



# Lighting Control for the world we live in

Architectural Lighting Control with Energy Management  
and System Integration Solutions.



Architectural Lighting Control with Energy Management & System Integration all from one source.

lighting control without compromise...

# iLight - We Understand



iLight control products can be found in any environment where pre-programmed or timed lighting control is required. The iLight system by Cooper Controls has been specifically designed to enable stunning lighting effects to be achieved with uncompromised energy efficiency.

## Architectural Lighting Control

Interior and exterior lighting control for all architectural applications from hotels & restaurants to conference halls and galleries.

## Energy Management

Control of large public spaces, commercial buildings or any application where saving energy is key. With use of a multitude of devices ranging from PIR and photocell sensors to timed events, there are many ways the iLight system can save considerable energy and money over conventional lighting systems.

## System Integration

From seamless integration with building management systems to interfacing directly with HVAC, blind control, fire alarm and voice evacuation systems, the iLight system has the flexibility to cater for the commercial world.

iLight also has vast experience in home automation. The iLight network has a range interfaces covering simple relay devices and 2 way control of advanced data communication protocols such as RS232 and RS485 enabling many third party devices such as blinds and projector screens to be controlled directly from the iLight system.





Creatively translating our clients lighting visions into reality is at the heart of what we do. We have extensive experience in working with lighting designers, consulting engineers and installers to provide truly inspirational lighting. From initial concept through to final commissioning we work closely with all parties to understand their needs and deliver success.

create...

# Lighting design under control

From a boutique retail outlet, to a Corporate HQ and from an intimate restaurant to a 5 Star hotel, we provide the control tools to transform spaces with light.

The iLight product range by Cooper Controls has been designed to provide total freedom in lighting design. Our controllers can dim or switch all common loads so there is no restriction on the types of fittings you choose. Our control systems are totally flexible too, and can be easily expanded to meet any size of project.

A complete system solution can be provided through integration and control of peripherals such as AV systems, blinds, projectors or commercial building management systems.

We believe in putting the user in control, providing elegant and intuitive interfacing to our control network via innovative control panels, touch screens or remote controls. These devices are offered in many styles and finishes including custom solutions; so they blend seamlessly with their surroundings.





Communicating who you are and what you stand for is a key competitive factor for any business within the modern commercial arena. When you only have a few seconds in which to attract and engage potential customers, visual impact is highly important in providing competitive advantage.

express yourself...

# Create style & beauty

In retail environments lighting control can help you communicate your values and distinguish your offering through the dynamic use of light and colour. Lighting can be used to enhance the form, structure and style of the retail space, as well as highlight the goods themselves.

In service environments ambience is key. Creating the right mood for social interaction, drinking and dining is critical to the customer experience.

Through clever use of its comprehensive product range iLight can create simple systems that can dramatically change the look and feel of a space to address different applications.

Morning coffee, lively lunches or intimate dinners can all be achieved simply and effectively.

Different pre-programmed lighting events can be easily recalled by staff or left to run in a timed sequence.



iLight 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 creating user friendly control in more complex area with many lighting channels such as retail display areas.



Whether at home or away from home we all appreciate familiarity, comfort and a sense of belonging. The scalability of the iLight system means that we can control any size of project from luxury apartments to prestigious international hotels. Using iLight control systems you can ensure you make the right impression - everytime.

relax...

# Make the right impression

From a hotel lobby and reception areas to individual suites, iLight lighting controls have the solution for creating the right impression.

Cooper Controls has extensive experience with hotel lighting control, offering high power control of public areas where many different load types are present, compact, silent dimming and switching in suites and in restaurant and conference facilities where there is often a demand for integrating lighting with AV systems.

Hotel rooms can be tailored to meet the needs of the hotel and its guests. 'Welcome' settings can be selected for guests as they arrive and a choice of pre-programmed scenes to enable them to match the mood of the room to their needs. Control of electric curtains and blinds as well as music from the same control panel is easily accomplished with iLight's vast interfacing capabilities.



iLight offer a comprehensive range of DINrail mounted, compact source controllers. They are ideally suited to rooms and suites as, due to their size, they can be situated in small service cupboards in-room, eliminating long lighting load circuits. The range includes inductive and transistor dimming and switched circuit control with 1-10v, DALI & DSI. iLight DINrail source controllers can be built into custom enclosures.



iLight systems can be used in some applications to enhance and promote architectural structures, showing them in the best possible light.

enhance & promote...

# Stand out from the crowd



Exterior lighting of buildings and city architecture has transformed urban environments over the last few years. Famous landmarks can be now be appreciated outside of daylight hours and previously labelled eyesore's can be shown in a new light, literally. Buildings can also be highlighted to promote specific events or even changed to match differing themes or seasons through the use of colour.

