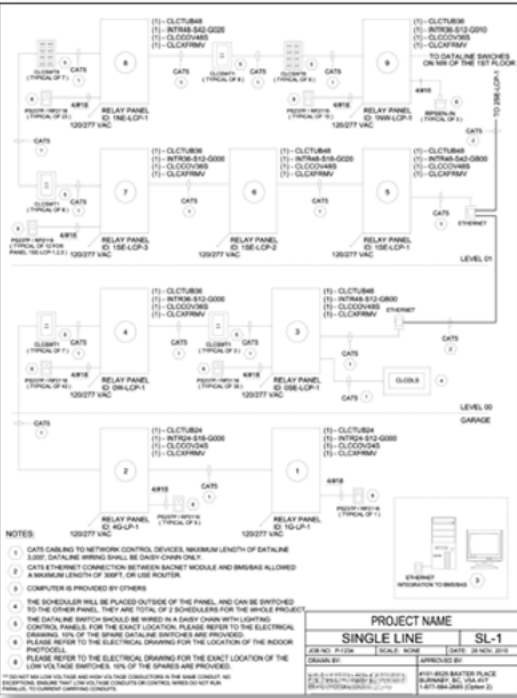
Large Office, Campus, Remote Building includes:

- CLCBNET that allows PC front-end; system expansion and/or integration with EMS using BACnet protocol.
- Web server software enables multiple users to connect to lighting system using Internet Explorer.



Engineering Expertise

Current experts are available with an array of customized engineering and technical support for the set-up and life of your system. Contact us at 1-877-584-2685 for more details.



- Engineering drawings.
- Programming package for LightSweep™.
- Authorized Technician to perform system checkout.

- Owners Training for Systems.
- Custom Graphic Screens.
- Toll Free technical support for the life of the product.



Ordering

Easy Ordering

Our ordering system is simple, two examples are below.

Relay Interior Part Numbers

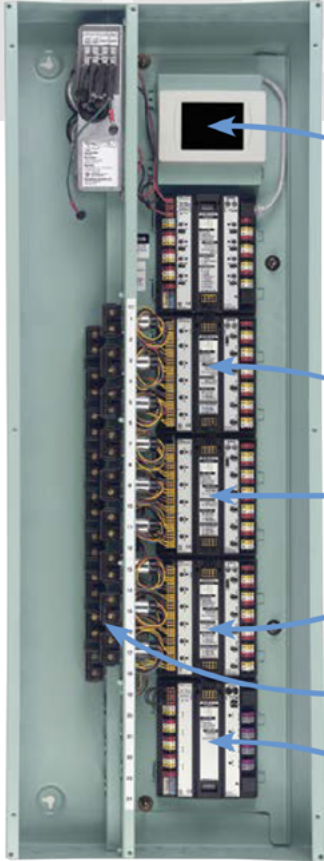
Interior Capacity	Installed Options					
	Switch Inputs	Number Relays	Power Module	BACnet	Dim*	Time-Clock
<input type="radio"/> INTR12 <input type="radio"/> INTR24 <input type="radio"/> INTR36 <input checked="" type="radio"/> INTR48	<input type="radio"/> N-(no-inputs) <input checked="" type="radio"/> S-(inputs)	42 multiple of 6 to max of interior capacity	<input checked="" type="radio"/> G-(Group) <input type="radio"/> P-(Injector) <input type="radio"/> N/A*	<input checked="" type="radio"/> B	1 (No. Mods)	<input type="radio"/> S

* Check interior submittal sheet for maximum number of dim modules.
* Power Module not required if Dimming module installed in panel.
Part Number Example: INTR48-S42-GB10

Dimming Interior Part Numbers

Interior Capacity	Installed Options		
	Dim*	BACnet*	Time-Clock
<input type="radio"/> INTD12 <input checked="" type="radio"/> INTD24	4 (No. Mods)	<input type="radio"/> B	<input checked="" type="radio"/> S

* Check interior submittal sheet for maximum number of dim modules.
* BACnet Controller available in 24 capacity interior only.
Part Number Example: INTD24-000-004S



Maximum Number of Relays	48	36	24	12
Number of Modules	10	8	6	3
Number of Transformers (50 VA)	2	2	2	2
Cabinet Width (rough dimensions)	14"	14"	14"	14"
Cabinet Height	60"	60"	60"	60"
Cabinet Depth	4"	4"	4"	4"
Door - Flush	Y	Y	Y	Y
Door - Surface	Y	Y	Y	Y
Cover - Flush	N	N	N	N
Cover - Surface	N	N	N	N



ALBEO

ARIZE

DAINTREE WIRELESS CONTROLS

GTX

EVOLVE

IMMERSION

LIGHTGRID

LIGHTSWEEP

LUMINATION

TETRA

Current - GLI Brands

25825 Science Park
Beachwood, OH 44122

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(Rev 01/09/24)

LSP_LightSweep_brochure
