

# iLight Product Catalogue

English - Issue 7.0



**EATON**

*Powering Business Worldwide*

# iLight Lighting Controls

Creatively translating our clients' lighting visions into reality is at the heart of what we do.



The intelligence and breadth of our product range is extensive; from powerful yet easy to use software, to elegant control panels and a range of source controllers to dim and control all load types and save energy. What's more, as our products are both practical and upgradeable, they are easy to install and economical to own.

For more than 40 years our staff have led the way setting exacting standards of service. We pride ourselves on providing rapid response to enquiries, detailed quotations and AutoCAD system drawings as well as our helpful

customer support, experienced commissioning teams and flexible 24 hour maintenance contracts to complete the equation.

iLight control products can be found in any environment where pre-programmed or timed lighting control is required. There are a huge variety of applications including hotels, restaurants, retail shopping developments, places of worship, conference centres, office buildings, ocean liners, theme parks, 'smart' homes and more.



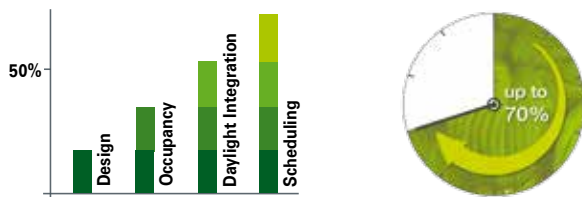
## Eaton's Cooper Controls Business

Eaton's Cooper Controls Business is a specialist lighting controls manufacturer with more than 40 years of operational expertise in the design, supply and support of lighting control systems in the architectural, entertainment and energy saving markets. Our focus is to deliver innovation, reliability and flexibility through our portfolio of industry leading systems including iLight Series, Zero 88 Series and Greengate Series.

### Lighting Controls Code Compliance

- Improves BREEAM & LEED scoring for building sustainability.
- Contributes to energy reduction targets under Climate Change Levy (CCL) and Carbon Reduction Commitment (CRC).
- Qualifies for Enhanced Capital Allowance (ECA) applications.
- Delivers lighting control requirements under UK Building Regs - L2a & L2b and BRE: 498.

### Achievable Energy Savings



Our combined strength enables us to look at the world through a larger lens, to see more possibilities and better opportunities. Enabling you to more efficiently manage energy consumption, increase uptime and lower costs - while keeping personnel, equipment and data safe.

Today's Eaton is building on a legacy of innovation in product design and manufacturing processes to bring you holistic solutions to your most critical power management challenges. We're drawing a history of over 100 years of electrical power management expertise to create technology platforms that help accelerate the pace of new construction; modernize aging infrastructure; manage energy consumption; protect people, equipment and data.

We want to work closely with you to understand and solve the challenges you face today and those that may come tomorrow.

## Our Product Series



### iLight Series

Global offering of architectural lighting control systems designed to create stunning visual impact and atmosphere in hospitality, restaurant, retail, residential, commercial & exterior applications.

- Intuitive user interfaces
- Scalable network with distributed intelligence
- Dimming and switching of all load types

[www.ilight.co.uk](http://www.ilight.co.uk)



### Greengate Series

Global offering of energy management lighting controls for commercial and industrial applications for both the 230V & 110V markets.

- Flexible, scalable lighting control networks
- Occupancy sensors
- Daylight harvesting

[www.greengatecontrols.co.uk](http://www.greengatecontrols.co.uk)



### Cogent Series

Comprehensive range of single and colour changing LED luminaires including high quality downlights, wall lights, ground lights, flexible & modular strip systems.

- Wide range of LED systems
- Drivers and controls included
- Custom solutions

[www.cogentlighting.com](http://www.cogentlighting.com)



### Zero 88 Series

Entertainment lighting control equipment and software for theatrical and performance applications around the world.

- Lighting consoles and dimming racks
- Colour changing LED controls
- Control of moving and effect lighting

[www.zero88.com](http://www.zero88.com)

# The iLight Product Range

iLight's range of control products have been carefully designed to meet the needs of all people involved with a project including lighting and interior designers, installers and the final users of the system.



## Design

We relish working with creative teams during the design phase. The exhaustive choice of products and peripherals within the iLight range can enhance the design process. The iLight range includes a comprehensive selection of source controllers that can control virtually any light source including LED, resistive, capacitive and inductive loads, fluorescent 0-10V, DALI and DSI, cold cathode, neon, DMX512 and switched loads.

## Installation

For those installing our products we have worked hard to ensure that they are straight forward and easy to install. The iLight network is connected using readily available network cabling and uses the extremely robust 'CANbus' protocol for communicating network messages.

Distributed intelligence across the range also means that the system is easily scalable and unlike many alternative systems, is not reliant on a single central processor.

## Enjoy

At the front end of the system we offer a wide choice of user interfaces in a variety of styles and finishes to match in with individual tastes or themes. Cooper Controls offers a custom service for generating bespoke control panels. Our cost effective LCD colour touchscreens can import graphics, logo's or 3D building plans to create unique designs.

## Peace of Mind

When installed, operated and maintained correctly, the iLight product range is designed to be durable and reliable. We take our CE compliance very seriously, utilising both in-house and independent test houses to ensure we comply. Cooper Controls is ISO9001:2008 accredited and we offer a 30 month warranty on all of our products when using an iLight trained installer.

# Integration

**The iLight network, products and associated accessories are designed to offer comprehensive, flexible and cost effective solutions for both lighting and integrated control systems. Our products offer a range of connectivity options and specialist features to ensure we can seamlessly integrate with third party equipment and control systems.**

## Architainment

The iLight network backbone can be built up over many kilometres, employing over 65,000 devices and where required, can interface with Ethernet networks (via cable or wireless). Entertainment 'show' control from DMX512 controllers, source controllers and control of intelligent fixtures or LED arrays are all part of the package. Integration with a wide variety of devices is possible, from MIDI, Radio Modems, RS232, RS485 as well as analogue voltage controls.

## Residential

Smart Home owners increasingly expect fully integrated controls in their homes. With iLight's scalable solutions, control of lighting, motorised curtains & blinds, audio visual, heating, integration with security systems and water features are all part of our offering. Bespoke colour LCD touchscreen controllers, provide the ideal interface to control any system in the home.

Where integration is needed with AV systems such as Crestron or AMX, iLight offers a number of choices for efficient two way communication.

## Commercial

When iLight lighting controls are the system of choice for the board room, meeting rooms, entrance halls, lifts, lobbies and exteriors, these can be effectively integrated with the building management systems, fire alarms and security.

iLight offers a range of options from simple dry loop contact closure interfaces through to bespoke hardware and software integration. Standards employed include Ethernet, CAN, RS232, RS485 and BACnet. In addition to this we offer a range of smart and programmable interface devices some with sequencing and programmable logic control.



# User Interfaces

iLight user interfaces are flexible, powerful and easy to use. The simplicity of one button push hides the intelligence and sophistication of the iLight control system behind it; no matter how complex the change.







A single button may instigate a series of timed events, colour changes or dynamic effects, or simply select pre-set levels and scenes to make great lighting design repeatable time after time.

Panels may be configured to match virtually any specification or finish. Touchscreens extend control capabilities with custom graphics and multiple pages to deliver against the most demanding customer requirement. All standard panels are supplied pre-loaded with a basic program for immediate use and to allow on-site testing prior to commissioning.

iLight control panels also integrate with Audio Visual and Building Management Systems for an elegant, seamless building wide control solution.



# User Interfaces

## Sencia



Sencia Series is a new range of highly refined control panels designed for good looks and flexibility.

Text legends are backlit, with text or graphic legends etched into them. The ultraflush buttons are individually dimmable to user requirements. Day mode provides clear illumination whilst night mode dims buttons down to a soft non invasive light level. As well as a wide range of standard button legends, custom text and graphics can also be provided.

Buttons come in four sizes which can be used to populate either single or double column plate formats. A maximum of 12 single height buttons can be used where multiple scene control is required. Alternatively double height buttons could be used to differentiate blind control functions.

With white illumination as standard, button caps can also be removed to insert a colour filter to change the button colours to one of 6 standards hues.

Sencia control panels are available in a range of high quality metal finishes including, Brushed Stainless Steel, Bright Chrome, Polished Brass and White with other finishes available on special order.

### Key Features

- Up to 14 configurable push buttons with integral LED backlighting on a single gang panel.
- Integral programming point.
- Fully configurable functionality including room joining, sequencing and programmable logic functions.
- Flash memory for future proof upgradeability.
- Variable fade times programmable from 0.1 seconds to 60 minutes per button.
- Dimensions: 86mm (h) x 86mm (w).
- Compatible with both standard UK back box (35mm) and European back box (40mm).
- 12Vdc powered direct from iLight network.

### Any button can be configured to one of the following:

- Scene selection.
- 16 Sequences with up to 128 steps per sequence.
- Scene Raise / Lower.
- Channel Raise / Lower.
- Toggle On / Off, toggle Raise / Lower.
- True off.
- Open / Stop / Close (for curtains & blinds).
- Raise / Lower (motorised screens/blinds)
- Start / Pause / Stop a sequence.

### Choice of button sizes



### Custom Backlit Button Engraving Examples





## Kensington

Kensington control panels are designed for discretion and simplicity with panels featuring white LEDs and contemporary looks. Panels are available in a range of high quality metal finishes including, Brushed Stainless Steel, Bright Chrome, Polished Brass and White with other finishes available on special order.

Kensington control panels stand just 4mm off the wall for a sleek, elegant and modern look.

Choose between 2, 5, 7 and 9 standard button configurations with or without Infra-red control. All plates fit a 35mm deep UK single gang back box and have a screw less fixing.

