Solutions for Every Space

Crestron® simplifies commercial lighting control design, installation, and startup with the right products and systems that are specifically designed to work for the individual needs of each space in a building. Our process dramatically reduces the time required to complete each phase of a lighting control project and greatly improves efficiency and scalability.

With Crestron, lighting controls are specified with attention to the needs of each space, rather than the whole-building approach. This methodology eliminates the over-specification and unnecessary programming inherent in most lighting control systems. Each space is configured with the optimal control system, accessories, and nothing more.

Integration and Scalability

All Crestron Commercial Lighting Control systems can be networked together seamlessly and then integrated with Building Management Systems (BMS) and Property Management Systems (PMS).

Organizations can also easily monitor and manage AV equipment, room scheduling, lighting, shades, climate controls, and energy consumption from a single platform with the Crestron Fusion® enterprise management software.
Crestron Commercial Lighting Solutions

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  05  Wireless Lighting Control
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SpaceBuilder Lighting Systems

These systems enable you to specify an autonomous lighting control system, complete with all the necessary features and operations for a project. SpaceBuilder online tools help you quickly and easily find the system you need and then design the system according to the distinct needs of your space.

GLPAC SpaceBuilder System
An autonomous lighting control system, complete with all the necessary features and operations for any project

System Supports
- 4 to 8 zones of 0-10V dimming/switching; 100,000 cycle relays; built-in time clock
- Standalone or networkable configurations; shade and AV integration options
- Up to 4 keypads; up to 4 occupancy/vacancy and 4 daylight sensors
- Optional 7” color touch screen for advanced control
- Expansion for additional loads for 0-10V dimming/switching, phase control controlled receptacles (plug load control) and DMX via sACN
- Class 1 NEMA® enclosure for remote location

GLPP SpaceBuilder System
Effective and powerful lighting control for small-sized spaces with automation based on natural light and the presence of people within the space

System Supports
- 1-3 zones of 0-10V dimming/switching
- Standalone or networkable configurations
- Up to 3 keypads; up to 2 occupancy/vacancy and 1 daylight sensors
- Global and zone keypad options
- Expansion for controlled receptacles (plug load control)
- Class 1 NEMA enclosure for remote location

GLDALI SpaceBuilder System
Ideal for medium to large spaces that need flexibility to reconfigure zones, adjust color temperature, or control ambient and task lighting within the same space

System Supports
- 2 DALI output loops for up to two spaces; control for up to 128 fixtures; built-in time clock
- Standalone or networkable configurations; shade and AV integration options
- Up to 4 keypads; up to 4 occupancy/vacancy and 4 daylight sensors
- Optional 7” color touch screen for system setup and master control
- Expansion for additional loads for 0-10V dimming/switching, DALI, phase control or controlled receptacles (plug load control) and DMX via sACN
- Class 1 NEMA enclosure for remote location
GLIPACSW8 SpaceBuilder System
Perfect for spaces such as retail stores, small offices, parking garages, and service stations that typically require only ON/OFF switching

System Supports
- 8 to 40 zones of switching; built-in time clock
- Standalone or networkable configurations
- Up to 10 keypads; up to 10 vacancy and 10 daylight sensors; optional touch screen
- Class 1 NEMA enclosure for remote location

GLFLEX SpaceBuilder System
Ideal for medium to large spaces that need flexibility to control different load types, this system includes options such as touch screens, sensors, shades and AV integration

System Supports
- Up to 12 zones of 0-10V, switching or universal phase dimming; built in time clock
- Standalone or networkable configurations; shade and AV integration options
- Up to 4 keypads - 4 occupancy/vacancy sensors and 4 daylight sensors
- Optional 7” color Touch Screen for advanced control
- Plug load control
- Class 1 NEMA enclosure for remote locations

GLILUX SpaceBuilder System
A complete, integrated lighting system designed for wall mount installation in boardrooms, auditoriums, or anywhere versatile and cost-effective control of lighting, AV, and shades is required

System Supports
- 6 zones of dimming/switching
- Standalone or networkable configurations; shade and AV integration options
- Up to 4 keypads; up to 2 occupancy/vacancy and 2 daylight sensors
- Expansion for additional loads for 0-10V switching, 3-wire fluorescent, phase control or controlled receptacles (plug load control)

GLDMX SpaceBuilder System
Best suited for controlling DMX lighting typically needed in lobbies, exteriors, banquet halls, restaurants, and other entertainment venues like medium-sized theaters and auditoriums

