iLIGHT
INTELLIGENT CONTROLS

09 Product Guide

English 6.3

COOPER Controls

iLight by Cooper Controls

We've got it all under control

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

To achieve this we have recruited experts into all areas of our business from design to manufacture, sales to support. This knowledge base enables Cooper Controls to understand all aspects of lighting control and helps us assess the needs of and work with lighting designers, consulting engineers, developers and installers.

Intercontinental Hotel, Park Lane, London
Image courtesy of Intercontinental Hotel

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 retail shopping developments, places of worship, conference centres, hotels, office buildings, ocean liners, restaurants, theme parks and 'Smart' homes.

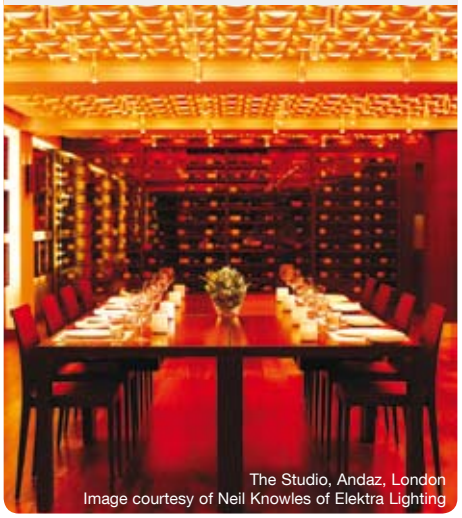
We have experience in providing solutions for building management systems, for environments where energy management is key, for creating ambient lighting for residential, hotel and restaurant environments, large scale dramatic architectural lighting and fully integrated entertainment systems.

The power, 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 thirty 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.

Cooper Controls has an established reputation as one of the leaders within the lighting controls industry. From exclusive retail boutiques to globally renowned hotel complexes we have undertaken a vast array of projects throughout the world.

Projects include: Burj al Arab (Dubai), Conference Palace Hotel (Abu Dhabi), Medinah Hotel (Saudi Arabia), The Phoenix Initiative (UK), Helsinki Bank Restaurant (Finland), Saint Vincent Casino (Italy), London City University (UK), The World Resort Ship (Norway), Concord Hotel (Kuala Lumpur), Van Gogh Museum (Amsterdam), Fuengirola Zoo (Malaga) and major hotel chains such as Hyatt, Hilton, Holiday Inn and Intercontinental. Visit **www.iLight.co.uk** for a detailed list.



The Studio, Andaz, London
Image courtesy of Neil Knowles of Elektra Lighting

Cooper Controls
Cooper Controls is the new force in lighting control, bringing together over 30 years of expertise ranging from architectural, through energy saving to entertainment markets. Within our portfolio we have world class brands, that when combined with the service and innovation of Cooper Industries, ensure that your installation will be cost effective, flexible and above all reliable. The focus for Cooper Controls is to be the global leader in lighting controls. As well as the iLight range, Cooper Controls includes other leading brands such as iLumin (iLight - North America), Greengate and Zero88.

About Cooper Industries
Cooper Controls is part of Cooper Industries Ltd, NYSECBE, a $6 Billion Fortune 500 global manufacturer approximately 85% of which are from electrical products. Cooper has over 300 manufacturing and distribution facilities worldwide and currently employs over 31,000 employees.

Greengate
Cooper Controls combined the innovative sensor technology from Novitas, with the panel expertise of PCI Lighting Control Systems, and the global reach and resources of Cooper to create Greengate Lighting Control Solutions for Energy Management.

Greengate's full line of lighting control panels, occupancy sensors, and daylighting controls for commercial, industrial and institutional projects are easy to specify, cost effective to own, the best value in the industry, and backed by exceptional customer service.
www.greengatecontrols.com

Zero88
Zero 88's range of entertainment lighting control products can be found in productions and venues across the world. From the smallest school play to global touring productions, Zero 88 has been offering easy to use, reliable, durable and cost effective lighting controls for over 30 years.
www.zero88.com

With this extensive range of product lines, Cooper Controls is able to augment its offering. Greengate sensors, for example, can be used where light and occupancy sensors are required for your lighting control system.

Cooper Controls - a truly global lighting controls company focused on manufacturing high quality, innovative, easy to use products designed for the 21st century.

The iLight Product Range

iLight's range of iCAN 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 will enhance, not limit or constrain the design process. The iLight range includes a comprehensive selection of source controllers that can control virtually any light source including resistive, capacitive and inductive loads, fluorescent 0-10V, DALI and DSI, cold cathode, neon, LED, DMX512 and switched loads.

Cooper Controls has extensive experience in working with award winning lighting designers, providing the control tools to help them create ground breaking, innovative and inspirational lighting.

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 Cat5 cabling and uses the extremely robust “CANbus” protocol for communicating network messages.

The iLight system also offers RS232 and RS485 for easy integration with AV and other peripheral equipment. A range of interfaces allows the cost effective iLight system to form the hub of a smart-home installation, removing the need for additional control systems.

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.

The iLight system is software based. It provides the user with immense flexibility and is easy to live with. The configuration and programming software coupled with configurable user interfaces means that the system operation can be easily and conveniently changed as needed. This allows owners to obtain maximum benefit and low cost of ownership from the system during the lifetime of the installation.

Peace of Mind

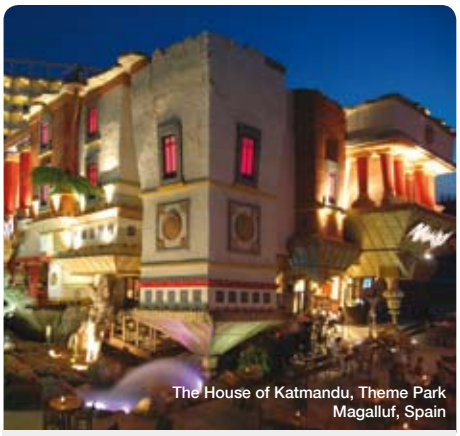
When installed, operated and maintained correctly, the iLight product range is designed to be durable and reliable. We take our CE compliance very seriously, utilising both in-house and independent test houses to ensure we comply. Cooper Controls is ISO90001:2000 accredited and we offer a 30 month standard warranty on all of our products.

Special Projects

Our engineering department thrive on providing technical solutions to design lead innovation. Our team of engineers have a vast range of experience in dealing with all manner of complexity and scale of projects. Cooper Controls is able to deliver bespoke solutions and manage their execution to a successful completion, on time and on budget.

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.



The House of Katmandu, Theme Park
Magalluf, Spain

Architainment

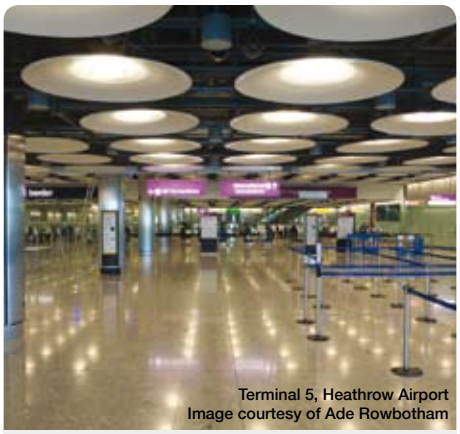
This is the generic name used to describe the use of entertainment lighting practices in an architectural environment. It is used for Theme Parks and the exterior lighting of both Public and Commercial buildings such as Retail Shopping Centres and Casinos.

The iLight network backbone can be used 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, air conditioning plus integration with security systems and water features are all part of our offering. Bespoke colour LCD touchscreen controllers, which Cooper Controls offer at a truely affordable price, provide the ideal interface to control any system in the home.

The distributed data processing concept of the iLight network ensures maximum flexibility coupled with low cost of ownership. Where integration is needed with Crestron or AMX central control systems, iLight offers a number of choices for efficient two way communication.