### Key Features

- Up to 10 configurable push buttons with integral LED indicators on a single gang panel.
- Integral RJ12 programming point.
- Optional IR remote control receiver (not available with 10 button panels).
- Fully configurable functionality including room joining, sequencing and programmable logic functions.
- Flash memory for future proof upgradeability.
- Variable fade times programmable from 0.1 seconds to 60 minutes per button.
- Dimensions: 86mm (h) x 86mm (w).
- Fits standard 35mm deep UK back box.
- 12Vdc powered direct from iLight network.

### Any button can be configured to one of the following:

- Scene selection.
- 16 Sequences with up to 128 steps per sequence.
- Scene Raise / Lower.
- Channel Raise / Lower.
- Toggle On / Off, toggle Raise / Lower.
- True off.
- Open / Close (for curtains & blinds).
- Raise / Lower (motorised screens/blinds)
- Program (to record a scene locally).
- Start / Pause / Stop a sequence.



### Custom Button Engraving Examples



Optional panel engraving

# User Interfaces

## Classic



Classic control panels are supplied with a choice of Wandsworth Series 2 or Series 3 face plates in different finishes and configurations and with integral blue LED indicators.

Classic control panels are modular in design and are therefore completely flexible. Hardware provision allows any single gang panel to have up to 10 buttons (A double gang version is available with up to 20 buttons). This means that if control requirements of an installation change during its lifetime, buttons may be easily added or removed. All that is required is a new faceplate to match the new button configuration and a reprogram of the control panel functionality.

### Key Features

- Screw type (Series 2) or Screwless (Series 3) fixing.
- Up to 10 configurable buttons with integral LED indicators on a single gang panel and up to 20 buttons on the double gang panel.
- Integral RJ12 programming point.
- Optional IR remote control receiver (not available with fully populated 10 or 20 button panels).
- Fully configurable functionality including room joining, sequencing and programmable logic functions.
- Keyswitch inputs.
- Flash memory for future proof upgradeability.
- Variable fade times programmable from 0.1 seconds to 60 minutes per button.
- Dimensions: 86mm (h) x 86mm (w). Single Gang & 86mm (h) x 146mm (w) Double Gang.
- Fits standard 35mm deep UK back box.
- 12Vdc powered direct from iLight network.



### Any button can be configured to one of the following:

- Scene selection.
- 16 Sequences with up to 128 steps per sequence.
- Scene Raise / Lower.
- Channel Raise / Lower.
- Toggle On / Off, toggle Raise / Lower.
- True off.
- Open / Close (for curtains & blinds).
- Raise / Lower (motorised screens/blinds).
- Program (to record a scene locally).
- Start / Pause / Stop a sequence.

### Custom Button Engraving Examples



## Architrave

The slim and elegant Architrave range brings stylish control capability to any space.

With a screwless fixing and a choice of custom finishes the slim design is equally suited for unobtrusive placement or for use where space is limited.



### Key Features

- Available with 2, 5 or 7 push buttons with integral LED indicators.
- Fully configurable functionality including room joining, sequencing and programmable logic functions.
- Flash memory for future proof upgradeability.
- Variable fade times programmable from 0.1 seconds to 60 minutes per button.
- Optional Infra-red receiver (In place of button 7).
- Dimensions: 90mm (h) x 42mm (w).
- Uses iLight custom backbox (included).
- 12Vdc powered direct from iLight network.

### Any button can be configured to one of the following:

- Scene selection.
- 16 Sequences with up to 128 steps per sequence.
- Scene Raise / Lower.
- Channel Raise / Lower.
- Toggle On / Off, toggle Raise / Lower.
- True off.
- Open / Close (for curtains & blinds).
- Raise / Lower (motorised screens/blinds)
- Program (to record a scene locally).
- Start / Pause / Stop a sequence.

### Custom Button Engraving Examples







Ineo control panels are a versatile range of specification grade control panels that set new standards in intuitive layout and operation. Users are quickly drawn to the large on/off button controls with associated up/down adjustments. Panels may be ordered engraved in up to 10 standard layouts. There is even a choice of button size and colour.

Ineo control panels can be ganged together to meet specific project needs. Individual buttons have backlight indicator lights and strong tactile feedback.

Ineo is the clean, elegant, and simple way to control lighting on your project.

### Key Features

- Available in Black, White & Ivory finishes.
- 10 standard panel layouts.
- Each button individually configurable via iCANSoft.
- Variable fade times programmable from 0.1 seconds to 60 minutes per button.
- Built-in infrared receiver with learnable remote codes.
- Flash memory for future proof upgradeability.
- Buttons include Scene, Raise, Lower, On, Off functionality.
- 12Vdc powered direct from iLight network.
- 16 Sequences with up to 128 steps per sequence.
- Choice of large or small button caps.
- Standard or custom engraving on buttons.
- Tap on/off feature to override fade time.
- All plastic construction with a separate snap-on surround.
- Dimensions: 121 mm (h) x 83mm (w).
- Requires NEMA (US Style) backbox 77mm (h) x 51mm (w) x 64mm (d). Order separately.

### Choice of button sizes



### Custom Button Engraving Examples



Revio controls panels are highly intuitive touch control user interfaces that provide advanced lighting control in a high-tech design. This control eliminates end user confusion by combining an easily identifiable power button with a light icon at the centre of a rotary control, with up to 8 touch sensitive buttons under a customisable descriptive insert. While traditional rotary dimmers control just one area of lights, the Revio rotary dimmer controls multiple groups of lights either individually or together.

The Revio low level backlit displays behind each touchpad complete the design and make it easy to select the right lighting even when entering the space when dark.

### Key Features

- 8 touch sensitive switches with legends individually backlit with the selected scene brightly lit.
- Audible feedback when a switch is activated.
- Rotary control provides raise / lower function.
- Variable fade times programmable from 0.1 seconds to 60 minutes per button.
- Built-in infrared receiver with learnable remote codes.
- Flash memory for future proof upgradeability.
- 16 Sequences with up to 128 steps per sequence.
- Labelling, color, style, language and logos completely customisable.
- 12Vdc powered direct from iLight network.
- Tap on/off feature to override fade time.
- Liquid glass style polycarbonate cover ensuring UV protection, longevity of colour/graphics, and an easily cleanable surface.
- 'Clean' switch, when pressed, allows the control panel to be wiped clean without changing light levels.
- Dimensions: 123mm (h) x 70mm (w).
- Requires NEMA (US Style) backbox: 77 (h) x 51 (w) x 64mm (d). Order separately.

### Custom Printed Inserts



Touch Sensitive Buttons

Revio's printed inserts are capable of describing the unique zone or scene configurations of any project. The insert is covered in UV-protected, clear plastic providing longevity of graphics and a surface that can be wiped clean. From subtle tones to match interior decoration to personalised themes.

# User Interfaces

## Colour Touchscreens

The LCD colour touchscreens offer the ultimate solution in flexible, intuitive and user friendly interfacing to the lighting control system and for controlling linked systems. They offer a manageable solution to control a wide range of functions in an individual location or as a central control for multiple areas.

Building plans, photos and 3D graphics can all be used to customise the display to meet individual tastes and themes.

The touchscreens can also be used to provide control of other integrated systems such as audio visual, curtains, blinds and heating systems.

The PC Control Solution allows iLight graphic control of any size screen - Ideal for control rooms or where a big impact is needed.

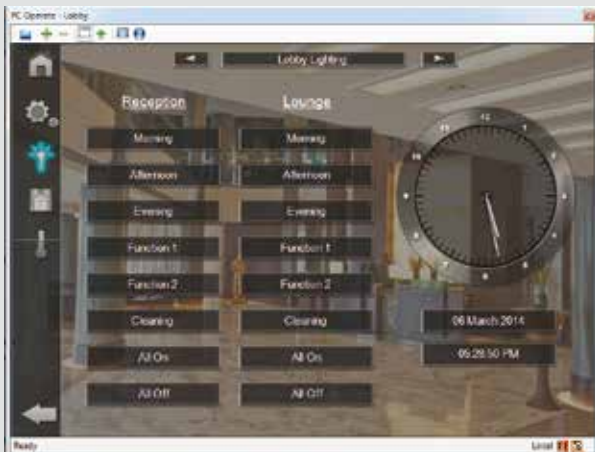
3.5" Screen



5.7" Screen



PC Control - Any Screen Size



### Key features

- TFT LCD screen with analogue touch overlay.
- 1/4 VGA 320 x 240 pixel resolution.
- 65000 Colours available.
- Selection of Bezel finishes with screwless fixing.
- Supplied with basic configuration installed.
- Standard buttons and backgrounds supplied with configuration software.
- All graphics and buttons can be customised.
- Programmable backlight level to automatically reduce screen brightness to a non-intrusive level after time out period.
- Password feature to allow different access levels.
- Large memory allows for up to 250 pages depending on graphics used.
- 3.5" Touchscreen  
Dimensions: 86mm (h) x 146mm (w) - Fits standard UK double gang backbox.
- 5.7" Touchscreen  
Dimensions: 169mm (h) x 220mm (w)  
Used with custom backbox (Supplied).

### Functionality

- Available in 3.5" (TSC30) or 5.7" (TSC50) screen formats.
- Can control an entire building or the adjacent area.
- Full graphical 'tell back' control of each and every circuit.
- Full scene set programming functions with "PIN" security options which allows the user to adjust preset levels on lighting scenes.
- Ability to input customers' graphics and building plans to provide a bespoke interface.
- Easy to use iCANsoft software for programming via built-in USB port.
- White powder coat or Stainless Steel finishes as standard. Many other finishes available on special order.