System Supports
- 1 DMX512 universe; control for theatrical and architectural lighting; advanced DMX control
- Standalone or networkable configurations; AV integration options
- Up to 4 keypads; up to 4 occupancy/vacancy and 4 daylight sensors
- Optional 7”, 10”, or 20” color touch screen for advanced control
- Expansion for emergency or additional loads for 0-10V switching, phase control or controlled receptacles (plug load control)
- Class 1 NEMA enclosure for remote location
GLPHASE SpaceBuilder System
Best for medium-sized spaces that require additional options, such as expansion modules for more load types, touch screens, additional sensors, and shade and AV integration

System Supports
- 4 to 16 zones of forward and reverse phase dimming; built-in time clock
- Standalone or networkable configurations; shade and AV integration options
- Up to 4 keypads; up to 4 occupancy/vacancy and 4 daylight sensors
- Optional 7” color touch screen for advanced control
- Expansion for additional loads, receptacles (plug load control) and DMX via sACN
- Class 1 NEMA enclosure for remote location

GLPYNG SpaceBuilder System
A unique wireless lighting control system for small- and medium-sized spaces that require retrofit dimmers, switches, plug loads, and thermostat control that can be set up and operated from an iPad® and Crestron Pyng® app

System Supports
- Up to 200 wireless devices; control for theatrical and architectural lighting
- Forward- and reverse-phase, 0-10V, switched non-dim
- Up to 4 wireless occupancy/vacancy and 4 wireless daylight sensors
- Ships with 10” touch screen
- Expansion for HVAC integration; expansion for controlled receptacles (plug load control)

GLNET SpaceBuilder System
A system designed for centralized monitoring, management, and master control by integrating multiple systems into a single enterprise

System Supports
- Up to 200 Ethernet connected SpaceBuilder systems
- Up to 100 Cresnet® connected SpaceBuilder systems
- Optional built-in distribution for 16, 32, or 48 Ethernet connected systems and up to 100 Cresnet connected SpaceBuilder systems
- BMS integration via BACnet
- Crestron Fusion integration

GLNET GLDIST SpaceBuilder System
An optional distribution system for any SpaceBuilder design wherein the GLDIST acts as the hub for the GLNET system, offering the ability to centrally manage wire runs and system configuration and to expand support for additional Cresnet and Ethernet spaces

System Supports
- Optional built-in distribution for 16, 32, or 48 Ethernet connected systems
- Up to 100 Cresnet connected SpaceBuilder systems
GLNET LITE
A system designed for centralized monitoring, management, and master control by integrating multiple systems into a single enterprise

Features
Up to 9 Ethernet spaces; up to 50 Cresnet spaces; built in time clock; distribution built in
BMS Integration via BACnet (requires additional programming)
Crestron Fusion integration (requires additional programming)

DALI Lighting Control

DALI Controller
DIN-DALI-2 | 2 Channel DALI Controller

Features
Interfaces with up to 2 independent DALI loops; controls up to 128 DALI ballasts or drivers*
Cresnet or PoE communications for single-wire installation
Integrated DALI power supply and easy setup with Crestron commissioning tool
Override input
9 DIN-unit wide DIN rail mounting

Wireless Lighting Control

Crestron Green Light® Power Pack
GLPP Wireless Switches with inﬁNET EX® connectivity
GLPP-SWEX | 1 channel
GLPP-SW2EX | 2 channel
GLPP-SW3EX | 3 channel

GLPP Wireless 0-10V Dimmers with inﬁNET EX and Power Monitoring
GLPP-DIMFLVEX-PM | 1 channel
GLPP-DIMFLV2EX-PM | 2 channel
GLPP-DIMFLV3EX-PM | 3 channel

Features
Standalone room controller; works in 120-277 VAC systems
Wired or wireless link to central Crestron system; ideal for new construction or retrofits
1, 2, and 3 channel models available; switched and 0-10V dimming models available
Integrates with occupancy sensor and photosensor
Supports up to two remote keypads; easy wiring using existing switch-loop wiring
Optional handheld commissioning remote (for daily use)
Real-time energy monitoring on select models; adaptive zero-cross switching for extended life
Seamless integration with Crestron AV systems
Wireless Gateway
CEN-GWEXER | Wireless Gateway

Features
Connects any infiNET EX or ER device to control system
100 devices supported; 150 ft indoor range
Wi-Fi® network friendly channel assignment; Cresnet or Ethernet communication
PoE compatible

CLW Wireless Dimmers
CLW-DIMEX-P | CLW-DIMEX-E | CLW-DIMSWEX-P | CLW-DIMSWEX-E
CLW-DIMFLVEX-P* | CLW-DIMFLVEX-230-P* | CLW-DIMFLVEX-277-P*