Terminal 5, Heathrow Airport
Image courtesy of Ade Rowbotham

Commercial

In addition to offering Lighting Management control systems, iLight products can also integrate with other building systems. 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 and RS485. In addition to this we offer a range of smart and programmable interface devices some with sequencing and programmable logic control.

In high specification areas such as board rooms or conference suites, the iLight system can offer Smart Home style integration of Audio Visual, lighting and blinds for the ultimate professional presentation.

Network overview

one network - fully scaleable

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

Up to 65000 devices may be connected to a single iLight network and with distributed data processing it is truly scaleable. 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.

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.

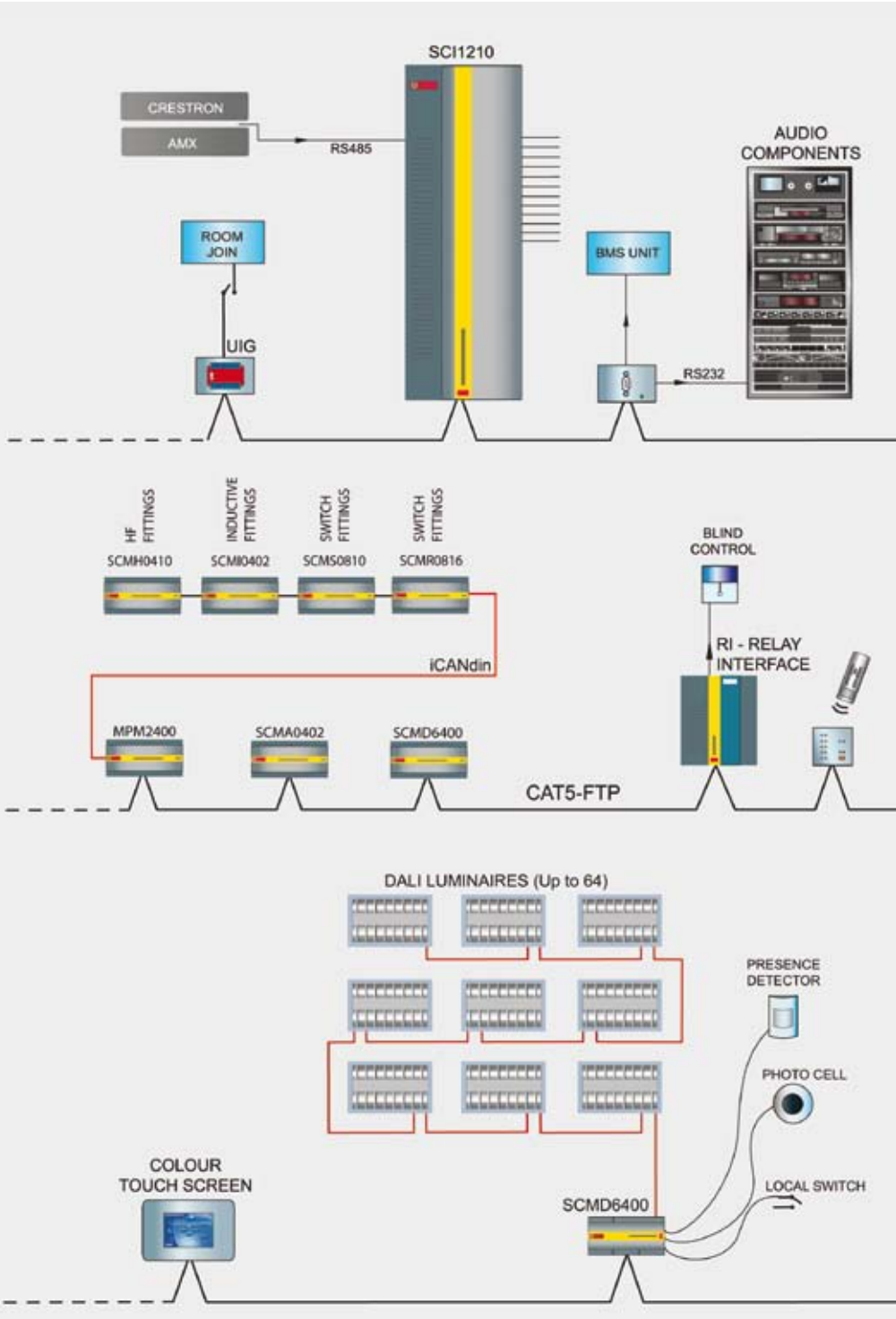
The network utilises standard CAT5 FTP cable and can be up to 1 kilometre between nodes.

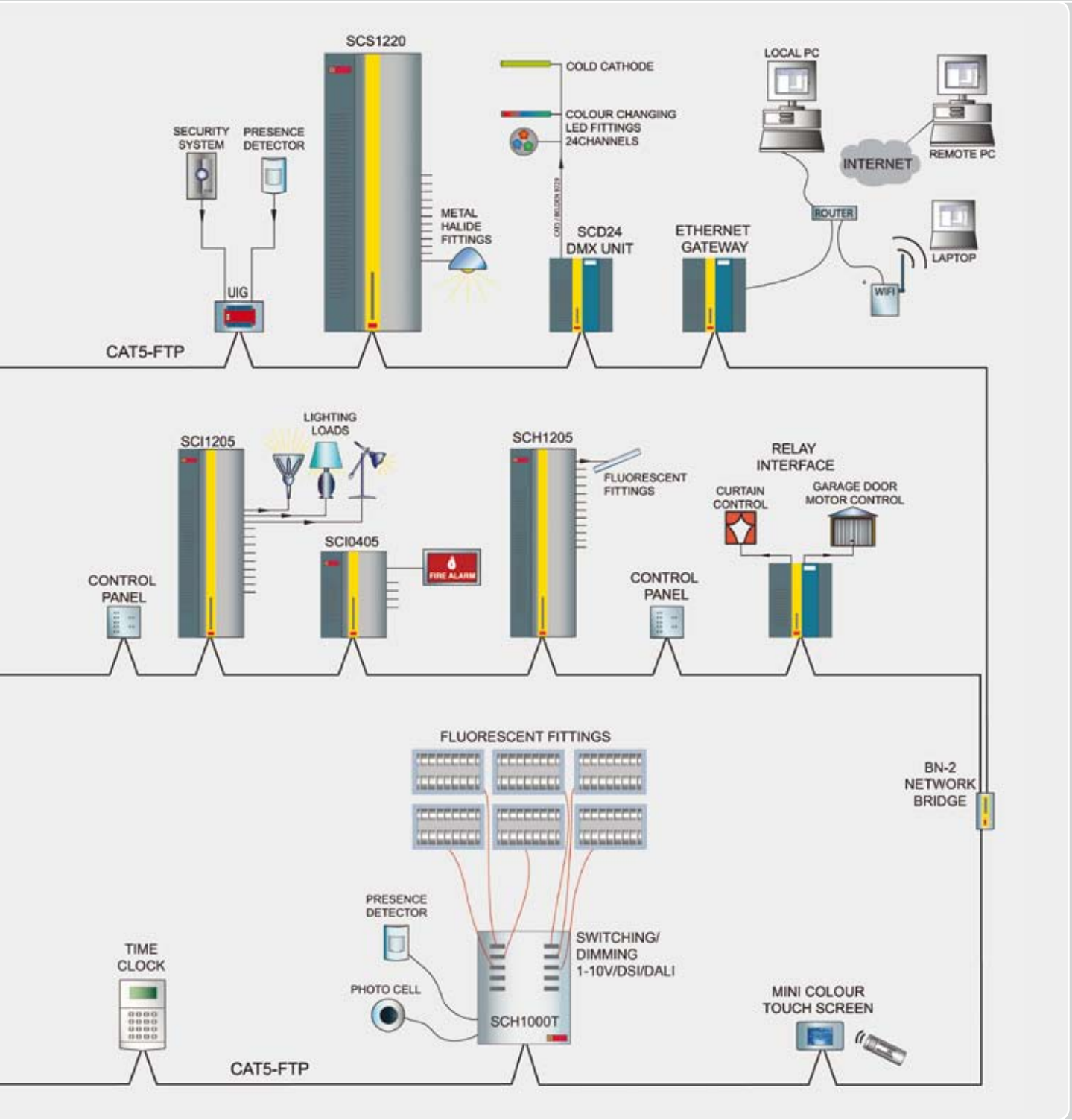
Connectivity

The iLight system provides connectivity to the following protocols;