## Smartphone & Tablet Apps



### Residential Applications include:

- Private Homes
- Apartments
- Home Cinemas
- Hotel Suites
- Smarthomes

Ideal for extending existing mobile devices to control lighting.

### Commercial Applications include:

- Meeting Rooms
- Hotel Ball Rooms
- Board Rooms
- Lecture Theatres
- Leisure and Restaurant Chains

Ideal hand held device for maintenance or operational adjustment not requiring a service engineer.

iLight mobile applications for iPhone®, iPod touch®, iPad® and Android now bring fast and intuitive control of a complete lighting system to a hand held device. Navigate floors and rooms to choose, adjust and save lighting scenes with simple touch control operation.

Mobile applications must be used in conjunction with iLight EG2 and EG2-NA Ethernet Gateway devices for network access.

At turn on, the network will recognise each mobile device and auto populate with the latest layout, scene and level settings for immediate use. Networks require initial commissioning and setup.


Installations may support multiple devices and varying security levels permitting only authorised user to make alterations.


Screen views can be personalised with custom background images via the mobile device. Area, room and floor labels may be individually tailored for the installation at setup.

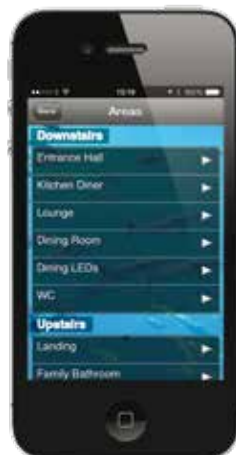
Application includes demo program to preview and learn operational capabilities prior to commissioning.

### Key features

- Mobile user interface for controlling iLight lighting network.
- Bi-directional control and feedback.
- Supports multiple iOS or Android devices on same network.
- Automatically loads room and scene information when connected.
- Selective password protection.
- Adjust and save changes.
- Customisable background images.
- Intuitive fader and switch icons.

 <http://www.apple.com/itunes>

 <https://play.google.com/store/apps>



# Control Panel Styles, Finishes & Configurations

## Sencia Panel Configuration Examples



**SSR-12SB-BS-CUSTOM**  
12 button panel with brushed stainless steel finish.



**SRR-5SB-RL-PC**  
4 scenes, off, raise and lower panel in polished chrome.



**SRR-12SB-PC-CUSTOM**  
12 button custom panel with raise and lower function.



**SSR-4LB-BS-CUSTOM**  
4 large button 'Front Door' style panel.



**SRR-5SB-3MB-RL-BB**  
4 scene, off, raise, lower and blind control.



**SSR-6SB-W**  
5 scene and off, standard scene control panel in white finish.

### Finish Codes



PB Polished Brass



SB Satin Brass\*



BS Brushed Stainless Steel



BC Bright Chrome



BB Brushed Antique Brass\*



BK Black Nickel\*



B Black\*



W White

## Kensington Panel Configuration Examples



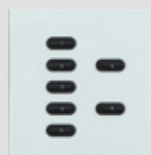
**XSR093IBS**  
9 button panel with infra-red and brushed stainless steel finish.



**XRP073-AB**  
7 button panel with antique brass finish.



**XSR023-BS**  
2 button panel with brushed stainless steel finish.



**XRP073-W**  
7 button panel with white finish.



**XRP073-BS**  
7 button panel with polished brass finish.



**XSR053-BC**  
5 button panel with bright chrome finish.

### Finish Codes



PB Polished Brass



SB Satin Brass\*



BS Brushed Stainless Steel



BC Bright Chrome



BB Brushed Antique Brass\*



BK Black Nickel\*



B Black\*



W White

## Architrave Configuration Examples




















**ARP073-SS**  
**ASR053-SS**  
Screwless type 7 & 5 button panels in satin stainless steel.

### Finish Codes

The Architrave Series are available in Satin Stainless as standard. Custom finishes are available by Special Order. Many of which are similar to the finishes available for the Classic Range.

## Classic Panel Configuration Examples

### Finish Codes

 PB Polished Brass	 PD Polished Desert Brass*
 AB Antique Bronze*	 BN Bright Nickel*
 SS Satin Stainless Steel	 SN Satin Nickel*
 MS Mirror Stainless Steel	 QZ Quartz*
 SL Satin Silver*	 DG Desert Gold*
 AR Antique Brass*	 LB Light Bronze*
 AC Antique Copper*	 MB Matt Black*
 AS Antique Silver*	 W White
 SD Satin Desert Brass*	 CW Cream White*

\* These finishes are special order and can take a longer lead time. Classic Panels are also available in an etched primer finish ready to be colour matched to a particular RAL colour.



**CSR023-SD**  
2 button Series 3 panel with satin desert brass finish.



**CSR023-AB**  
2 button Series 3 panel with antique bronze finish. (Custom layout)



**CSR053-MS**  
5 button panel with mirror stainless steel finish. (Custom engraving)



**CSR053-AR**  
5 button Series 3 panel with antique brass finish.



**CRP043-SS**  
4 button Series 3 panel with satin stainless steel finish.



**CRP073-W**  
7 button Series 3 panel with a white finish. (Custom white buttons)



**CRP073-PB**  
7 button Series 3 panel with polished brass finish.



**CSR092IPB**  
9 button Series 2 panel with IR receiver and polished brass finish.






**CSR053-KMS**  
5 button double gang panel with key switch function. (Custom engraving).



**TSC30-W**  
Mini Colour Touchscreen with white surround.

## Ineo Configuration Examples

### Finish Codes

 B Black	 IV Ivory
 W White	







**CLS-2LB-RL-B-IR**  
Ineo control panel, 2 big buttons, raise/lower, on/off and integral IR in a black finish.



**CLS-4SB-RL-W-IR**  
Ineo control panel, 4 small buttons, raise/lower, on/off and integral IR in a white finish.

## Revio Configuration Examples

### Finish Codes

 B Black	 IV Ivory
 W White	 G Grey



**CLV-44Z-RL-G-IR**  
Revio Wallstation, 4 buttons + 4 zones and integral IR in a grey finish.



**CLV-44Z-RL-B-IR**  
Revio Wallstation, 4 buttons + 4 zones and integral IR in a grey finish.



# Network overview

## One network - fully scaleable

### The iLight network has been designed to offer total freedom and flexibility in system design.

The iLight network features distributed data processing and is truly scaleable from 2 to 65,000 devices. There are virtually no limits as to what can be added to the system and with no central memory, components can easily be added or removed as required without major redesign.

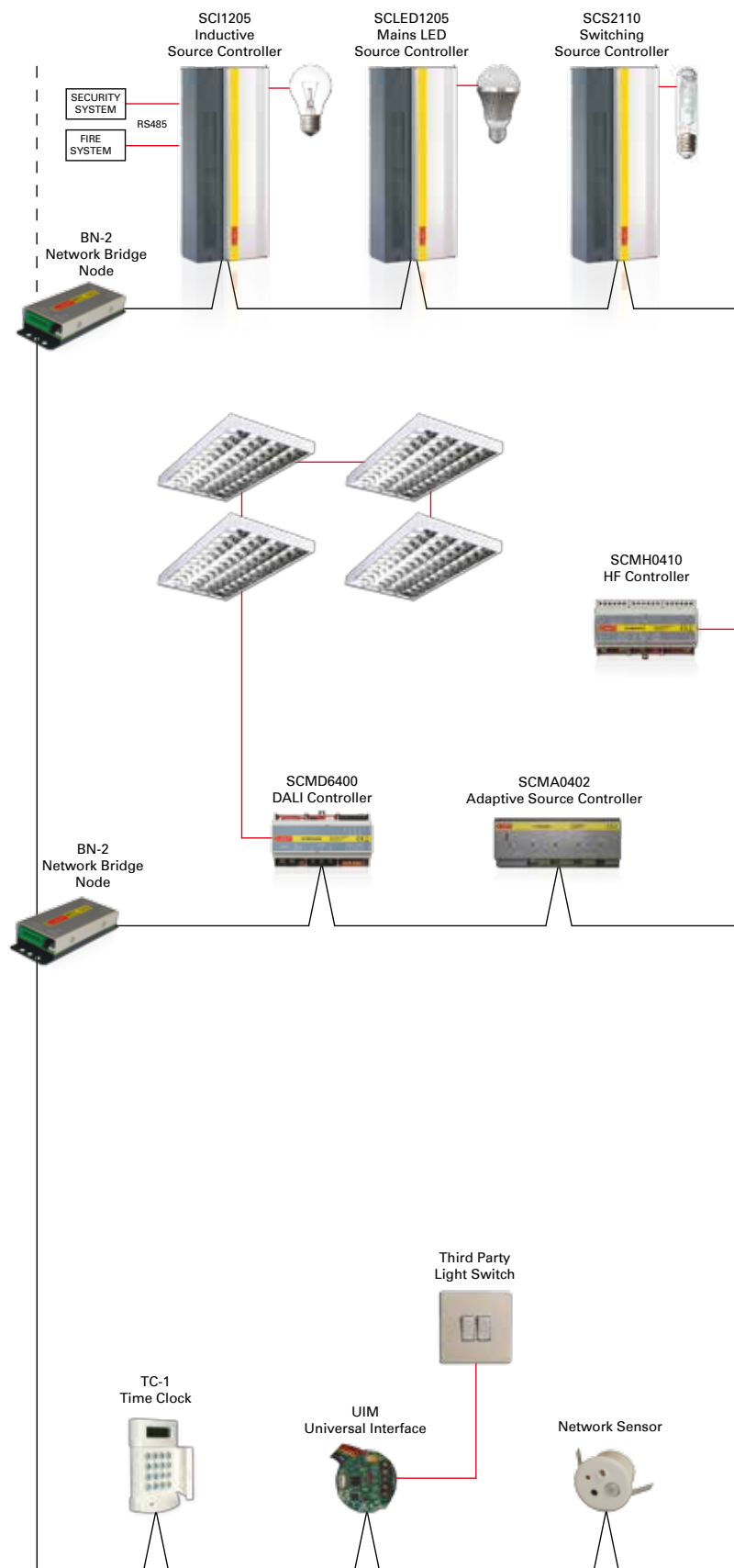
The extensive iLight product range includes source controllers, interfaces and accessories that provide control solutions across residential, commercial and entertainment style projects. All common communications protocols are catered for, ensuring that the iLight system seamlessly integrates with other control components within an installation.