Lighting is not only restricted to city structures. Parks, landscapes and natural features can also be enhanced and enjoyed by the application of subtle lighting elements.

Cooper Controls has extensive experience in city beautification. The flexibility of our control systems enable us to control high power external lighting fixtures, colour changing LED's and other special effects.



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

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 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.



Lighting also plays a huge part within more functional buildings, where it can be used to generate the best possible environment for workers and visitors. An iLight control system can maintain the optimum lighting balance to make the workspace comfortable and productive for occupants whilst delivering easy to use management tools.

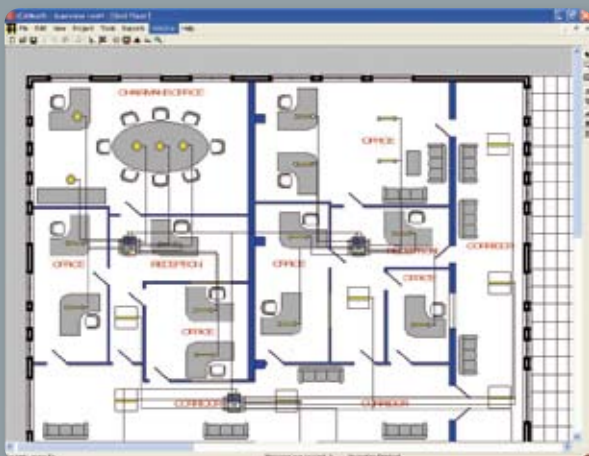
a desirable workspace...

# Enhance productivity

Within office and educational establishments the correct balance of lighting levels can help stimulate activity, enhance productivity and mimic the effects of natural light. Similarly within hospitals natural lighting and colour therapy can both aid recovery programmes and promote wellbeing.

In such buildings safety and security of occupants is also a high priority. Lighting may be linked to security and alarm systems and may be used to illuminate less frequented areas and map out exit routes during an emergency. iLight can provide manual, dynamic or automated control to ensure correct lighting levels are always achieved.

Our management tools enable centralised control and visualisation of systems with override capabilities built in. These tools include centralised emergency ballast testing to reduce ongoing maintenance costs.



The iLight software, iCANsoft, has advanced viewing options that enable users to import a large site floor plan and then view the site information on a PC showing individual fixtures and their position within the building(s). Users can move around the floor plan with ease and zoom into areas to view current light level, adjust levels and recall scenes.

Links can be created between floors or areas to allow rapid selection of areas to view or monitor. Users can even click on plan images of the control panels within the installation and operate them remotely, as if they were operating the actual control panel.



By actively managing lighting provision against lighting needs iLight systems can save energy, save lamps, save labour and provide a tuned lighting environment that always meets your needs.

save money...

# Save energy



Lighting can account for over 40% of the total energy consumed daily by commercial, industrial, or institutional buildings. When trying to improve the energy efficiency of a project, lighting control is an ideal place to start.

The iLight system can offer more than just energy savings. Simple specifications, easy installation and low cost of ownership all contribute to best value systems that deliver significant results.

Get more from your lighting system and stay ahead of ever more demanding code requirements with four simple steps:

## 1. Good Design

Lighting controls can easily eliminate energy waste by improving the fit between the light provided by the building and the light needed by the employees or occupants. Reduce lighting energy consumption by 20% or more by varying light levels between task and ambient lighting. Abandoning traditional uniform light levels can give increased comfort and individual control over personal light levels at each work station.

## 2. Sense Occupancy

Use wall, fixture, or ceiling-mounted sensors to detect occupancy in a space. When the room is unoccupied, the lights are turned off or dimmed to a predetermined level, saving energy while the room is empty.

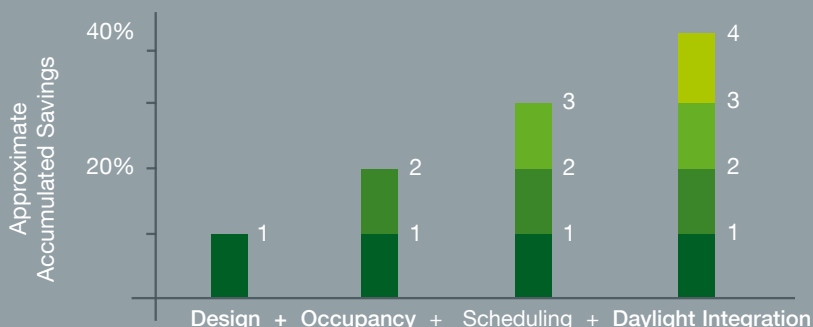
## 3. Control Intelligently

Employ scheduled control throughout an entire floor or building. Use a time clock, pushbutton, or PC control to switch or dim lighting of all types, interior or exterior, on a schedule. The lighting can be programmed to turn on in the morning, then turn off or dim in the evening, or any other combination of schedules designed to match the needs of the space.