Architainment
DMX512
MIDI
Ethernet

Commercial & Residential
Ethernet
DSI
DALI
1-10V
CAN
RS232
RS485




SCS1220
COLD CATHODE
COLOUR CHANGING
LED FITTINGS
24CHANNELS
LOCAL PC
REMOTE PC
INTERNET
ROUTER
LAPTOP
WIFI
SECURITY
SYSTEM
PRESENCE
DETECTOR
METAL
HALIDE
FITTINGS
SCD24
DMX UNIT
ETHERNET
GATEWAY
UIG
CAT5-FTP
LIGHTING
LOADS
SCI1205
SCH1205
FLUORESCENT
FITTINGS
RELAY
INTERFACE
CURTAIN
CONTROL
GARAGE DOOR
MOTOR CONTROL
SCI0405
FIRE ALARM
CONTROL
PANEL
CONTROL
PANEL
FLUORESCENT FITTINGS
BN-2
NETWORK
BRIDGE
PRESENCE
DETECTOR
SWITCHING/
DIMMING
1-10V/DSI/DALI
TIME
CLOCK
PHOTO CELL
SCH1000T
MINI COLOUR
TOUCH SCREEN
CAT5-FTP

Control Panels

iLight control panels are powerful and easy to use. They can elegantly integrate with Audio Visual and Building Management Systems; the iLight range offers the ultimate in interfacing.

The iLight control panel range can be configured to match any specification for scene setting, graphical touch screen control, time based scene selection, sequencing, and simple manual switch or fader control. Standard panels are supplied pre-loaded with a basic program to allow on-site testing prior to commissioning. There are three control panel ranges available, Classic, Classic Plus and the slim & elegant Architrave range.

Classic Series

Classic Series Features

- Up to 10 configurable, internally illuminated push buttons 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 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.
- Fits standard 35mm deep UK back box.

Any button can be configured to one of the following:

- Scene selection.
- 8 Sequences with up to 30 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.

Note: The LED indicators can also be programmed to indicate any desired function or can be simply disabled. For example, when a sequence has been initiated the LED in the start sequence button may flash, stopping once the sequence has been completed.

Classic Plus Series

iLight Classic & Classic Plus control panels are supplied with a choice of Wandsworth Series 2 or Series 3 face plates in 15 different finishes and integral blue LED indicators.

They 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 for the Classic Series 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.

Cooper Controls offer a special order service for panel engraving and button legends. Bespoke panels are also available; please contact our sales team for further information.

The Classic Plus range also has the advantage of being 'Euro friendly' - due to their compact circular backbox design, they can fit directly into both UK and the majority of European round backboxes.

Classic Plus Series Features

- Up to 10 configurable, internally illuminated push buttons.
- Optional IR remote control receiver (not available with 10 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.
- Fits standard 35mm deep UK back box AND Euro DIN back box.

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.

Control Panels

Architrave Series

Architrave Control Panel Features

- Available in 2, 5 and 7 illuminated push button configurations.
- 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)
- Uses iLight custom backbox.

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.

Options include:

Hole punching or engraving of standard style plates or free issued non-Wandsworth flat plates.
Button cap engraving.
Integration with Audio Visual control panels.
Special size control panels with third party controls (e.g. heating controls).

Ineo Series

Ineo is 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 button configurations. 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.

The Ineo series is available in three standard finishes, Black, White and Ivory and has many different button configurations. Custom button engraving is also available.

Ineo Series Features

- Available in Black, White & Ivory finishes.
- 10 panel variants.
- Each button individually configurable via iCANsoft.
- Variable fade times programmable from 0.1seconds to 60 minutes per button.
- Built-in infrared receiver with learnable remote codes.
- 12Vdc powered direct from iLight network
- Tested to withstand 12kV electro-static. discharge without damage or memory loss.
- Flash memory for future proof upgradeability Connects via Cat5 FTP using terminals
- Buttons include scene, raise, lower, on, off functionality.
- 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 overide fade time
- All plastic construction with a separate snap-on surround
- Requires NEMA (US Style) backbox
- 3”h x 2”w x 2.5”d
- Temperature Range: 0°C to +40°C
- Humidity: 0% - 95% non condensing

Control Panels

Revio Series

The Revio user interface is highly intuitive and provides advanced lighting control in the latest, high-tech design. This control eliminates end user confusion by combining an easily identifiable power button with light icon, a rotary control, a liquid glass-styled touch panel and a customizable descriptive insert. While the original rotary dimmers controlled one area of lights, the Revio rotary dimmer controls multiple groups of lights individually or together.

Revio Control Panel Features

- 8 touch sensitive switches individually illuminated with the selected scene brightly lit.
- Audible feedback when a switch is activated.
- Rotary control provides raise / lower function.
- Variable fade times programmable from 0.1seconds to 60 minutes per button.
- Built-in infrared receiver with learnable remote codes.
- 12Vdc powered direct from iLight network.
- Tested to withstand 12kV electro-static discharge without damage or memory loss.
- Flash memory for future proof upgradeability.
- 16 Sequences with up to 128 steps per sequence.
- Connects via Cat5 FTP using terminals.
- Labelling, color, style, language and logos completely customisable.
- Printed inserts easily produced to your requirements.
- Tap on/off feature to overide 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.
- All plastic construction with a separate steel chassis that is affixed to wallbox as first fix with the unit attaching to chassis with screws.
- Requires NEMA (US Style) backbox 3”h x 2”w x 2.5”d

The customisable printed insert is capable of describing the unique zone or scene configurations of any project. The insert is covered in a UV-protected, clear plastic providing longevity of graphics and a surface that can be wiped clean. Below shows various examples from subtle tones to match interior decoration to personalised themes.

Common Control Panel Configurations:

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

CSR053-PB
5 button Series 3 panel with polished brass finish. Shown with special engraving.

CRP073-W
7 button Series 2 panel with a white finish. 4 scenes + off + raise and lower.

CSR053-LMS
5 button double gang panel with key switch function.

CRP173-LSS
17 button double gang panel with combined audio control (Special).

ASR073-SS
ASR053-SS
Screwless type 7 & 5 button panels in satin stainless steel

CSR023-AB
2 button Series 3 panel with antique bronze finish.

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

CRP093-SS
9 button Series 3 panel with satin stainless steel finish.

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

CSR203-LMS
20 button double gang, Series 3 panel in satin stainless steel.

ERP073-SS
7 button Series 3 panel with a satin stainless steel finish.

CSR043-SS
4 button Series 3 panel with satin stainless steel finish.

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

CRP102-PB
10 button Series 2 panel with polished brass finish.

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

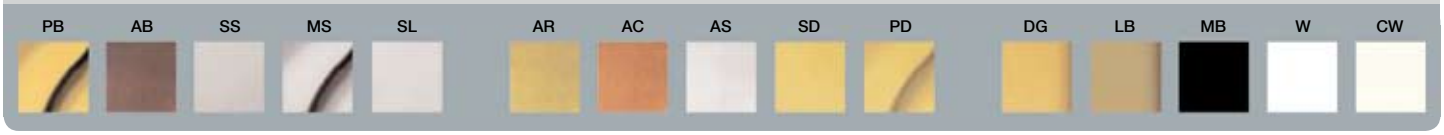
ASR072-SS
ASR052-SS
Screw type 7 & 5 button panels in satin stainless steel

ERP102-SS
10 button Series 2 panel with satin stainless steel finish.