Features
Available in Incandescent, MLV, ELV, 0-10V and switching variants
120V, 230V, 277V versions available
120V supports 3-way dimming and switching
Configurable button options; field replaceable and engravable buttons
Wireless connection to Crestron systems
Ideal for new construction or retrofits
Available in 12 colors & finishes
* 0-10V fluorescent ballast and LED driver dimming control

Architectural Switching and Dimming

Green Light Power Switching Cabinets
GLPS Series

Features
120 and 227V switching; 0-10V dimming and switching
12, 30, or 42 circuits per cabinet
Integrated branch circuit breakers; optional main circuit breaker
Field-replaceable lighting modules; optional access door for local control
System designed by Crestron; factory assembled and tested
UL924 listed (emergency power equipment)
## High-Inrush Switch Modules

**GLXP-HSW8 | 8 Channel Module**

**GLXP-HSW12 | 12 Channel Module**

### Features
- 8 or 12 channels of high-inrush power switching; rugged, high-current latching relays.
- Supports 100 to 277V applications; 16 Amp, 1 HP load rating per channel.
- Positive air gap at each output; each channel phase-independent.
- Cresnet communications; redundant power; local controls for testing/verification.
- Local and remote override; non-volatile power failure memory; GLEP cabinet installation.

## Switch Modules

**GLXP-SW10 | 10 Channel Module**

**GLXP-SW16 | 16 Channel Module**

### Features
- 10 or 16 channels of power switching; mechanically-latching relays.
- Supports 100 to 227V applications; 16 Amp, 1 HP load rating per channel.
- Positive air gap at each output; each channel phase-independent.
- Cresnet communications; redundant power; local controls for testing/verification.
- Local and remote override; non-volatile power failure memory; GLEP cabinet installation.

## Fluorescent and LED Dimmer Module

**GLXP-DIMFLV8 | 8 Channel Module**

### Features
- 8 channels of 4-wire, 0-10V dimming; allows switching of lighting and motors.
- Supports 100 to 277V applications; 16 Amp load rating per channel.
- Positive air gap at each output; each channel phase-independent.
- Cresnet communications; redundant power; local controls for testing/verification.
- Local and remote override; non-volatile power failure memory; GLEP cabinet installation.

## Architectural Dimming Cabinets

**GLPD Series**

### Features
- 120 or 277V dimming and switching.
- 0-10V dimming control modules available.
- 30, 42, or 60 circuits per cabinet; available to fit 2, 4, 6, 8, and 12 GLX modules.
- Integrated branch circuit breakers; optional main circuit breaker.
- “Feed-through” cabinets available; field-replaceable lighting modules.
- System designed by Crestron; factory assembled and tested.
- UL924 listed (emergency power equipment).
- Incandescent, forward- and reverse-phase dimming.
Dimmer Module
GLX-DIM6 | 6 Channel Module

Features
- 6 channels of incandescent, MLV, and 2- and 3-wire fluorescent dimming
- Eliminates lamp flicker; selectable non-dim mode
- Supports 100 to 277V applications; 16 Amp load rating per channel
- Short circuit and overload protection; positive air gap at each output
- Cresnet communications; redundant power; local controls for testing/verification
- Local and remote override; non-volatile power failure memory; GLE cabinet installation

High-Inrush Switch Module
GLX-HSW8 | 8 Channel Module

Features
- 8 channels of high-inrush power switching; rugged, high-current latching relays
- Supports 100 to 277V applications; 16 Amp, 1 HP load rating per channel
- Short circuit and overload protection; positive air gap at each output
- Cresnet communications; redundant power; local controls for testing/verification
- Local and remote override; non-volatile power failure memory; GLE cabinet installation

Fluorescent and LED Dimmer Module
GLX-DIMFLV | 8 Channel Module

Features
- 8 channels of 4-wire, 0-10V dimming; allows switching of motors/lighting
- Supports 100 to 277V applications; 16 Amp load rating per channel
- Short circuit and overload protection; positive air gap at each output
- Cresnet communications; redundant power; local controls for testing/verification
- Local and remote override; non-volatile power failure memory; GLE cabinet installation
## Green Light Express® Dimming and Switching Cabinets

**GLPX Series**

**Features**
- 120 or 227V dimming and switching; up to 56 circuits per cabinet
- Fits GLXP-LP or GLXX modules; “Feed-through” wiring; field-replaceable modules
- System designed by Crestron; factory assembled and tested
- Two-stage installation optional (rough-in enclosure and lay-in panel)

### Switch Modules

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Channels</th>
</tr>
</thead>
<tbody>
<tr>
<td>GLXX-SW8</td>
<td>8 Channel Module</td>
<td>GLXX-SW16</td>
</tr>
</tbody>
</table>

**Features**
- High-current power switching; mechanically latching relays
- Supports 100-227V applications; 16 Amp, 1 HP load rating per channel
- Positive air gap at each output; phase-independent channels
- Local controls for testing and verification