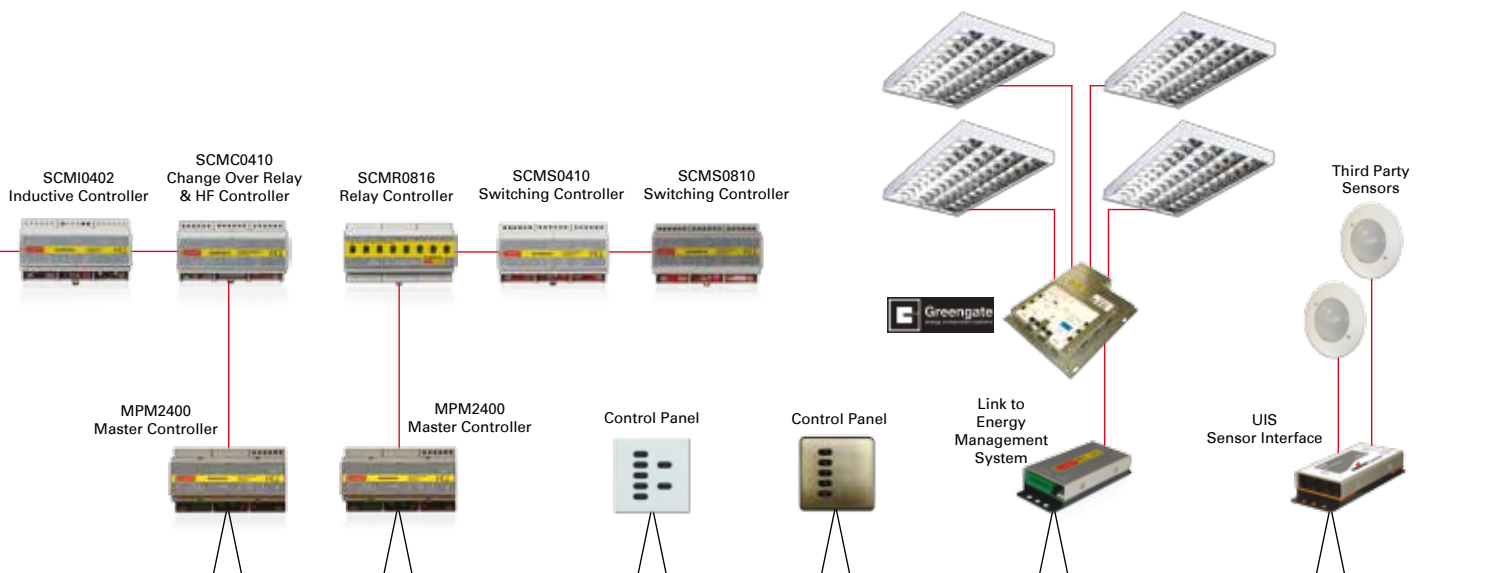
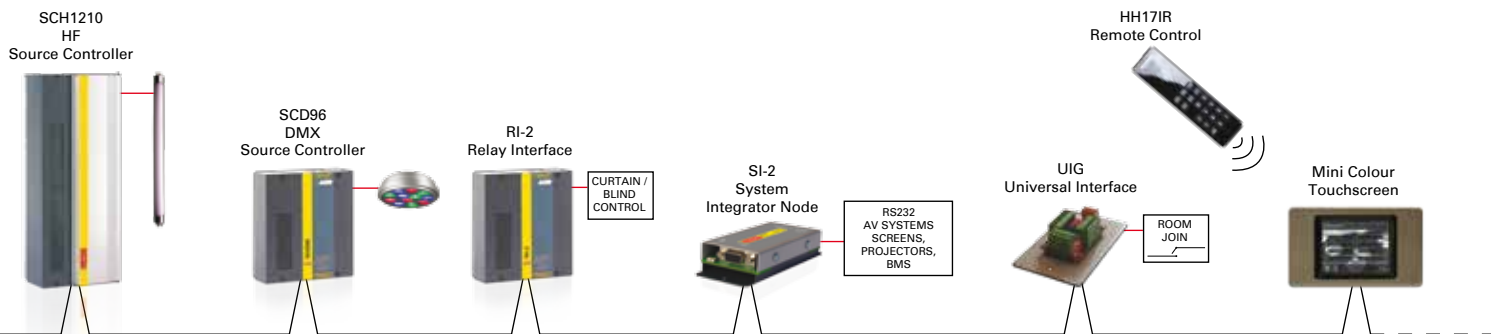
The network utilises standard widely available network cable eg. Belden 1502R.

### Connectivity

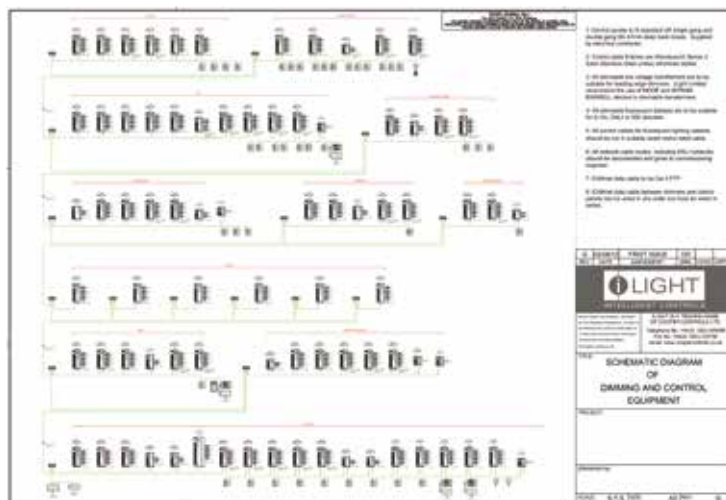
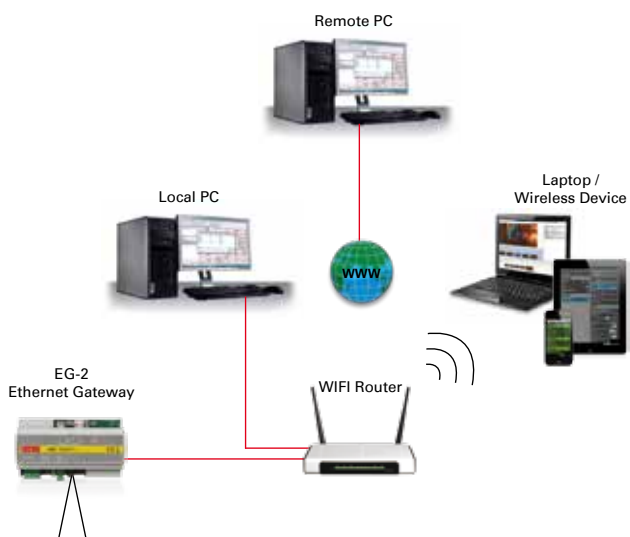
The iLight system provides connectivity to the following protocols;

- DSI
- DALI
- 1-10V
- CAN
- RS232
- RS485
- DMX512
- KNX via KNX Gateways
- Ethernet
- BACnet





Example Project Riser Drawing





# Source Controllers

## Internal view of an iLight Source Controller

**iLight source controllers are mechanically elegant, safe and practical to use.**

The iLight range of convection cooled source controllers may be configured for a wide variety of breaker and load types making them one of the most versatile and flexible control solutions on the market today.

A wealth of detailed features such as lockable hinged doors and top and bottom cable access make these units suitable for installation in almost any location, contractor friendly and convenient to live with.

### Variations

**Inductive Source Controllers**  
Dim resistive, inductive and low voltage electronic transformer loads (that are compatible with leading edge dimmers).