Control Panel Finish Codes

Available for the Classic and Classic Plus ranges. Architrave panels come in Satin Stainless Steel (Other finishes available on special order)

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



LCD Colour Touchscreens

TSC30 - 3.5" Mini Colour Touchscreen

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.

The touchscreens provide a virtually limitless flexibility of system configuration and control. The units are completely software based and can be tailored to suit the needs of the user. Building plans, photos and 3D graphics can all be used to customise the display to meet individual tastes and themes.

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

TSC50

TSC30

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.
- TSC30 - Fits standard UK double gang backbox.
- TSC50 - Used with custom backbox.
- Fully compatible with all other iLight products.
- Including external DC power supply.

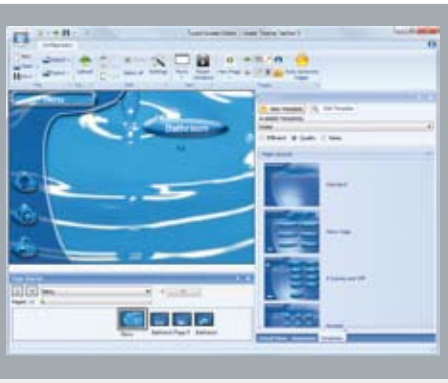
Functionality

- 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 powdercoat or stainless steel finishes as standard. Many other finishes available on special order.

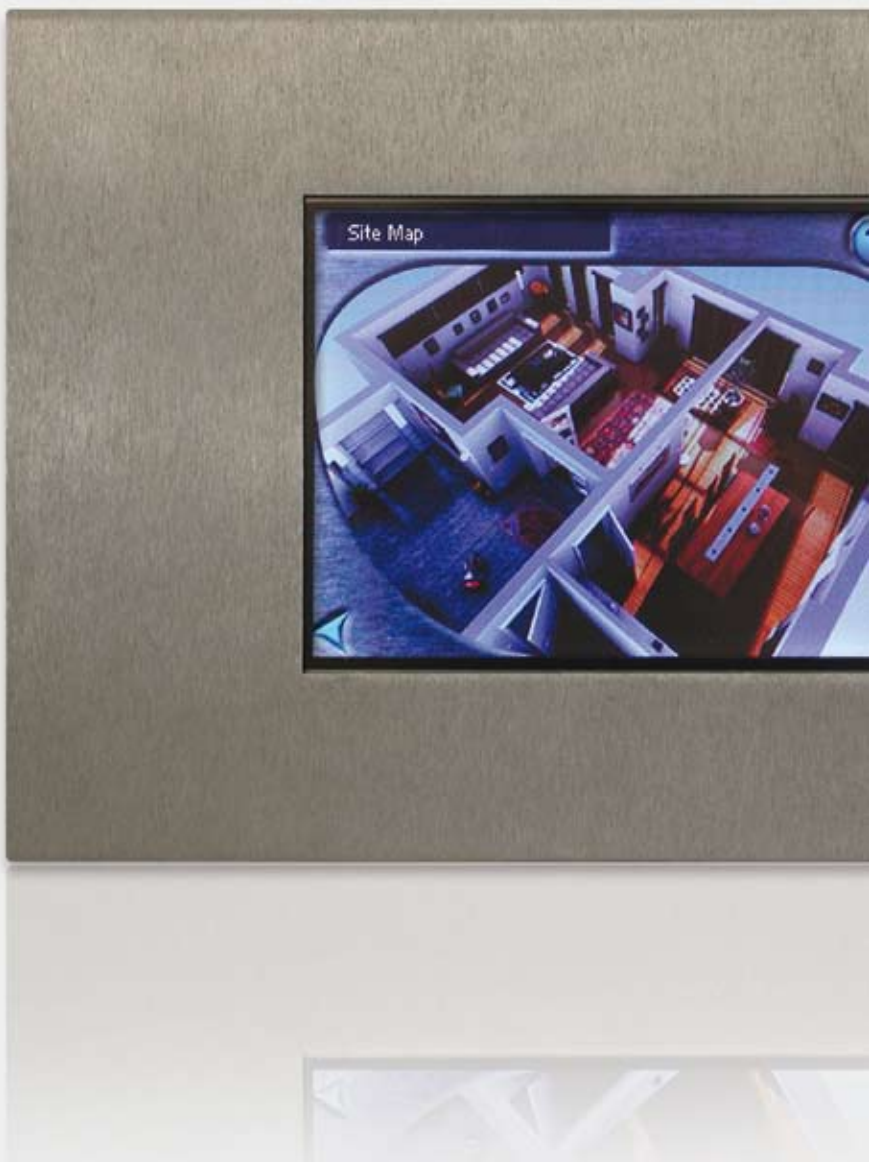
‘User Friendly’ Software

Screen design and customisation is achieved using the iLight bespoke software program iCANsoft, which incorporates a design mode which allows easy manipulation of each individual page.

Background images can be quickly applied using the browse function and virtual buttons positioned at any point with a simple ‘drag & drop’ action. Buttons can also be animated, producing a ‘press in & out’ effect. By applying a different appearance to the button, they can be used to show when a function has been activated.



customise your graphics



Source Controllers

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

They offer unrivalled choice of control with a substantial range of options enabling the specifier and installer to build up any size of system in virtually any combination. All products are future proof due to their software-based structure and upgradeable firmware.

Our extensive experience in architectural lighting controls has enabled us to incorporate a wealth of small, detailed features that collectively make the best all round source controllers available today.

Key features

General

- 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 trailing edge & 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 CAT5 cable
- Audio Visual (RS485) port
- Optional DMX input
- Auxiliary over-ride port
- CE compliant

Mechanical

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

Electronic

- Circuit and device protection from a choice of MCB styles to comply with most regulatory standards (single pole, double pole, neutral disconnect 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
- Over heat protection

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 quite operation.
Complete with iPROTECT™ lamp protection and auto short circuit protection. Channels may be selected for leading and trailing edge operation.