### Heavy Duty Switch Module

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Channels</th>
</tr>
</thead>
<tbody>
<tr>
<td>GLXX-HDSW8</td>
<td>8 Channel Module</td>
<td>GLXX-HDSW16</td>
</tr>
</tbody>
</table>

**Features**
- Heavy duty power switching; modular design allows relays when needed
- Supports up to 480V and 2-pole motor loads; 20 Amp, 1.5 HP load rating per channel
- Positive air gap at each output; uses GLR-HD-1P or GLR-HD-2P modular relays

### Dimmer Module

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>GLXX-2DIM8</td>
<td>8 Channel Module</td>
</tr>
</tbody>
</table>

**Features**
- 8 channels of incandescent, MLV, and 2- and 3-wire fluorescent dimming
- Eliminates lamp flicker; selectable non-dim mode
- 16 Amp rating for each set of 4 channels; short-circuit and overload protection
- Cresnet communications; local controls for testing and verification

### Control Module

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>GLXX-CTRL</td>
<td>8 Channel Module</td>
</tr>
</tbody>
</table>

**Features**
- Controls up to 56 loads; interfaces with GLXX modules
- Local controls for testing and verification; local and remote override capabilities
- Non-volatile power failure memory
- Cresnet communications
CAEN Enclosures and Modules

Automation Enclosures

| CAEN-2X1 | CAEN-2X1 | CAEN-4X1 | CAEN-4X2 | CAEN-7X1 | CAEN-7X2 | CAEN-MLO |

Features

- Modular enclosures for CLX Series lighting modules; 120V and 227V options
- UMP universal mounting plates to accommodate additional devices
- CAEN models available in 6 sizes — over 100 possible circuits; clean, manageable installation
- Surface or flush wall-mount installation; centralized or distributed configurations
- Suited for voice and data, security, and RF signal distribution
- UL and UL-C listed; CAEN-MLO features integrated breaker panel

Dimmer Control Modules

| CLX-2DIM8 | CLX-1DIMU4 | CLX-2DIMU8 | CLX-2DIMU8-277 | CLX-2DIMFLV8* |

Features

- Complete range of forward- and reverse-phase dimmers
- Up to 8 controlled circuits per module
- Convection cooled for silent and reliable operation
- Built-in air gap relays on each output; override preset feature
- Separate terminal blocks allow termination of field wiring prior to module installation
- * 0-10V fluorescent ballast and LED driver dimming control; also available in 277V models

High-Inrush Switch Modules

| CLX-4HSW4 |

Features

- 120V high-inrush switching control
- Up to 4 controlled circuits per modules
- Convection cooled for silent and reliable operation
- Override preset feature
- Separate terminal blocks allow termination of field wiring prior to module installation

Motor and Fan Control Modules

| CLX-1MC4 | CLX-1FAN4 |

Features

- Motor and fan control modules
- Up to 4 controlled circuits per module
- Convection cooled for silent and reliable operation
- Override preset feature
- Separate terminal blocks allow termination of field wiring prior to module installation
## Enclosure for DIN Rail Devices

**DIN-EN-2X18 | DIN-EN-3X18 | DIN-EN-6X18**

**Features**
- Houses up to 18 DIN rail devices per panel
- Available in three sizes to accommodate two, three, or six DIN rails
- Removable front cover for easy access
- Third-party DIN rail devices are also suitable for mounting in this panel

## Universal Dimmer

**DIN-1DIMU4 | DIN Rail Universal Dimmer | DIN-1DIM4 | DIN Rail Dimmer**

**Features**
- 4 channels of forward- or reverse-phase dimming; auto load detection
- Supports 120 to 240V, 50/60 Hz operation; selectable non-dim mode
- Phase-synchronous detection circuitry; Short circuit and overload protection
- Crestron communications; master air-gap relay; override input
- Setup via front-panel or software; programmable functionality via DIN-AP3
- 12 DIN-unit wide rail mounting

## 0-10V Fluorescent and LED Dimmer

**DIN-4DIMFLV4 | DIN Rail 0-10V Fluorescent Dimmer**

**Features**
- 4 channels of 4-wire, 0-10V fluorescent and LED dimming
- Supports 120 to 240V, 50/60 Hz applications
- Crestron communications; override input
- Setup via front-panel or software; programmable functionality via DIN-AP3
- 9 DIN-unit wide rail mounting