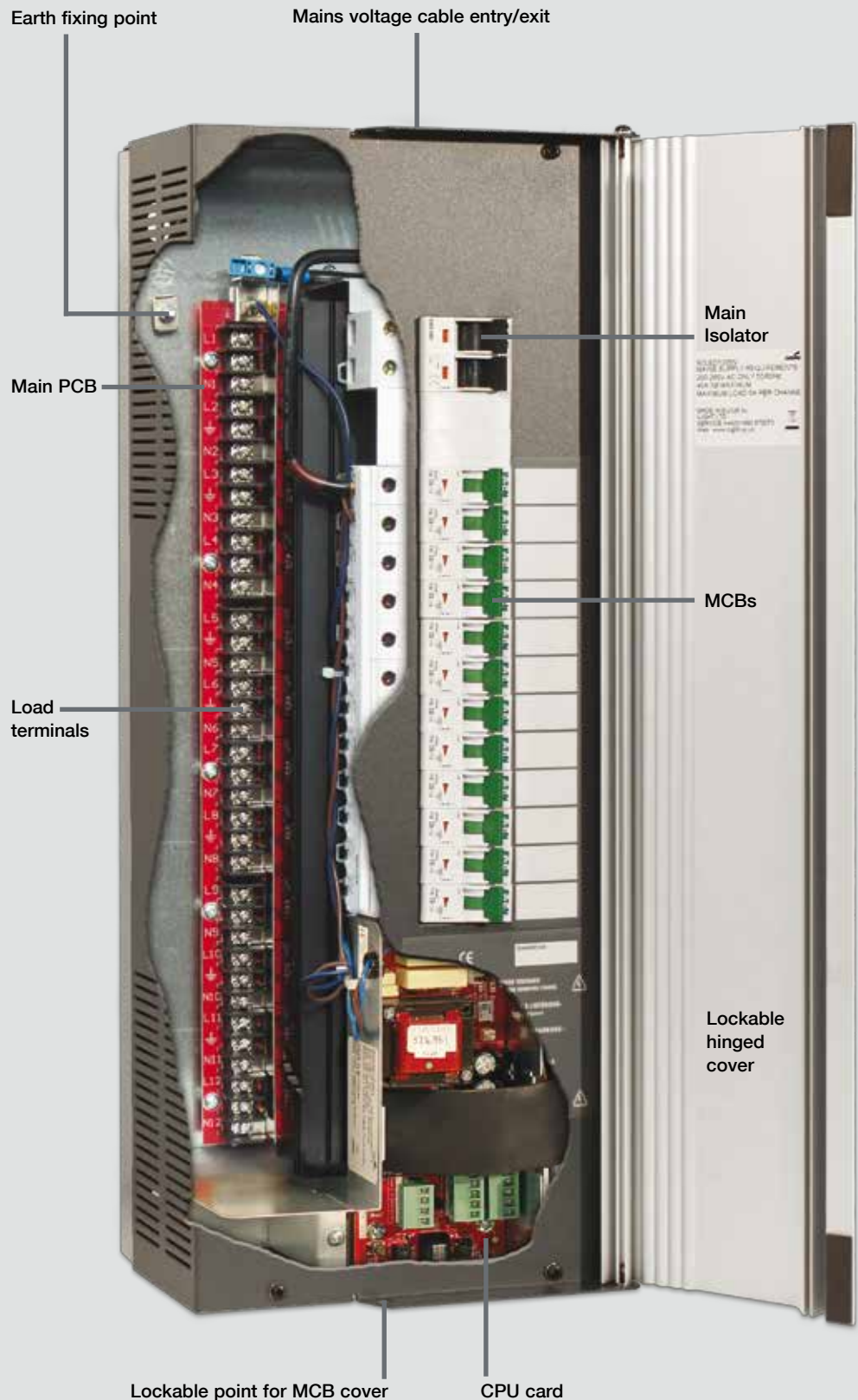
**Adaptive Source Controllers**  
Controller outputs can be adapted to resistive, inductive and capacitive load types. Very quiet operation. Complete with iProtect lamp protection and auto short circuit protection. Channels may be selected for leading and trailing edge operation.

**LED Source Controllers**  
Dim resistive, inductive and electronic loads (leading and trailing edge). Very quiet operation. Complete with iProtect lamp protection and auto short circuit protection.

**Combined Controllers**  
Cost effective combined controller for inductive, HF ballast and switched loads. Suitable for AV applications. 4 circuits of inductive, 4 circuits of 1-10V, DSI and DALI ballast control and 4 relays for power switching of non-dim loads.

**HF Ballast Source Controllers**  
Suitable for 1-10 volt analogue, Tridonic DSI or DALI control configurable from iCANsoft. 230V switched relay outputs.

**Switched Relay Controllers**  
Switching of resistive, inductive or capacitive lighting loads. Quiet operation.





# Source Controllers

Product Code	Mains Load Dimming / Switching Technology	Wall Mount or DINrail	Supply Capability	Number of Channels	Amps per Channel	Silent Dimming	Minimum Load
SCLED0405	Leading or Trailing Edge	W	SP	4	5	Y	N
SCLED1205	Leading or Trailing Edge	W	SP	12	5	Y	N
SCMI0402	Leading Edge	D	SP	4	2*	N	Y
SCI0405	Leading Edge	W	SP	4	5	N	Y
SCI1205	Leading Edge	W	SP	12	5	N	Y
SCI0110	Leading Edge	W	SP	1	10	N	Y
SCI0410	Leading Edge	W	SP	4	10	N	Y
SCI1210	Leading Edge	W	SP or TP	12	10	N	Y
SCI0420	Leading Edge	W	SP	4	20	N	Y
SCI1220	Leading Edge	W	SP or TP	12	20	N	Y
SCI0805	Leading Edge, 1-10V, DSI, Broadcast DALI	W	SP	8	5	N	Y
SCMA0402	Leading or Trailing Edge	D	***	4	2	Y	Y
SCA0410	Leading or Trailing Edge	W	SP	4	10	Y	Y
SCA1210	Leading or Trailing Edge	W	SP or TP	12	10	Y	Y
SCH1200T	1-10V, DSI, Broadcast DALI	W	N/A	12	N/A	Y	N
SCMD6400T	Fully Addressable DALI	D	N/A	64	N/A	Y	N
SCMH0410	1-10V, DSI, Broadcast DALI	D	SP	4	10	Y	N
SCH0410	1-10V, DSI, Broadcast DALI	W	SP	4	10	Y	N
SCH1210	1-10V, DSI, Broadcast DALI	W	SP or TP	12	10	Y	N
SCH1220	1-10V, DSI, Broadcast DALI	W	SP or TP	12	20	Y	N
SCD24	DMX	W	SP	24	N/A	Y	N
SCD96	DMX, Change-Over Relay	W	SP	96	N/A	Y	N
SCMS0410	Switched Relay	D	SP	4	10	Y	N
SCMS0810	Switched Relay	D	SP	8	10	Y	N
SCMC0410	Change-Over Relay, 1-10V, DSI, Broadcast DALI	D	***	4	10	Y	N
SCMR0816	Feed-Through Relay	D	***	8	16	Y	N
SCS0410	Switched Relay	W	SP	4	10	Y	N
SCS1210	Switched Relay	W	SP or TP	12	10	Y	N
SCS0420	Switched Relay	W	SP	4	20	Y	N
SCS1220	Switched Relay	W	SP or TP	12	20	Y	N

**Key:** **W** - Wall Mounted, **D** - DINrail mounted, **SP** - Single Phase, **TP** - Three Phase, **Y** - Yes, **N** - No,

\* - Max Amps per device = 6A, \*\* - No power switching for analogue ballasts, \*\*\* - Feed Through, channels can be different phases

**LE** - Leading Edge, **TE** - Trailing Edge, **S** - Switching Only.

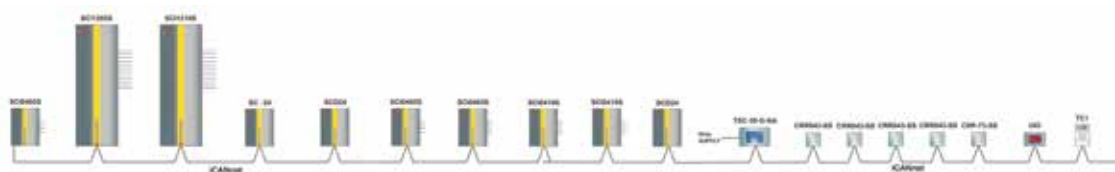
**Note:** Always refer to lamp manufacturer's instructions for LE or TE dimming capability.



## Source Controller Key features

- Choice of loads for high frequency ballasts, resistive, inductive, capacitive and switched loads.
- Choice of 1, 4, 8 or 12 channel units to match size of installation required.
- Low noise for standard dimmers or silent operation for adaptive dimmers.
- 128 Scene memory and fully configurable personality.
- Fade rates of 0.1 to 60 minutes per scene.
- RJ12 programming point.
- iLight network port with loop in, loop out terminals for network cable.
- Audio Visual (RS485) port.
- Optional DMX input.
- Auxiliary over-ride port.
- CE compliant.

	Incandescent	Mains (Retrofit) LED	Fluorescent	Dimmable Compact Fluorescent	Cold Cathode	Discharge (Metal Halide)	Electronic Low Voltage Transformers	Magnetic Low Voltage Transformers	LED Driver
	LE, TE	LE, TE	/	LE, TE	LE, TE	/	LE, TE	/	LE, TE
	LE, TE	LE, TE	/	LE, TE	LE, TE	/	LE, TE	/	LE, TE
	LE	LE	/	LE	LE	/	LE	LE	LE
	LE	LE	/	LE	LE	/	LE	LE	LE
	LE	LE	/	LE	LE	/	LE	LE	LE
	LE	LE	/	LE	LE	/	LE	LE	LE
	LE	LE	/	LE	LE	/	LE	LE	LE
	LE	LE	/	LE	LE	/	LE	LE	LE
	LE	LE	/	LE	LE	/	LE	LE	LE
	LE	LE	/	LE	LE	/	LE	LE	LE
	LE	LE	1-10, DSI, DALI	LE	LE	/	LE	LE	LE
	LE, TE	LE, TE	/	LE, TE	LE, TE	/	LE, TE	/	LE, TE
	LE, TE	LE, TE	/	LE, TE	LE, TE	/	LE, TE	/	LE, TE
	LE, TE	LE, TE	/	LE, TE	LE, TE	/	LE, TE	/	LE, TE
	/	/	1-10**, DSI, DALI	1-10**, DSI, DALI	1-10**, DSI, DALI	/	/	/	1-10**, DSI, DALI
	/	/	Addressable DALI	Addressable DALI	Addressable DALI	/	/	/	Addressable DALI
	S	S	1-10, DSI, DALI	1-10, DSI, DALI	1-10, DSI, DALI	S	S	S	1-10, DSI, DALI
	S	S	1-10, DSI, DALI	1-10, DSI, DALI	1-10, DSI, DALI	S	S	S	1-10, DSI, DALI
	S	S	1-10, DSI, DALI	1-10, DSI, DALI	1-10, DSI, DALI	S	S	S	1-10, DSI, DALI
	S	S	1-10, DSI, DALI	1-10, DSI, DALI	1-10, DSI, DALI	S	S	S	1-10, DSI, DALI
	/	/	/	/	/	/	/	/	/
	/	/	/	/	/	/	/	/	/
	S	S	S	S	S	S	S	S	S
	S	S	S	S	S	S	S	S	S
	S	S	S, 1-10, DSI, DALI	S, 1-10, DSI, DALI	S, 1-10, DSI, DALI	S	S	S	S, 1-10, DSI, DALI
	S	S	S	S	S	S	S	S	S
	S	S	S	S	S	S	S	S	S
	S	S	S	S	S	S	S	S	S
	S	S	S	S	S	S	S	S	S
	S	S	S	S	S	S	S	S	S