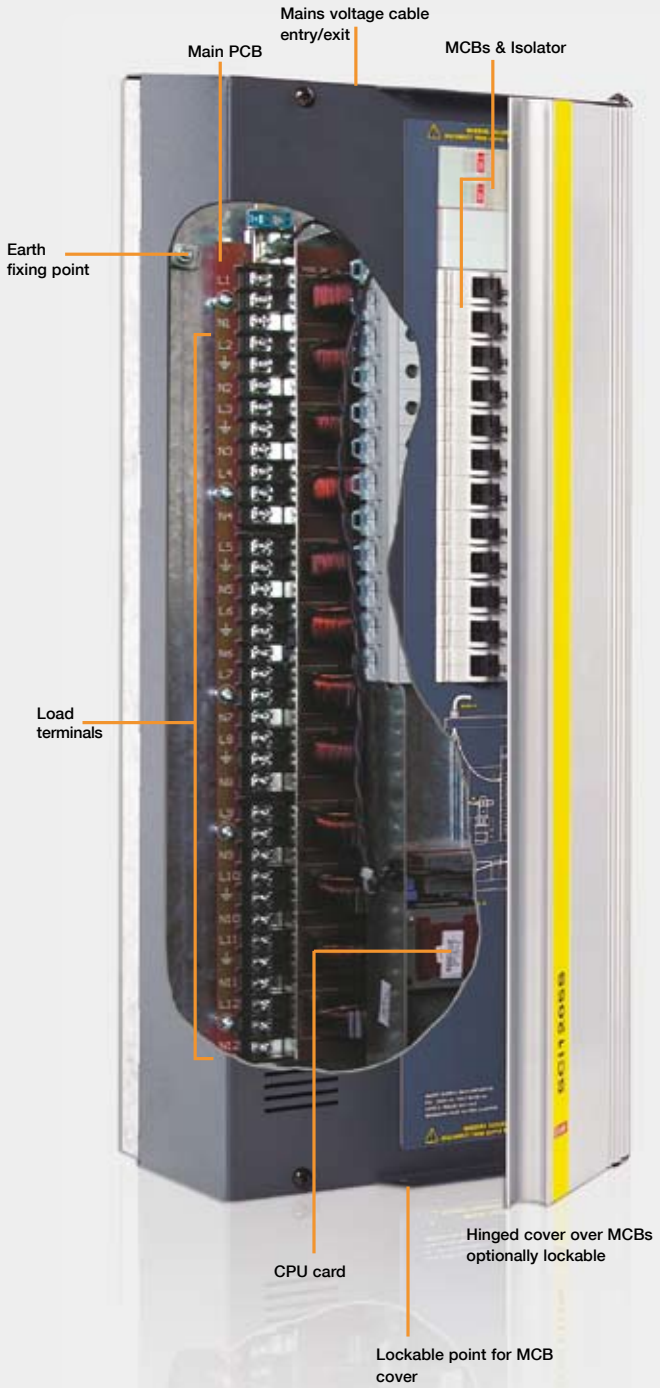
Transistor Source Controllers
Dim resistive, inductive and electronic loads (trailing edge). Very quiet operation. Complete with iPROTECT™ lamp protection and auto short circuit protection.

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.

Internal view of an iLight Source Controller



Source Controllers

S - Single Pole, **N** - Neutral Disconnect, **D** - Double Pole, **T** - Terminals, **RCBO** - RCBO Breakers, **RCBOX** - Field fitting of RCBOs

Inductive Leading Edge Source Controllers

SCI0405S
SCI0405N
SCI0405D
SCI0405RCBO
SCI0405RCBOX

- 4 x 5 Amp iCAN 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 Kilograms (RCBO & RCBOX - 4.5 Kilograms)

Input isolator only included on RCBO and RCBOX versions

SCI1205S
SCI1205N
SCI1205D
SCI1205RCBO
SCI1205RCBOX

- 12 x 5 Amp iCAN 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 Kilograms (RCBO & RCBOX - 11.5 Kilograms)

SCI0110T

- 1 x 10 Amp iCAN inductive source controller module
- Suitable for 10 Amp single phase supply
- Dimensions: 240x220x80mm
- Weight: 2.5 Kilograms

Input isolator not included

SCI0410S
SCI0410N
SCI0410D
SCI0410RCBO
SCI0410RCBOX

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

Input isolator only included on RCBO and RCBOX versions

SCI1210S
SCI1210N
SCI1210D
SCI1210RCBO
SCI1210RCBOX

- 12 x 10 Amp iCAN 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
- Weight: 18 Kilograms (D, RCBO, RCBOX - 19.5 Kilograms)

Inductive Leading Edge Source Controllers - continued

SCI0420S
SCI0420N
SCI0420D
SCI0420RCBO
SCI0420RCBOX

- 4 x 20 Amp iCAN 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 Kilograms (SCI0420D - 12 Kilograms)

Input isolator only included on RCBO and RCBOX versions

SCI1220S
SCI1220N
SCI1220D
SCI1220RCBO
SCI1220RCBOX

- 12 x 20 Amp iCAN 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 - Consult iLight)
- Weight 22 Kilograms (SCI1220D - 23.5 Kilograms)

Adaptive Leading or Trailing Edge Source Controllers

SCA0410S
SCA0410N
SCA0410D
SCA0410RCBO
SCA0410RCBOX

- 4 x 10 Amp iCAN 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 Kilograms (SCA0410D - 10 Kilograms)

Input isolator only included on RCBO and RCBOX versions

SCA1210S
SCA1210N
SCA1210D
SCA1210RCBO
SCA1210RCBOX

- 12 x 10 Amp iCAN 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 Kilograms (SCA1210D - 19.5 Kilograms)

Input isolator only included on RCBO and RCBOX versions

Combined Source Controllers

SCI0805T
SCI0805S
SCI0805N
SCI0805RCBO
SCI0805RCBOX

- 8 x 5 Amp 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 Kilograms (RCBO & RCBOX - 8 Kilograms)

Input isolator only included on RCBO and RCBOX versions

Which product to use? - refer to the product selector, Page 25

Source Controllers

S - Single Pole, **N** - Neutral Disconnect, **D** - Double Pole, **T** - Terminals, **RCBO** - RCBO Breakers, **RCBOX** - Field fitting of RCBOs

Trailing Edge Source Controllers

SCT0405S
SCT0405N
SCT0405D
SCT0405RCBO
SCT0405RCBOX

- 4 x 5 Amp iCAN trailing edge source controller module
- Suitable for 20 Amp single phase supply
- MCB protection behind lockable hinged cover
- Dimensions: 280x220x155mm (RCBO & RCBOX - 340x255x155mm)
- Weight: 4 Kilograms (RCBO & RCBOX - 4.5 Kilograms)

Not suitable for magnetic loads. Input isolator only included on RCBO and RCBOX versions

SCT1205S
SCT1205N
SCT1205D
SCT1205RCBO
SCT1205RCBOX

- 12 x 5 Amp iCAN trailing edge source controller module
- Suitable for 40 Amp single phase supply
- MCB protection behind lockable hinged cover
- Dimensions: 550x220x155mm (RCBO & RCBOX - 550x255x155mm)
- Weight: 10 Kilograms (RCBO & RCBOX - 11.5 Kilograms)

Not suitable for magnetic loads. Input isolator only included on RCBO and RCBOX versions

HF Ballast Controllers

SCH0410S
SCH0410N
SCH0410D
SCH0410RCBO
SCH0410RCBOX

- 4 x 10 Amp iCAN 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 Kilograms (D, RCBO & RCBOX - 5 Kilograms)

Input isolator only included on RCBO and RCBOX versions

SCH1210S
SCH1210N
SCH1210D
SCH1210RCBO
SCH1210RCBOX

- 12 x 10 Amp iCAN 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 Kilograms (D, RCBO & RCBOX - 10.5 Kilograms)

SCH1220S
SCH1220N
SCH1220D
SCH1220RCBO
SCH1220RCBOX

- 12 x 20 Amp iCAN 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 Kilograms (D, RCBO & RCBOX - 10.5 Kilograms)

Switched Relay Controllers

SCS0410S
SCS0410N
SCS0410D
SCS0410RCBO
SCS0410RCBOX

- 4 x 10 Amp iCAN 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 Kilograms (D, RCBO & RCBOX - 5 Kilograms)

Input isolator only included on RCBO and RCBOX versions

SCS0420S
SCS0420N
SCS0420D
SCS0420RCBO
SCS0420RCBOX

- 4 x 20 Amp iCAN 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 Kilograms (D, RCBO & RCBOX - 5 Kilograms)

Input isolator only included on RCBO and RCBOX versions

SCS1210S
SCS1210N
SCS1210D
SCS1210RCBO
SCS1210RCBOX

- 12 x 10 Amp iCAN 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 Kilograms (D, RCBO & RCBOX - 10.5 Kilograms)

SCS1220S
SCS1220N
SCS1220D
SCS1220RCBO
SCS1220RCBOX

- 12 x 20 Amp iCAN 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 Kilograms (D, RCBO & RCBOX - 10.5 Kilograms)

Emergency Source Controllers

SCH0410SEM
SCH0410SEMCTU
SCI0410SEM
SCI0410SEMCTU
SCI1205SEMCTU
SCI1210SEMCTU
SCH1210SEMCTU
SCS1210SEMCTU

iLight can also provide a range of source controllers with inbuilt contactors and timers designed to assist in the duration testing of integral battery emergency light fittings. These will be of benefit in situations where local standards require a central point for testing of emergency lighting. CTU denotes the inclusion of a Central Test Unit. The source controllers are available in virtually all types and in 4 and 12 channels however physical size restrictions on some devices mean that not all variants are possible. Contact iLight Sales to discuss your requirements.