## High-Voltage Switch

**DIN-8SW8 | DIN Rail High-Voltage Switch | DIN-8SW8-I | DIN Rail High-Voltage Switch with Digital Inputs**

**Features**
- 8 channels of power switching
- Supports 120 to 240V, 50/60 Hz applications
- 8 inputs for momentary, pushbutton keypads (DIN-8SW8-I only)
- Crestron communications; override input
- Setup via front-panel or software; programmable functionality via DIN-AP3
- 9 DIN-unit wide rail mounting
## Motor Control
**DIN-2MC2 | DIN Rail Motor Control**

<table>
<thead>
<tr>
<th>Features</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dual-channel, bidirectional motor control</td>
</tr>
<tr>
<td>Supports 120 to 240V, 50/60 Hz applications</td>
</tr>
<tr>
<td>Crestron communications; override input</td>
</tr>
<tr>
<td>Setup via front-panel or software; programmable functionality via DIN-AP3</td>
</tr>
<tr>
<td>6 DIN-unit wide rail mounting</td>
</tr>
</tbody>
</table>

## Analog Output Module
**DIN-A08 | DIN Rail Analog Output Module**

<table>
<thead>
<tr>
<th>Features</th>
</tr>
</thead>
<tbody>
<tr>
<td>8 0-10V analog output control ports</td>
</tr>
<tr>
<td>Interface for third-party lighting and heating/cooling</td>
</tr>
<tr>
<td>Programmable functionality via DIN-AP3</td>
</tr>
<tr>
<td>Crestron communications; override input</td>
</tr>
<tr>
<td>Setup via front-panel or software</td>
</tr>
<tr>
<td>6 DIN-unit wide rail mounting</td>
</tr>
</tbody>
</table>

## Versiport Module
**DIN-I08 | DIN Rail Versiport Module**

<table>
<thead>
<tr>
<th>Features</th>
</tr>
</thead>
<tbody>
<tr>
<td>8 Versiport I/O ports</td>
</tr>
<tr>
<td>Interface for third-party sensors, detectors, contact closures, and alarms</td>
</tr>
<tr>
<td>Programmable functionality via DIN-AP3</td>
</tr>
<tr>
<td>Crestron communications</td>
</tr>
<tr>
<td>6 DIN-unit wide rail mounting</td>
</tr>
</tbody>
</table>

## Cresnet Power Supply
**DIN-PWS50 | DIN Rail 50 Watt Cresnet Power Supply**

<table>
<thead>
<tr>
<th>Features</th>
</tr>
</thead>
<tbody>
<tr>
<td>50 Watt Cresnet power supply module; 3 Cresnet power ports</td>
</tr>
<tr>
<td>Power for the DIN-AP3 Automation Processor and other Cresnet devices</td>
</tr>
<tr>
<td>Cresnet data passes unaffected; dual line-power input terminals for daisy-chaining</td>
</tr>
<tr>
<td>6 DIN-unit wide rail mounting</td>
</tr>
</tbody>
</table>
Cresnet Distribution Block
DIN-BLOCK | DIN Rail Cresnet Distribution Block

Features
- 12-port Cresnet distribution block; split power bus for flexible 24V power distribution
- Detachable screw terminal blocks for easy termination and troubleshooting
- Diagnostic LEDs for network power and data; passive voice — no programming required
- 6 DIN-unit wide rail mounting

Cresnet Distribution Hub
DIN-HUB | DIN Rail Cresnet Distribution Block

Features
- 3-segment Cresnet hub for Cresnet networks with more than 20 devices
- Configurable power distribution; no programming required
- 6 DIN-unit wide rail mounting

Power Metering

Crestron Green Light Power Meter Control Unit
GLS-EM-MCU | Meter Control Unit

Features
- Power metering across 3 phases (main legs)
- Reports data to Crestron Fusion to monitor and log RMS voltage, current, and active power
- Up to 84 individual branch circuits for more detailed data
- Operable with 100-347V 2- and 3-phase systems
- Non-volatile memory reliably stores internally logged data
- Installation next to electrical panel

Crestron Green Light Current Transformer Interface for Branch Circuit Monitoring
GLS-EM-CTI | Current Transformer Interface

The GLS-EM-CTI is a current transformer interface designed for use with a GLS-EM-MCU Power Meter Control Unit. The GLS-EM-CTI current transformer interface, in conjunction with the main control unit, facilitates monitoring of multiple branch circuits. This allows users to monitor the power consumption of a particular area or device. The transformers are placed around the feed wire of each circuit and then connect to the interfaces. As many as four GLS-EM-CTI units can connect to a single GLS-EM-MCU power meter control unit for monitoring of up to 84 branch circuits.
Power Metering (Continued)