### Electronic

- Circuit and device protection from a choice of MCB styles to comply with most regulatory standards (single pole, double pole, neutral disconnect, RCBO or terminals). Voltage and current (real-time) monitoring and shut-down (trailing edge & adaptive only).
- Patented iProtect system to protect lamps and devices from excessive in-rush current and short circuit conditions (trailing edge & adaptive only).
- Emergency lighting terminals.
- LED status indication of channel status levels, iLight network watchdog and electronic bypass status.
- Fail to full on for all units on CPU failure.
- Test switch and electronic bypass switch.
- Overheat protection.

### Emergency Test

- iLight can also offer source controllers with inbuilt contactors and timers designed to assist in the duration testing of integral battery emergency light fittings.

### Mechanical

- Lockable hinged cover over MCB's to prevent unauthorised access to interior.
- Standard knock-outs to accommodate UK and European conduit.

# Source Controllers - Wall Mounted

## Leading or Trailing Edge Source Controllers - Suitable for Mains LED dimming

**SCLED0405S**  
**SCLED0405N**  
**SCLED0405D**  
**SCLED0405RCBO**  
**SCLED0405RCBOX**



- 4 x 5 Amp combined leading edge & trailing edge source controller module
  - Suitable for 20 Amp single phase supply
  - No minimum load
  - Silent operation
  - MCB protection behind lockable hinged cover
  - Dimensions: 280x220x155mm (D - 400x220x155mm. RCBO & RCBOX - 340x255x155mm)
  - Weight: 4 Kg (RCBO & RCBOX - 4.5 Kg)
- Not suitable for magnetic loads. Input isolator only included on RCBO and RCBOX versions

**SCLED1205S**  
**SCLED1205N**  
**SCLED1205D**  
**SCLED1205RCBO**  
**SCLED1205RCBOX**



- 12 x 5 Amp combined leading edge & trailing edge source controller module
  - Suitable for 40 Amp single phase supply
  - No minimum load
  - Silent operation
  - MCB protection behind lockable hinged cover
  - Input isolator included (except 'D' version)
  - Dimensions: 550x220x155mm (D - 690x220x155mm. RCBO & RCBOX - 550x255x155mm)
  - Weight: 10 Kg (RCBO & RCBOX - 11.5 Kg)
- Not suitable for magnetic loads.

## Leading Edge Source Controllers

**SCI0405S**  
**SCI0405N**  
**SCI0405D**  
**SCI0405RCBO**  
**SCI0405RCBOX**



- 4 x 5 Amp inductive source controller module
  - Suitable for 20 Amp single phase supply
  - MCB protection behind lockable hinged cover
  - Dimensions: 280x220x155mm (D - 400x220x155mm. RCBO & RCBOX - 340x255x155mm)
  - Weight: 4 Kg (RCBO & RCBOX - 4.5 Kg)
- Input isolator only included on RCBO and RCBOX versions

**SCI1205S**  
**SCI1205N**  
**SCI1205D**  
**SCI1205RCBO**  
**SCI1205RCBOX**



- 12 x 5 Amp inductive source controller module
- Suitable for 40 Amp single phase supply
- MCB protection behind lockable hinged cover
- Input isolator included (except 'D' version)
- Dimensions: 550x220x155mm (D - 690x220x155mm. RCBO & RCBOX - 550x255x155mm)
- Weight: 10 Kg (RCBO & RCBOX - 11.5 Kg)

**SCI0110T**



- 1 x 10 Amp inductive source controller module
  - Suitable for 10 Amp single phase supply
  - Dimensions: 240x220x90mm
  - Weight: 2.5 Kg
- Breaker and Input isolator not included

## Leading Edge Source Controllers - continued

- 4 x 10 Amp inductive source controller module
- Suitable for 40 Amp single phase supply
- MCB protection behind lockable hinged cover
- Dimensions: 400x220x155mm
- Weight: 7 Kg (D, RCBO & RCBOX - 8 Kg)

Input isolator only included on RCBO and RCBOX versions



**SCI0410S**  
**SCI0410N**  
**SCI0410D**  
**SCI0410RCBO**  
**SCI0410RCBOX**

- 12 x 10 Amp inductive source controller module
- Suitable for 40 Amp 3 phase supply
- MCB protection behind lockable hinged cover
- Input isolator included (except 'D' version)
- Dimensions: 850x330x155mm  
(RCBO & RCBOX - 850x374x155mm)
- Weight: 18 Kg (D, RCBO, RCBOX - 19.5 Kg)



**SCI1210S**  
**SCI1210N**  
**SCI1210D**  
**SCI1210RCBO**  
**SCI1210RCBOX**

- 4 x 20 Amp inductive source controller module
- Suitable for 80 Amp single phase supply
- MCB protection behind lockable hinged cover
- Dimensions: 375x330x155mm  
(D - 450x330x155mm. RCBO & RCBOX - Consult iLight)
- Weight: 9 Kg (SCI0420D - 12 Kg)

Input isolator only included on RCBO and RCBOX versions



**SCI0420S**  
**SCI0420N**  
**SCI0420D**  
**SCI0420RCBO**  
**SCI0420RCBOX**

- 12 x 20 Amp inductive source controller module
- Suitable for 80 Amp 3 phase supply
- MCB protection behind lockable hinged cover
- Input isolator included (except 'D' version)
- Dimensions 850x330x155mm  
(RCBO & RCBOX - 850x374x155mm)
- Weight 22 Kg (SCI1220D - 23.5 Kg)



**SCI1220S**  
**SCI1220N**  
**SCI1220D**  
**SCI1220RCBO**  
**SCI1220RCBOX**

## Combined Leading Edge, 1-10V, DSI, Broadcast DALI Source Controller

- 8 x 5 Amp combined source controller, 40 Amp single phase supply
- 4 circuits of inductive leading edge, 4 circuits of 1-10V, DSI and DALI ballast control and 4 relays for power switching of non-dim loads.
- Dimensions 400x220x155mm  
(RCBO & RCBOX - 440x255x155mm)
- Weight: 7 Kg (RCBO & RCBOX - 8 Kg)



**SCI0805T**  
**SCI0805S**  
**SCI0805N**  
**SCI0805RCBO**  
**SCI0805RCBOX**

*Which product to use? - refer to the product selector, Page 22-23*



# Source Controllers - Wall Mounted

## Adaptive Leading or Trailing Edge Source Controllers

**SCA0410S**  
**SCA0410N**  
**SCA0410D**  
**SCA0410RCBO**  
**SCA0410RCBOX**



- 4 x 10 Amp adaptive source controller module
- Suitable for 40 Amp single phase supply
- MCB protection behind lockable hinged cover
- Dimensions: 375x330x155mm (RCBO & RCBOX - Consult iLight)
- Weight: 9 Kg (SCA0410D - 10 Kg)

Input isolator not included

**SCA1210S**  
**SCA1210N**  
**SCA1210D**  
**SCA1210RCBO**  
**SCA1210RCBOX**



- 12 x 10 Amp adaptive source controller module
- Suitable for 40 Amp 3 phase supply
- MCB protection behind lockable hinged cover
- Dimensions: 850x330x155mm (RCBO & RCBOX - Consult iLight)
- Weight: 18 Kg (SCA1210D - 19.5 Kg)

Input isolator not included

## 1-10V, DSI, Broadcast DALI Source Controllers

**SCH1200T**



- 12 Channel 1-10V/DSI/ Broadcast DALI ballast controller. (Control only, no power switching)
- Dimensions: 240x220x90mm
- Weight: 3 Kg

**SCH0410S**  
**SCH0410N**  
**SCH0410D**  
**SCH0410RCBO**  
**SCH0410RCBOX**



- 4 x 10 Amp HF ballast controller module
- 1-10V, DSI or Broadcast DALI control
- Suitable for 40 Amp single phase supply
- MCB protection behind lockable hinged cover
- Dimensions: 280x220x155mm (D - 400x220x155mm. RCBO & RCBOX - 340x255x155mm)
- Weight: 4 Kg (D, RCBO & RCBOX - 5 Kg)

Input isolator only included on RCBO and RCBOX versions

**SCH1210S**  
**SCH1210N**  
**SCH1210D**  
**SCH1210RCBO**  
**SCH1210RCBOX**



- 12 x 10 Amp HF ballast controller module
- 1-10V, DSI or Broadcast DALI control
- Suitable for 40 Amp 3 phase supply
- MCB protection behind lockable hinged cover
- Input isolator included (except 'D' version)
- Dimensions: 550x220x155mm (D - 690x220x155mm. RCBO & RCBOX - 550x255x155mm)
- Weight: 9 Kg (D, RCBO & RCBOX - 10.5 Kg)