Which product to use? - refer to the product selector, Page 25

DINrail Source Controllers

An alternative to the iLight modular rack system is the DINrail mounted system. The DINrail range utilises the same connectivity as our other products but is designed specifically for the systems integration 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
- A multi-function switch for scene selection and by-pass

The MPM unit is complemented by a range of low cost power modules which can be used in various combinations up to the 24 channel limit of the MPM. The MPM connects to the slave units via short serial link cables (included). Slaves include a choice of a 4-circuit leading edge controller (SCMI), an HF ballast controller for 1-10 volt/DSI (SCMH) as well as 4 & 8 channel power relay units (SCMS).

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.

DINrail Range - Stand Alone

SCMA0402

No master required

- 4 x 2Amp Adaptive Leading or Trailing Edge Source Controller
- Max total load 10A
- Dimensions: 227x90x48mm
- Weight: 1 Kilogram

SCMD6400

No master required

- 64 x Addressable DALI Ballasts Controller Module, 16 groups
- Max total load 16A (Switched outputs)
- Dimensions: 160x90x58mm
- Weight: 1 Kilogram

DINrail Range - Master & Output Modules

MPM2400

Master

- Master control of up to 24 channels of switching and dimming
- Built in system power supply
- Use with SCMI, SCMS & SCMH slave units
- Dimensions: 160x90x58mm
- Weight: 1 Kilogram

SCMI0402

Connects to MPM

- 4 x 2Amp Inductive Leading Edge Source Controller
- Max total load 5A
- Dimensions: 160x90x58mm
- Weight: 1 Kilogram

SCMS0410

Connects to MPM

- 4 x 10Amp Switching Source Controller
- Max total load 16A
- Dimensions: 160x90x58mm
- Weight: 1 Kilogram

SCMS0810

Connects to MPM

- 8 x 10Amp Switching Source Controller
- Max total load 16A
- Dimensions: 160x90x58mm
- Weight: 1 Kilogram

SCMR0816

Connects to MPM

- 8 x 16 Amp Feed-Through Relay Controller
- Switches resistive, inductive and capacitive lighting loads
- Dimensions: 160x90x58mm
- Weight: 1 Kilograms

SCMH0410

Connects to MPM

- 4 x 10Amp HF Ballast Controller
- 1-10V, DSI or DALI control output
- Max total load 16A
- Dimensions: 160x90x58mm
- Weight: 1 Kilogram

Which product to use? - refer to the product selector, Page 25

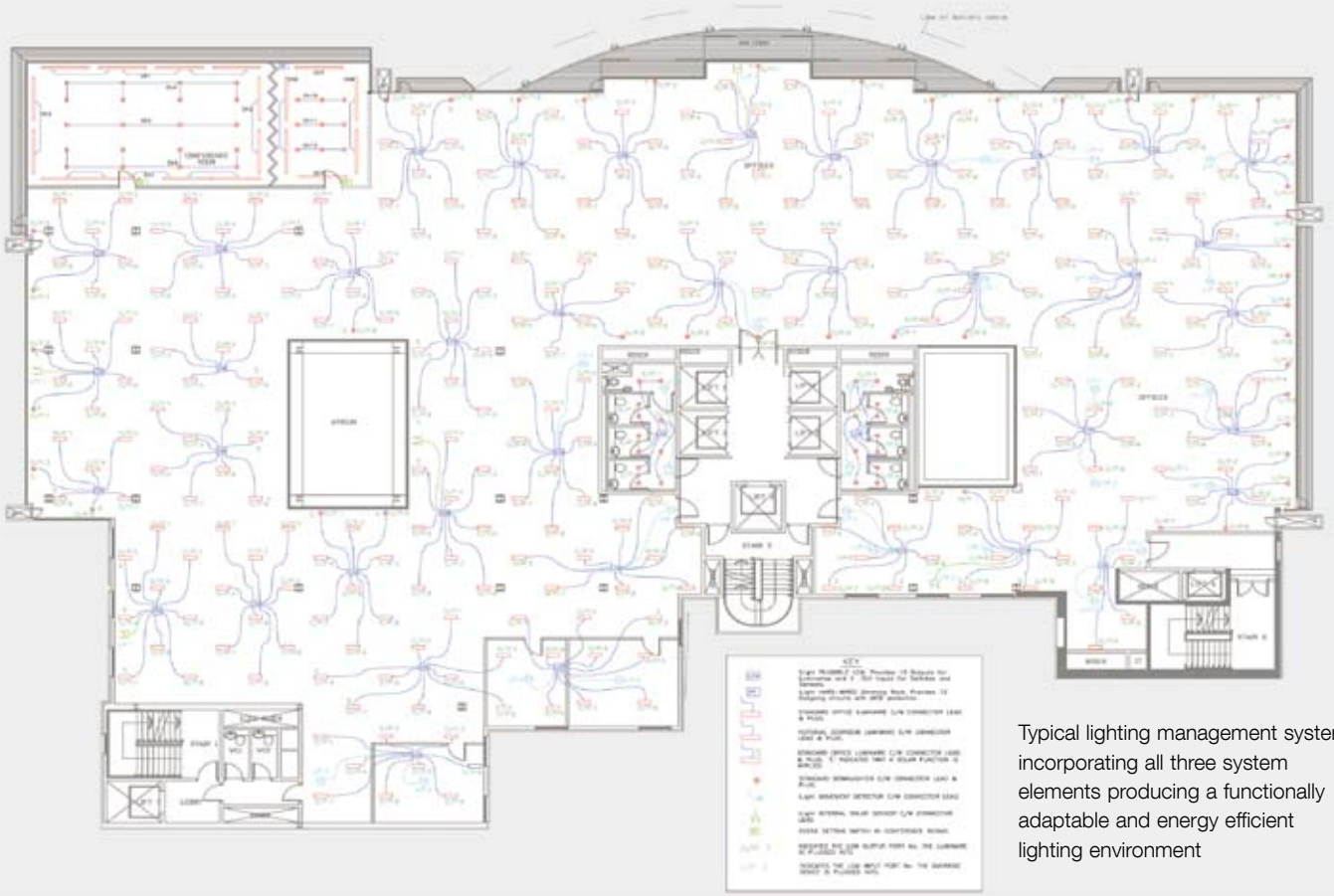
Lighting Management Systems

Lighting Management control systems are focused on the control of lighting for energy saving, wiring convenience and to manage the need for change and flexibility of use in the commercial environment. They are an important tool for the planned maintenance of artificial lighting.

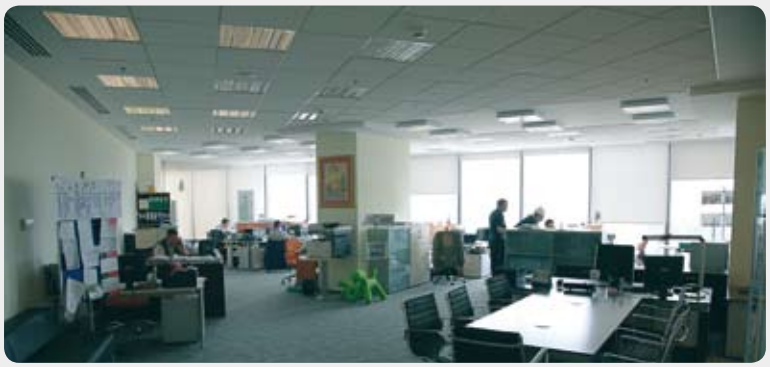
The LCM solutions from iLight are built on the concept of product building blocks. These can be put together in any order to build any scale of system, with varying degrees of functionality.