Crestron Green Light Current Transformers

<table>
<thead>
<tr>
<th>GLS-EM-CT-20A</th>
<th>20A Solid Core</th>
<th>GLS-EM-CT-50A</th>
<th>50A Solid Core</th>
</tr>
</thead>
<tbody>
<tr>
<td>GLS-EM-CT-200A</td>
<td>200A Split Core</td>
<td>GLS-EM-CT-400A</td>
<td>400A Split Core</td>
</tr>
<tr>
<td>GLS-EM-CT-600A</td>
<td>600A Split Core</td>
<td></td>
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</tr>
</tbody>
</table>

The GLS-EM-CT is a current transformer designed for use with a GLS-EM-MCU Power Meter Control Unit. Current transformers are vital to metering power. Crestron offers various split-core models that work with 200-, 400-, or 600-Amp feeds; these devices clamp around main feeds. Solid-core models exist for 20- and 50-Amp circuits; for these, the wire must be routed through the closed loop of the core.

Sensors

Dual-Technology Occupancy Sensor

<table>
<thead>
<tr>
<th>GLS-ODT-C-CN</th>
<th>GLS-ODT-C-NS</th>
</tr>
</thead>
</table>

Features

- 360 degrees, 2,000 sq. ft. of coverage; dual-technology motion detection
- Discreet, low-profile appearance; extremely accurate and reliable sensing
- Fully digital circuitry for low cost and high reliability; built-in ambient light recognition
- External photo sensor input eliminates the need for a sensor integration module
- 3-Series Control System® interface via Cresnet
- Ceiling-mount occupancy sensor; Grace occupancy period feature
- GLS-ODT-C-NS for use with standalone lighting system — Crestron control system

Passive Infrared Occupancy Sensor

<table>
<thead>
<tr>
<th>GLS-OIR-C-CN</th>
<th>GLS-OIR-C-NS</th>
</tr>
</thead>
</table>

Features

- Ceiling-mount occupancy sensor; passive infrared motion detection (no false triggers)
- 2,000 sq. ft. coverage; discreet, low-profile appearance
- Fully digital circuitry for low cost and high reliability; built-in ambient light recognition
- External photo sensor input eliminates the need for a GLS-SIM
- GLS-OIR-C-NS for use with standalone lighting system — Crestron control system
- 3-Series Control System interface via Cresnet (GLS-OIR-C-CN only)
- Grace occupancy period feature
### Wireless Occupancy Sensor
**GLS-OIR-CSM-EX-BATT**

**Features**
- Ceiling-mount occupancy sensor; passive infrared motion detection (no false triggers)
- Powered by 9V Lithium Ion battery for up to 10 years of life
- 500 sq. ft. coverage, 360 degree coverage
- Discreet, low-profile appearance
- 3-Series Control System integration via infiNET EX wireless network

### Photosensors
**GLS-LOL | Open-Loop**

**Features**
- Designed for open- or closed-loop daylight harvesting applications
- Versatile flush or surface mounting
- 0-10V analog control output
- 3-Series Control System interface via GLS-SIM or analog input

**GLS-LCL | Closed-Loop**

**Features**
- Designed for open- or closed-loop daylight harvesting applications
- Versatile flush or surface mounting
- 0-10V analog control output
- 3-Series Control System interface via GLS-SIM or analog input

### Exterior Photosensor
**GLS-LEXT | Open-Loop**

**Features**
- Wall-mount photosensor; measures the outdoor light levels
- Weatherproof with visor for protecting lens
- 0-10V analog control output
- 3-Series Control System interface via GLS-SIM or analog input

### Battery-Powered Photosensor
**GLS-LDL-EX-BATT**

**Features**
- Ceiling- or surface-mount daylight sensor
- Dual-loop for both open- and closed-loop daylight harvesting
- Powered by two Lithium Ion AAA batteries for up to 10 years
- Local button to calibrate the daylight harvesting system; LED display indicates status
- 3-Series Control System integration via infiNET EX wireless network
Sensors (Continued)

Cresnet Partition Sensor
GLS-PART-CN

Features
- Sleek, compact design; adjustable infrared beam for high accuracy
- Sensing distance of up to 4 feet
- Cresnet for power and communications
- Crestron control system integration via Cresnet
- Digital output provides either a 24V, 10 mA output or a closure to ground
- Visible LED display that indicates sensor status; surface mounting

Accessories

IR Remote for GLS-ODT-C-CN and GLS-OIR-C-CN Sensors
GLS-REMOTE-ODT/OIR

Features
- Complete setup functions and fine-tune sensor settings; eliminates need for ladder
- Adjust the sensitivity for vacancy and occupancy states separately
- Change settings for Timeout feature; enable or disable Walk-Through mode
- Turn LEDs ON/OFF during normal operation
- Set or change Cresnet ID; use force vacancy or factory reset