## 1-10V, DSI, Broadcast DALI Source Controllers - continued

- 12 x 20 Amp HF ballast controller module
- 1-10V, DSI or Broadcast DALI control
- Suitable for 80 Amp 3 phase supply
- MCB protection behind lockable hinged cover
- Input isolator included (except 'D' version)
- Dimensions: 550x220x155mm  
(D - 690x220x155mm. RCBO & RCBOX - 550x255x155mm)
- Weight: 9 Kg (D, RCBO & RCBOX - 10.5 Kg)



**SCH1220S**  
**SCH1220N**  
**SCH1220D**  
**SCH1220RCBO**  
**SCH1220RCBOX**

## Switched Relay Controllers

- 4 x 10 Amp switched relay source controller module
- Suitable for 40 Amp single phase supply
- MCB protection behind lockable hinged cover
- Dimensions: 280x220x155mm  
(D - 400x220x155mm. RCBO & RCBOX - 340x255x155mm)
- Weight: 4 Kg (D, RCBO & RCBOX - 5 Kg)

Input isolator only included on RCBO and RCBOX versions



**SCS0410S**  
**SCS0410N**  
**SCS0410D**  
**SCS0410RCBO**  
**SCS0410RCBOX**

- 4 x 20 Amp switched relay source controller module
- Suitable for 80 Amp single phase supply
- MCB protection behind lockable hinged cover
- Dimensions: 280x220x155mm  
(D - 400x220x155mm. RCBO & RCBOX - 340x255x155mm)
- Weight: 4 Kg (D, RCBO & RCBOX - 5 Kg)

Input isolator only included on RCBO and RCBOX versions



**SCS0420S**  
**SCS0420N**  
**SCS0420D**  
**SCS0420RCBO**  
**SCS0420RCBOX**

- 12 x 10 Amp switched relay source controller module
- Suitable for 40 Amp 3 phase supply
- MCB protection behind lockable hinged cover
- Input isolator included (except 'D' version)
- Dimensions: 550x220x155mm  
(D - 690x220x155mm. RCBO & RCBOX - 550x255x155mm)
- Weight: 9 Kg (D, RCBO & RCBOX - 10.5 Kg)



**SCS1210S**  
**SCS1210N**  
**SCS1210D**  
**SCS1210RCBO**  
**SCS1210RCBOX**

- 12 x 20 Amp switched relay source controller module
- Suitable for 80 Amp 3 phase supply
- MCB protection behind lockable hinged cover
- Input isolator included (except 'D' version)
- Dimensions 550x220x155mm  
(D - 690x220x155mm. RCBO & RCBOX - 550x255x155mm)
- Weight: 9 Kg (D, RCBO & RCBOX - 10.5 Kg)



**SCS1220S**  
**SCS1220N**  
**SCS1220D**  
**SCS1220RCBO**  
**SCS1220RCBOX**

*Which product to use? - refer to the product selector, Page 22-23*

# Source Controllers - DINrail Mounted

## DINrail Range

An alternative to the iLight Cabinet Source Controller system is the DINrail mounted system. The DINrail range offers the same scope of control capability as our other products but is designed specifically for the panel building market. All of the key components are DIN rail mounting enabling installers and integrators to construct their own systems to suit particular projects.



iLight DINrail systems are both powerful and flexible. They can be fully integrated with other iLight devices on the iLight network.

MPM2400 Master Controller, SCMA0402 Adaptive Dimmer and SCMD6400 Addressable DALI Controller sit directly on the iCAN network. These devices have the same processing capability as the iCAN source controllers and feature;

- 128 scene memory
- Fade times from 0.1 seconds to 60 minutes
- An auxiliary connection for the selection of any scene (e.g an emergency lighting state)
- LED status indicators

The MPM unit is complemented by a range of low cost power modules which can be used in various combinations. The MPM connects to the modules via short serial link cables (included). Modules include a choice of a 4-circuit leading edge controller (SCMI), an HF ballast controller for 1-10 volt/DSI (SCMH), 4 & 8 channel power relay units (SCMS & SCMR) as well as curtain and blind control (SCMC).

All of the DINrail devices can be used with the full range of user interfaces and peripherals that are available with the iLight system detailed earlier in this brochure.

**Consult iLight for complete packages ready built, tested and mounted in DIN cabinets.**

## DINrail Range - Stand Alone

### SCMA0402

No master required



- 4 x 2 Amp adaptive leading or trailing edge source controller
- Max total load 10A
- Dimensions: 227x90x48 mm
- Weight: 1 Kg

### SCMD6400

No master required



- 64 x Addressable DALI ballasts controller module, 16 groups
- Dimensions: 160x90x58 mm
- Weight: 1 Kg

## DINrail Range - Master & Output Modules

- Master control of up to 48 channels of switching and dimming
- Built in system power supply
- Use with SCMI, SCMS, SCMH, SCMR & SCMC modules
- Dimensions: 160x90x58 mm
- Weight: 1 Kg

Master (MPM)



**MPM2400**

- 4 x 2 Amp inductive leading edge source controller
- Max total load 5A
- Dimensions: 160x90x58 mm
- Weight: 1 Kg

Connects to MPM



**SCMI0402**

- 4 x 10 Amp switching source controllers
- Max total load 16A
- Dimensions: 160x90x58 mm
- Weight: 1 Kg

Connects to MPM



**SCMS0410**

- 8 x 10 Amp switching source controllers
- Max total load 16A
- Dimensions: 160x90x58 mm
- Weight: 1 Kg

Connects to MPM



**SCMS0810**

- 4 x 10 Amp change over relay & HF controller
- 4 x Independent low voltage outputs
- Max total load 40A
- Dimensions: 160x90x58 mm
- Weight: 1 Kg

Connects to MPM



**SCMC0410**

- 8 x 16 Amp feed-through relay controller
- Switches resistive, inductive and capacitive lighting loads
- Max total load 128A
- Dimensions: 160x90x58 mm
- Weight: 1 Kg

Connects to MPM



**SCMR0816**

- 4 x 10 Amp HF ballast controller
- 1-10V, DSI or DALI control output
- Max total load 16A
- Dimensions: 160x90x58 mm
- Weight: 1 Kg

Connects to MPM



**SCMH0410**

*Which product to use? - refer to the product selector, Page 22-23*



# Source Controllers

## DMX Source Controllers

### SCD24



The SCD24 is a 24 channel DMX source controller. It is designed to provide scene set dimming output for any DMX512 controlled load.

- 24 channels.
- 128 scene memory
- 8 sequences with a maximum of 30 actions
- Dimensions: 240 x 220 x 90 mm
- 2.5 Kg

### SCD96



The SCD96 is a 96 channel DMX source controller. It is designed to provide scene set dimming output for any DMX512 controlled load. The unit also incorporates 8 general purpose 3A change over relays which are DMX addressable as some of the 96 channel DMX outputs.

- 96 channels
- 8 x 3A general rating change over relays
- 128 scene memory
- 16 sequences with a maximum of 128 actions
- Dimensions: 240 x 220 x 90 mm
- 2.5 Kg

### SCDServer SCDServerPro



The SCD Server is a 19" rack mounted, fully featured, DMX lighting control system ideal for use in larger performance installations and networks where show replay, tracking backup or standalone operation is required. SCD Server has 1024 channels, the SCD Server Pro has 2048 channels (upgradable to 4096)

- A stand alone or remotely controlled event replay controller for complex permanent installations such as facades, landscapes or theme parks.
- A fully tracking Backup to any Zero 88 ZerOS lighting console
- A bridge between a performance lighting system and an architectural lighting control network making it ideal for theatres, conference centres and other public building applications.

# Interfaces

**iLight manufactures a range of integration tools to assist with the construction and configuration of the iLight network and for interfacing with external system components.**

## System Integrator Node

### SI2



The bi-directional System Integrator Node allows control of a wide range of RS232 compatible third party equipment through the iLight user interfaces including audio systems, TVs, projectors, blinds, curtains, heating and HVAC systems, security & fire alarms, surveillance and CCTV.

- Configurable RS232 COMMS via 9 pin female D type (Send/Recieve)
- Adjustable baud rates of 1200, 2400, 4800, 9600, 19200, 38400, 57600, 115200
- 1 x CAN bus data connection via screw terminals
- Status LEDs
- 20 programmable serial commands - triggered from the iLight network
- 16 sequences each with a maximum of 128 actions
- Dimensions: 124 x 49 x 23 mm

# Interfaces

## Ethernet Gateway

The Ethernet Gateway provides a connection between an iCAN network and an Ethernet LAN. This allows a user to control and configure the iLight system using iCANsoft on a LAN network PC or via the internet rather than by connecting directly into the iLight network. Where a wireless LAN is in place (or by connecting a wireless router into the Ethernet Gateway) the user can access the network with a Wi-Fi enabled PC.

The Ethernet Gateway is also the host for the iLight series of remote applications including Android and iOS (iPhone®/ iPod touch®/ iPad®) and a webserver front end where applications are downloaded separately. Coupling the EG-2 to a WIFI network enables secure scene control, visual feedback and modification from your hand held device.

The Ethernet Gateway also facilitates connection to the internet when used with iCANsoft, a firewall, ISP and a Ethernet switch, this then enables remote connection for controlling, programming & obtaining diagnostics of the lighting control system.