An LCM system consists of three elements:

- User Interfaces (Control Plates)
- Source controllers and their associated peripherals (including sensors)
- Programming and monitoring software



Typical lighting management system incorporating all three system elements producing a functionally adaptable and energy efficient lighting environment



Lighting Control Modules

SCH1000T

This unit has 10 circuits of power switching (via integral relays) and is suitable for HF fluorescent ballasts requiring 1-10 volt, DSI or Broadcast DALI control. In addition to the iCANnet connectivity, it also has inputs for retractive switches, PIR and PE cells.

- 10 x 4Amp Control Module
- Dimensions: 402x252x80mm
- Weight: 5 Kilogram

SCH1200T

12 channel 1-10V/DSI/ Broadcast DALI ballast controller. (Control only, no power switching).

- 12 Channel Control Module
- Dimensions: 240x220x80mm
- Weight: 3 Kilogram

SCMD6400T

A DIN rail mounting DALI controller capable of controlling up to 64 individually addressable DALI ballasts. The unit has screw terminal outputs for the DALI signal and also for a single relay-switched 16A power circuit that can be used for power supply to the lamps. The unit also has 4 switch and 3 sensor inputs. The three sensor inputs are each capable of connecting a combined motion and PE sensor or, with appropriate adaptor, 2 motion sensor circuits (each capable of having several sensors in parallel). The 4 switch inputs allow connection of two retractive switches or can be configured for additional motion sensor inputs.

- 64 x Addressable DALI Ballasts Controller Module, 16 groups
- DIN rail mounting
- Dimensions: 160x90x58mm
- Weight: 1 Kilogram

Which product to use? - refer to the product selector, Page 25

Source Controller Selector

Product	No. of Channels	Amps per Channel	Versions Available	Supply (Amps)	Suitable for 3 Phase	Dimensions (mm)	Weight Kg
Inductive Controllers							
SCMI0402	4	2	N/A	5	N	160x90x58	1
SCI0405	4	5	S,N,D, RCBO	20	N	**S&N:** 280x220x155 **D:** 400x220x155 **RCBO:** 340x255x155	4
SCI1205	12	5	S,N,D, RCBO	40	N	**S&N:** 550x220x155 **D:** 690x220x155 **RCBO:** 550x255x155	10
SCI0110	1	10	T	10	N	240x220x80	2.5
SCI0410	4	10	S,N,D, RCBO	40	N	400x220x155	7, 8
SCI1210	12	10	S,N,D, RCBO	40	Y	850x330x155	18, 19.5
SCI0420	4	20	S,N,D, RCBO	80	N	**S&N:** 375x330x155 **D:** 450x330x155	9, 12
SCI1220	12	20	S,N,D, RCBO	80	Y	850x330x155	22, 23.5
Transistor Dimmer							
SCT0405	4	5	S,N,D, RCBO	20	N	**S&N:** 280x220x155 **D:** 400x220x155 **RCBO:** 340x255x155	4
SCT1205	12	5	S,N,D, RCBO	40	N	**S&N:** 550x220x155 **D:** 690x220x155 **RCBO:** 550x255x155	10
Adaptive Controllers							
SCMA0402	4	4	N/A	10	N	227x90x48	1
SCA0410	4	10	S,N,D, RCBO	40	N	375x330x155	9, 10
SCA1210	12	10	S,N,D, RCBO	40	Y	850x330x155	18, 19.5
Combined Controllers							
SCI0805	8	5	S,N,T, RCBO	2x20	N	**S,N&T:** 400x220x155 **RCBO:** 440x255x155	7
HF Ballast Controllers							
SCH1000T	10	4	N/A	16	N	402x252x80	5
SCH1200T	12	4	N/A	N/A	N/A	240x220x80	3
SCMD6400T	64	N/A	N/A	16	N	160x90x58	1
SCMH0410	4	10	N/A	16	N	160x90x58	1
SCH0410	4	10	S,N,D, RCBO	40	N	**S&N:** 280x220x155 **D:** 400x220x155 **RCBO:** 340x255x155	4, 5
SCH1210	12	10	S,N,D, RCBO	40	Y	**S&N:** 550x220x155 **D:** 690x220x155 **RCBO:** 550x255x155	9, 10.5
SCH1220	12	20	S,N,D, RCBO	80	Y	**S&N:** 550x220x155 **D**: 690x220x155 **RCBO:** 550x255x155	9, 10.5
Switched Relay Controllers							
SCMS0410	4	10	N/A	16	N	160x90x58	1
SCMS0810	8	10	N/A	16	N	160x90x58	1
SCS0410	4	10	S,N,D, RCBO	40	N	**S&N:** 280x220x155 **D:** 400x220x155 **RCBO:** 340x255x155	4, 5
SCS1210	12	10	S,N,D, RCBO	40	Y	**S&N:** 550x220x155 **D:** 690x220x155 **RCBO:** 550x255x155	9, 10.5
SCS0420	4	20	S,N,D, RCBO	80	N	**S&N:** 280x220x155 **D:** 400x220x155 **RCBO:** 340x255x155	4, 5
SCS1220	12	20	S,N,D, RCBO	80	Y	**S&N:** 550x220x155 **D:** 690x220x155 **RCBO:** 550x255x155	9, 10.5

iCANsoft

iCANsoft is the iLight application software. It allows users to set up, configure, programme and monitor the iLight system. It's intuitive, wizard based format has been especially designed to provide simple, easy to follow on screen help functions that guide system integrators, electrical contractors and end users through the programming process.

There are 3 principal views within the software

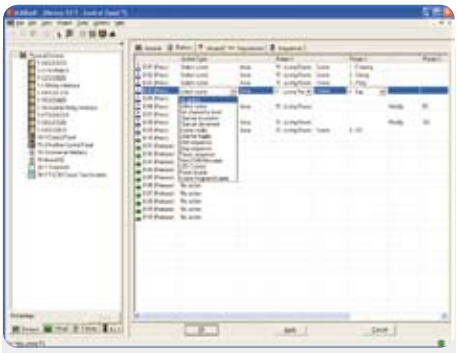
Programming Configuring Monitoring

Programming – Network Explorer

This view provides a physical view of the network and all devices connected to it. Intuitive wizards allow quick and easy set up of the iLight system. Components can be added easily via drop down menus or drag and drop. It is also possible to name and configure the devices.

Offline programming options allow commissioning engineers to set up the networks off site, greatly reducing onsite programming time. Once on site, an engineer can search for the network components and identify all devices in the installation. Engineers can then "talk" to the devices and make any changes if required.

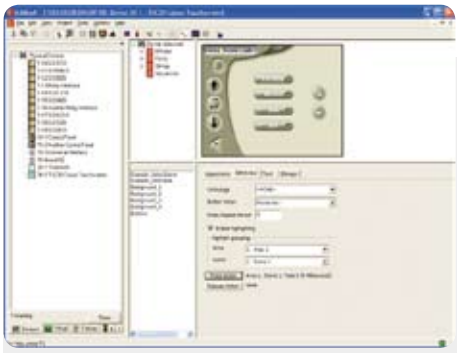
iCANsoft also provides wizards to help create stunning bespoke touch screens in the minimum of time. Templates allow you to configure and programme the number and action of the buttons on the screen whilst an ever increasing number of design styles allow totally unique graphics to be created.



Configuring – Area Explorer

Area Explorer is the virtual view of the network. In this view it is possible to create up to 255 areas within a single network segment. In a hotel for example these areas might include the lobby, reception, ballroom, and the restaurant. Using iCANsoft you can name these areas logically so they are easy to identify and program.