LED Drivers
GLD-LED-1X50W | 50W Dimmable LED Driver
GLD-LED-1X100W | 100W Dimmable LED Driver
GLD-LED-2X50W | 2 Channel 50W Dimmable LED Driver
GLD-LED-2X100W | 2 Channel 100W Dimmable LED Driver

Features
- DALI or 0-10V compatible
- Superior, smooth dimming* technology using a combination of duty-cycle and current dimming
- Smooth dimming from 100% to 0%; linear or logarithmic dimming curve
- High efficiency over a wide power and voltage range
- Programmable LED current per output
- Available in long- or short-case models

*Dimming results may vary based on lamps, operating conditions and ballast model.
## 3-Series Control System

**CP3N** | 3-Series Control System

**Features**

- 3-Series Control System; exclusive modular programming architecture
- Onboard 512MB RAM and 4GB Flash memory; expendable storage up to 1TB
- Rear panel memory card slot; high-speed USB 2.0 host port
- Industry-standard Ethernet and Cresnet wired communications
- Control subnet (dedicated local network for Crestron); XPanel with Smart Graphics™
- Crestron Fusion support; SNMP support; iPhone®, iPad, and Android™ control app support
- 1 RS-232/422/485 CIM port with hardware and software handshaking
- 2 RS-232 COM ports with software handshaking only
- 8 IR/serial, 8 relay, and 8 Versiport I/O ports; native BACnet support
- Installer setup via Crestron Toolbox™ software or Internet Explorer®
- Backwards compatible to run existing SIMPL programs; full Unicode (multi-language)
- Increased network throughput and security
- Secure access through Active Directory integration or standalone account management
- Hardware level security using 802.1x authentication; IIS v.6.0 Web Server, IPv6 ready
- Front panel USB computer console port; 1-space rack-mountable

## 3-Series Control System

**DIN-AP3** | DIN Rail 3-Series Control System

**DIN-AP3-MEX** | DIN Rail 3-Series Control System with wireless infiNET EX

**Features**

- MMC memory expansion card slot; Cresnet port (master/slave selectable)
- 10/100 Ethernet, SSL encryption, e-Control, SNMP, and Crestron Fusion support
- 2 bidirectional RS-232 COM ports; 4 IR/serial ports
- 8 Versiport I/O ports; 4 low-voltage relay ports
- Configurable via Crestron D3 Pro software
- 9 DIN-unit wide DIN rail mounting
- Same benefits as all of our 3-Series® control systems including native BACnet support

**NOTE:** For additional control systems, see GLNET and GLDIST SystemBuilder Systems on page 4.
Cameo Keypads

Standardize on the Cameo style with Cameo keypads throughout the home. Complement in-wall dimmers and switches with audio control or use them for centralized lighting control applications.

Cameo Dimmers and Switches

Crestron Cameo in-wall dimmers and switches model the popular, modern look of Cameo keypads. Available in various button layouts and designer colors, the Cameo dimmers and switches are incredibly versatile. Button caps can be swapped in the field, making it easy to change the engraving or color. Crestron and infiNET EX technologies bring proven reliability to both wired and wireless versions. The combination dimmer/switch and fan controller/switch make the most of a single-gang installation, affording great opportunities to both new and retrofit projects. Because the look is the same as Cameo keypads, seamless combination of in-wall lighting control with centralized lighting control is achieved beautifully.

Cameo Keypad, Dimmer, and Switch Model Cross Reference Table

<table>
<thead>
<tr>
<th>Cameo Keypads</th>
<th>Cameo Dimmers and Switches</th>
</tr>
</thead>
<tbody>
<tr>
<td>US</td>
<td>Flush Mount</td>
</tr>
<tr>
<td>C2N-CBD-P</td>
<td>INET-CBDEX-P</td>
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</tbody>
</table>

**Communication**
- Wired
- Wireless

**Rating**
<table>
<thead>
<tr>
<th>Load Rating</th>
<th>Operating Voltage</th>
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<td>24 VDC</td>
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<tr>
<td>120 VAC</td>
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<td>24 VDC</td>
<td>230 VAC</td>
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<tr>
<td>230 VAC</td>
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<tr>
<td>227 VAC</td>
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<td>230 VAC</td>
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**LED**
<table>
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**Button Options**
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<th>Rocker Switch</th>
<th>Max Buttons</th>
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<td>*</td>
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**Available Colors**
<table>
<thead>
<tr>
<th>Designer Colors</th>
<th>White, Almond, &amp; Black Smooth</th>
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<tr>
<td>*</td>
<td>White, Almond &amp; Black Textured Only</td>
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<table>
<thead>
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<th>Designer Colors</th>
<th>White, Almond, &amp; Black Smooth</th>
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</table>
Cameo Keypads