- Connects iLight CAN network to 10/100 Mbps Ethernet/LAN.
- Configurable IP address.
- Facilitates internet and Wi-Fi LAN connection into the iLight network.
- Integral web server.
- Time clock.
- Supports iLight applications via mobile devices. Android and iOS (iPhone®/ iPod touch®/ iPad®)
- Supports ASCII control strings.
- 16 Sequences, each with a maximum of 128 actions.

The Ethernet Gateway is available in two versions:

**EG2** - Ethernet Gateway in DINrail enclosure (power supply and metal DINrail enclosure available to order separately).

- Dimensions: 160x90x58 mm
- 1 Kg

**EG2-NA** - Ethernet Gateway including power supply and steel enclosure.

- Dimensions: 240 x 220 x 90 mm
- 2.5 Kg



**EG2**



**EG2-NA**

iLight mobile applications for Android and iOS (iPhone®, iPod touch®, iPad®) now bring fast and intuitive control of a complete lighting system to a hand held device. Navigate floors and rooms to choose, adjust and save lighting scenes with simple touch control operation.

At turn on, the network will recognise each mobile device and auto populate with the latest layout, scene and level settings for immediate use. Networks require initial commissioning and setup.

Installations may support multiple devices and varying security levels permitting only authorised user to make alterations.

Screen views can be personalised with custom background images via the mobile device. Area, room and floor labels may be individually tailored for the installation at setup.

Application includes demo program to preview and learn operational capabilities prior to commissioning. To view the EG2 demo video and download our free iOS and Android apps go to: [www.ilight.co.uk/eg2](http://www.ilight.co.uk/eg2)



**iOS &  
Android  
Apps**

# Interfaces

## Relay Interface

**RI2**



The Relay Interface provides a versatile interface between the iLight network and other control systems. The unit is fully configurable and may be programmed to perform switching functions for curtain or blind control, AV and presentation equipment or drive contactors for heavier power applications.

- 8 relay outputs
- 8 inputs - programmable as analogue or digital used for volt free switches or motion detectors
- 16 sequences each with a maximum of 128 actions
- Audio Visual RS485 port, 2 alarm inputs
- Dimensions: 240 x 220 x 90 mm
- 2.5 Kg

## Optional Plugin DMX Interface Board

**DI1**



Plugin interface board for DMX control input to any source controller (When installed, RS485 port is no longer available for ASCII control using RS485).

## Bridge

**BN2**



The BN-2 bridging module allows 2 or more iCAN network segments to be connected together or arranged logically into floors or areas for ease of management. The bridge is also used to extend the network as a repeater where longer network segments or large numbers of devices are required. BN-2 also allows network messages to be filtered to ensure optimal performance in larger networks.

- Repeater where cable lengths exceed network limits
- 16 sequences each with a maximum of 128 actions
- Programmable sequence capability
- Message filtering and isolation for large networks
- Dimensions: 124 x 49 x 23 mm

## Starbox

**STARBOX**



Star wire interface provides network branch capability by allowing all cables from the iLight network to be connected back to one central point.

The device enables an existing lighting control system in need of modernisation/updating to be successfully converted to an iLight lighting control system. Up to six network segments may be connected per box.

- Six way segment split
- Includes power supply
- Dimensions: 240 x 220 x 90 mm
- 2.5 Kg

## Sensor Interface

The UIS features 3 sensor inputs for connecting analogue or third party sensors to the iLight lighting control network. Each sensor input is suitable for either a single occupancy detector or daylight sensor or a combined PIR, Photocell with built in infra-red control.

Each UIS installed adds three independent daylight linking engines to the network making this unit ideal for maximising daylight harvesting across all areas.

This small compact device can be deployed anywhere on the iLight network and uses RJ12 sockets and cables for fast installation.

- 3 x connections for sensors to iCAN network
- RJ12 type sockets for rapid sensor connection
- 3 independent daylight linking engines
- Presence or absence detection support
- Infra-red support for HH17IR remote controller
- Supports Infra-red identification
- 16 Sequences, each with a maximum of 128 actions
- Status LEDs
- Message filtering and isolation for large networks
- Dimensions: 124 x 49 x 23 mm



**UIS**

## Universal Interface

The UIG allows other items such as partition switches to provide inputs to the iLight network. When configured for a room join, moving the partition will open or close a magnetic proximity switch contact (not included) and automatically re-program the function of the control panels within the room.

- 4 x 0-10V analogue inputs for volt free switches or motion detectors
- 4 volt free contact closure inputs
- 4 switch outputs for LED indication
- 16 sequences each with a maximum of 128 actions
- Fits standard UK style double gang 35mm deep back box



**UIG2**

## Mini UIG

The Mini UIG also allows other items to provide inputs to the iLight network and is often used with third party and custom faders and switches.

- 6 inputs which each can be individually configured as 0-10V analogue, digital or photoelectric cell inputs
- 8 sequences with up to 30 steps per sequence
- Only 42mm Ø so easily fits in European and UK junction and back boxes



**UIM**



# Accessories

In addition to interfacing tools, iLight also provide a number of accessories to further enhance the capability of the iLight control system.

## Astronomical Time Clock

**TC1**



The TC-1 is a surface mounting electronic time clock with astronomical facility and LCD display. It connects to the iLight network and is fully programmable using either the front panel keyboard or iCANsoft™ PC based software for daily or date specific events.

- 255 events
- 8 sequences with up to 30 steps per sequence
- Scene selection and programming
- Channel level raise and lower

## Low Voltage Sensors

**NS-3**



### Network Sensor with Combined PIR, Daylight and Infrared Control

The NS3 multi sensor can be connected directly to the iLight Network via CAN terminals. It features 3 functions: PIR motion detection, daylight measurement and an infra-red receiver. All three functions may be programmed within the iLight software according to specific user needs. This sensor features a movement detection coverage of up to 8.5m diameter depending on installation height with PIR detection optimised for Slight Motion for superior performance.

**PI1C**



### Ceiling Mounted Motion Detector

Low voltage Passive Infrared Detector with open collector output, suitable for flush mounting to suspended ceilings, includes retaining clip. Detection range approx 5m from ceiling height 2.4m. May be used in groups to cover larger areas. On time duration after trigger fully programmable within iCANsoft. Interior use only.

*May be used with UIM, UIG2 and UIS - See Page 33*

**PE1C**



### Ceiling Mounted Photocell

Low voltage Photocell Detector, suitable for flush mounting to suspended ceilings, includes retaining clip. May be used as a daylight switching threshold or continuous level output for control of functions programmable within iCANsoft. Daylight sensitivity range at surface 0-1000 lux approx. Positioned as look down detector. Interior use only.

*May be used with UIM and UIS - See Page 33*

**PE1EXT**



### External Photocell

Low voltage exterior Photocell Detector, suitable for surface mounting. May be used for a daylight switching threshold or continuous level output for control of functions programmable within iCANsoft. Daylight sensitivity range approx 0-10,000 lux IP54 rated.

*May be used with UIM and UIS - See Page 33*

**AXCS01SRJ**



### Combined PIR & Daylight Sensor with I/R Receiver

Low-voltage multisensor includes passive infrared detector with open collector output and photocell. Suitable for flush mounting to suspended ceilings. Includes retaining clip and RJ12 connection. Interior use only.

*May be used with UIS - See Page 33*

*A range of custom sensor solutions are also available, consult iLight with your specific requirements.*

## IR Transmitter

### iLight hand held remote

- 8 scene buttons
- Off button
- Raise and lower controls
- 6 additional configurable buttons



HH17IR

## Software Accessories

### Software Kit

This kit allows engineers to connect their PC to the iLight system and configure the network using iCANsoft.

- PC Node - Serial Port to iLight network interface
- Includes a copy of iCANsoft on CD to allow the iLight network to be configured from a PC
- Includes USB cable

Available for accredited dealers only

Also available is the PC node only for adding RS485 input to any iLight network



SW2

### iCANview - Floorplan

This stand alone software is used for monitoring a lighting installation using a floor plan layout based on original customer supplied drawings.

- Ideal for monitoring large or complex installations
- Each system customised to your project
- Navigate multiple floors
- Selectable levels of detail
- Virtual device control and feedback, including DALI reporting where applicable
- Zoom & pan functions
- Includes iCANview-Scene Control capabilities
- Windows XP, Vista, 7 & 8



iCANview  
Floorplan

### iCANview - Scene Control

This stand alone software is used for operating a lighting installation from a PC using graphic layouts based on original customer supplied images.

- Simple intuitive operation - ideal for general staff
- Clear navigation and labeling
- Fast scene selection and replay by area
- Adjustable fade times for scenes.
- Customised visual presentation based on JPG or Bitmap images
- Locked for users only
- Each system customised to your project
- Windows XP, Vista, 7 & 8



iCANview  
Scene Control

### Photographs courtesy of the following:

Lighting Design International  
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## Contact your local Eaton office

20 Greenhill Crescent,  
Watford Business Park,  
Watford, Herts, WD18 8JA. UK  
T: +44 (0)1923 495496  
F: +44 (0)1923 228796  
E: [enquiries@iLight.co.uk](mailto:enquiries@iLight.co.uk)  
[www.iLight.co.uk](http://www.iLight.co.uk)

### Eaton's Cooper Controls Group

20 Greenhill Crescent  
Watford Business Park  
Watford, Herts  
WD18 8JA. UK

T: +44 (0)1923 495496  
F: +44 (0)1923 228796  
E: [enquiries@coopercontrols.co.uk](mailto:enquiries@coopercontrols.co.uk)  
[www.coopercontrol.com](http://www.coopercontrol.com)

### Eaton Industries Manufacturing GmbH

Electrical Sector EMEA  
Route de la Longeraie  
71110 Morges, Switzerland  
[Eaton.eu](http://Eaton.eu)

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