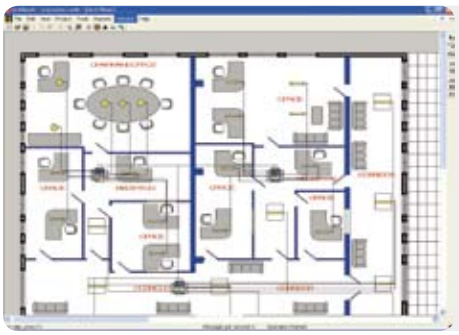
Once areas have been named, devices can be easily assigned to them by dragging and dropping them into the relevant areas. Users can then use the programming wizards to select preset scenes, set levels and fade time, configure room joins and much more.



Monitoring - Network Monitor

iCANsoft's monitoring options are an invaluable tool for larger iLight systems. They provide maintenance staff and commissioning engineers with a comprehensive diagnostics package for managing the system.

Network monitor can be used to identify devices on the network, log and record network traffic, identify system usage, help monitor lamp life and identify network faults.



Monitoring - iCANview

The addition of an iCANview Floorplan or Scene Control software enhancement package enables a graphic layout view or operation of an installation with full interaction with iCANsoft. Requires external PC and additional commissioning.

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.

Ethernet Gateway

EG-1

The Ethernet Gateway to iLight network provides connection between an iLight network and an Ethernet LAN. This allows a user to control and configure the iLight system using iCANsoft on a LAN network PC rather than by connecting directly into the network.

Where a wireless LAN is in place (or by connecting a wireless router into the EG-1) the user can access the network with a Wi-Fi enabled PC, giving freedom of movement during commissioning.

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

- Configurable IP address
- Multiway Router setting
- Facilitates internet and Wi-Fi LAN connection into the iLight network
- Dimensions: 240 x 220 x 80mm
- 3 Kg

System Integrator Node

SI-2

The bi-directional System Integrator Node allows control of a wide range of 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.

The SI-2 converts iLight protocol into third party device compatible RS232 protocol enabling a sequence of commands to start from the touch of a button. For example in a home cinema - lights dim, blinds close, audio system turns on, screen opens, projector turns on and the DVD starts.

- 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 iCAN 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: 23 x 42 x 96mm

Relay Interface

RI

The Relay Interface provides a versatile interface between iLight 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 inputs - programmable as analogue or digital
- Digital inputs used for volt free switches or motion detectors
- Analogue inputs to any 0-10V signal
- 8 relay outputs
- 16 sequences each with a maximum of 128 actions
- Audio Visual RS485 port
- Dimensions: 240 x 220 x 80mm
- 3 Kg

DMX Controller

SCD24

The SCD24 is a 24 channel DMX controller. It is designed to provide scene set dimming for any DMX512 controlled load via the iLight network.

- DMX controller
- 24 channels.
- 128 scene memory
- iLight network inputs
- Dimensions: 240 x 220 x 80mm
- 3 Kg

See also Lightfactory on Page 29 for larger DMX systems

Optional Plugin DMX Interface Board

DI-1

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

BN-2

iLight network segment to iLight network segment bridge device

- Repeater where cable lengths exceed 1000m
- 16 sequences each with a maximum of 128 actions
- Programmable sequence capability
- Message filtering and isolation for large networks
- Dimensions: 240 x 220 x 80mm
- 3 Kg

Starbox

STARBOX

Starwire interface enabling the iLight network to be locally split up six ways.

Universal Interface

UIG

The UIG allows other items such as partition switches or PE cells 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
- 1 dedicated photocell input
- 16 sequences each with a maximum of 128 actions
- Fits standard UK style double gang 35mm deep back box

Mini UIG

UIM

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

Accessories

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

Astronomical Time Clock

TC-1

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

IR Receivers and Transmitters

HH07IR

iLight hand held remote

- 7 button IR transmitter
- Four scenes, off, raise and lower

Pronto

Pronto Software

iCANpronto is a unique program designed for use with a Philips Pronto remote control. The program allows control and scene programming of each area of an iLight system via the control panel's infrared receiver.

Software Accessories

SW2

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

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

iCANview

iCANview - Floorplan

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

iCANview - Scene Control

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

Lightfactory

Lightfactory DMX Control Software

Unique and powerful PC based lighting control system.

- Interfaces to iCAN networks using SI-2 System Integrator
- LED DMX systems.
- Complex effects.
- Advanced LED and matrix control.
- Media playback.

Low Voltage Sensors

These standard units allow the iLight system functions to be triggered automatically from a sensor. They either detect the infrared radiation given off when somebody enters an area or detect ambient lighting levels and send a signal to the iLight interface unit (UIG or UIM). All these units are powered from the iCAN network.

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.
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.
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.

Listed below is a small selection from our wide range of custom sensor solutions, please consult iLight for your specific requirements.

Pbox-S Custom	**Surface mount box** For use with PIR-PE-C-12v, PIR-W-EXT-12V, PIR-W-12V & PIR-LR-S-12V
PIR-PE-C-12V Special	**Low Voltage Combined Photocell and Passive Infrared Detector** Low voltage combined Photocell and Passive Infrared Detector with open collector output, suitable for flush mounting to suspended ceilings. PIR Detection range approx 5m from ceiling height 2.4m. May be used for a daylight switching threshold or continuous level output for control of functions programmable within iCANsoft.Daylight sensitivity range at surface 0-1000 lux approx.
PIR-W-EXT-12V Special	**Low Voltage Exterior Surface Mounted Passive Infrared Detector** Low Voltage surface mounted Passive Infrared Detector with open collector output and Photocell threshold level detector, suitable for wall mounting. PIR Detection range 10m max, detection zone 120 degrees. Daylight sensitivity threshold ajusted at unit above approx 10 lux. IP54 rated.
PIR-W-12V Special	**Low Voltage Wall Mounted Passive Infrared Detector** Low Voltage wall mounting Passive Infrared Detector with open collector output and Photocell threshold level detector. PIR Detection range 5m max, detection zone 120 degrees. Daylight sensitivity theshold 100-1000 lux and inactive, adjusted at unit. Interior use only. Fits standard UK single gang back box or surface box ,min 16mm deep. Back box not supplied.
PIR-LR-S-12V Special	**Low Voltage Long Range Passive Infrared Detector** Low voltage long range Passive Infrared Detector with open collector output and Photocell threshold detector for surface mounting. PIR Detection range strong up to 10m,secondary up to 25m max. Direction adjustable horizontal or 45 degrees. Daylight sensitivity 100-1000 lux and inactive, adjustable on unit. Interior use only.

iLight. Cooper Controls Ltd,
Unit 4 Enterprise Centre, Penshurst,
Tonbridge, Kent, TN11 8BG. UK

T: +44 (0)1892 870072
F: +44 (0)1892 870074
E: enquiries@iLight.co.uk
www.iLight.co.uk

Cooper Controls Ltd

International

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

Tel: +44 (0)1923 495495
Fax: +44 (0)1923 228796
Email: enquiries@coopercontrols.co.uk

North America

203 Cooper Circle
Peachtree City,
GA 30269. USA

Tel: +1-800-553-3879
Fax: +1-800-954-7016
Email: ControlsSales@cooperindustries.com

www.coopercontrol.com

Distrubuidor em Portugal

R. Sá de Figueiredo 6 – C
2790-233 Carnaxide
Telef. (+351) 21 417 76 21 ◆ Fax. (+351) 21 030 00 31
Web: www.sislite.pt - email: geral.sislite@sislite.pt

Cooper Industries
600 Travis, Ste. 5800
Houston, TX 77002-1001
P: 713-209-8400
www.cooperindustries.com