Cameo Standard Mount

Available in Wired or Wireless Keypads

Features

- Occupancy and photosensor input (wired only)
- Customizable backlit button engraving
- White pinhole LED indicators

Cameo Standard Mount | Ascent™ Solid Metal Faceplates

Wired Keypads

Features

- Solid metal designer faceplates for Cameo keypads
- Choice of 6 luxurious colors and finishes
- Crestron suggests using textured black buttons with all Ascent finishes; however, any color button(s) may be used
Cameo Keypads (Continued)

Cameo Flush Mount
Available in Wired or Wireless Keypads

Features
- Occupancy and photosensor input (wired only)
- Customizable backlit button engraving
- White pinhole LED indicators

Cameo Flush Mount | Ascent Solid Metal Faceplates
Wired Keypads

Features
- Solid metal designer faceplates for Cameo keypads
- Choice of 6 luxurious colors and finishes
- Crestron suggests using textured black buttons with all Ascent finishes; however, any color button(s) may be used
Cameo Dimmers and Switches

Cameo Dimmers
Available in Wired or Wireless Keypads

Features
Configurable for up to 4 field-replaceable and engravable buttons
infiNET EX robust wireless communication; available in all designer colors

Cameo Switches
Available in Wired or Wireless Keypads

Features
Configurable for up to 2 field-replaceable and engravable buttons
infiNET EX robust wireless communication; available in all designer colors
Cameo Dimmers and Switches (Continued)

Cameo Wireless Dimmer/Switch Combos
Available in Wired or Wireless Keypads

Features
Configurable for up to 4 field-replaceable and engravable buttons
infiNET EX robust wireless communication
Available in all designer colors

Cameo Wireless Dimmer/Switch Combos

- Black smooth/textured 1" Rocker Switch
- Almond smooth/textured 1" Rocker Switch
- Gray smooth 2 Button
- Latte textured 2 Button
- Dusk textured 3 Button
- Ivory smooth 3 Button
- Dark Almond smooth 4 Button
- Brown smooth 4 Button
- White smooth/textured 4 Button

Cameo In-Wall Remote Dimmer/Switches

Features
Field-replaceable and engravable buttons
Available in all designer colors

Cameo In-Wall Remote Dimmer/Switches

- Black smooth/textured 1" Rocker Switch
- Almond smooth/textured 1" Rocker Switch
- Gray smooth/textured 1" Rocker Switch
- Latte smooth/textured 1 Rocker Switch
- Dusk textured 2 Button
- Ivory Smooth 2 Button
- Dark Almond smooth 2 Button
- Brown smooth 2 Button
- White smooth/textured 2 Button
Tabletop Controllers

Wireless Tabletop Keypads

HTT-B2EX-BATT  HTT-B10EX

System Supports

Stylish wireless pushbutton controller; available in black or white
infiNET EX robust wireless communication
HTT-B2EX-BATT is battery powered

White
2 Button

Black
10 Button

International Keypads

Available in Wired or Wireless Keypads

Features

Versatile combinations of 4, 5, or 6 pushbuttons
Available in almond, black, or white; optional Architectural Series faceplate
Crestron touch screens streamline, simplify, and enhance lighting control in any space or throughout the building. Replace banks of dimmers and switches on the wall with a single, intuitive UI. Adjust individual loads, create and recall preset lighting scenes, centrally monitor and control lighting in different rooms and floors, or turn off all lights in the building right from the touch screen. No other lighting control platform offers this uniquely powerful, flexible, and simple user experience.

**Touch Screens**

**Available Options**

- 5", 7", or 10" screen sizes
- Black or white bezel
- Wall or tabletop mounting hardware

**Tabletop Docking Station for iPad**

**Handheld Screens**

Crestron Apps for iPhone, iPad, and Android devices
Crestron Fusion

Crestron Fusion integrated enterprise management software provides the information you need to optimize your biggest investments: people, spaces, and technology. It enables you to monitor and manage lighting, shades, energy consumption, AV devices, room scheduling, and more across the enterprise, all on a robust, scalable platform that can be customized to meet your specific needs. Managers can use Crestron Fusion to streamline help desk operations and perform preventative maintenance on devices, ensuring maximum uptime and productivity. It also provides valuable analytics and reports real-time and historical resource usage, enabling organizations to make intelligent space-utilization and energy-saving decisions.

Crestron integrates systems and technologies that typically operate in silos so they work together as a single system. Audio, video, voice and data, lighting, security, digital signage, BMS, shades, and HVAC systems can be centrally monitored, managed, and controlled. Crestron software adds a layer of intelligence that turns an organization into an Intelligent Enterprise.

For more information, please visit crestron.com/fusion.