## 4. Work with Natural Daylight

Use photocells to coordinate the natural light and artificial light in a space to save energy and balance the light levels of the interior environment.

Lighting control systems have an important part to play in minimising environmental impact. Energy savings can be made through use of intelligent sensors and photocells so that lighting is only used when required. Limited use of the systems and controlled dimming can extend lamp life, reduce power requirements and minimise maintenance costs.





Set the scene - use different lighting levels to create you own personal space.



indulge yourself...

# Find unique personal space

Controlling the light in your home can enhance the character and feature of every room. By gently softening the light in one area and brightening it in another you can create the ambience you want. Several different settings can be programmed within any room to cater for different uses – dining, reading, entertaining or watching a movie.

Timed events ensure that interior and exterior lighting is switched on in time for when you return home and can be used to replicate normal lighting patterns whilst you are away.

iLight's graphical interfaces are intuitive and easy to use, enabling guests who are unfamiliar with the system to easily select scenes.

Through integration with other control systems, iLight can control your complete environment (lighting, AV, heating, curtains etc) from the touch of a button.



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. There are five control panel ranges available, Classic, Classic Plus, Architrave, Ineo and Revio ranges. A wide variety of control panel finishes is available to complement even the most creative of building designs.



# Demand a total solution

Today lighting control is only part of building automation and often needs to be integrated with other services to provide complete building control. Cooper Controls is at the forefront of enabling integration for both commercial and domestic applications.



## Integration

Our dedicated engineering team have solutions for all types of integration including integrating with wider building systems such as fire and security.

The steady rise of home automation has led iLight to manufacture innovative products that allow for the easy integration of multiroom audio, video security, heating, curtains and blinds. iLight control panels, touchscreens and IR handsets can be programmed to control these other services.

For example a single iLight control panel could be used to control lighting, audio and curtains; resulting in improved ergonomics and eliminating "wall clutter".

# integrate...



Wall chart presentation

Lunch time meeting

Screen presentation

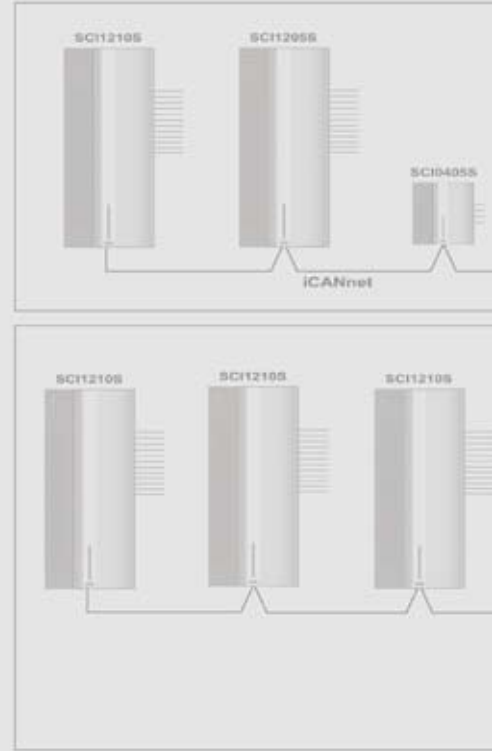
Board meeting



In the board room, iLight's system integration enables various devices such as projectors, screens and blinds to be integrated to the network. Linked scenes are then set up so multiple commands can be activated from one button press. For a slide show, the projector screen and window blinds come down, projector turn on and the lights dim all from the touch of a button.

# iLight Range

The iLight system provides distributed intelligence. Distributing the intelligence improves overall reliability as the system does not rely on a single central processor. iLight's flexible and expandable system offers an unrivalled choice of options so any size of system can be built in virtually any combination.



## Source Controllers

iLight source controllers suit all common load types including:-

- Inductive, resistive and capacitive Fluorescent 0-10V DALI and DSI
- Cold cathode and neon LEDs DMX controlled loads (USITT DMX512)
- Switched loads for discharge lighting, curtains and blinds.

They are available with numerous channel and power rating configurations to match the variety of requirements modern systems demand.

## Control panels

iLight's intelligent control panels can be configured so that any button can perform any of the functions on the iLight network. The powerful and easy-to-use software can change a single lighting scene or integrate with Audio Visual and Building Management Systems to offer total environment control.

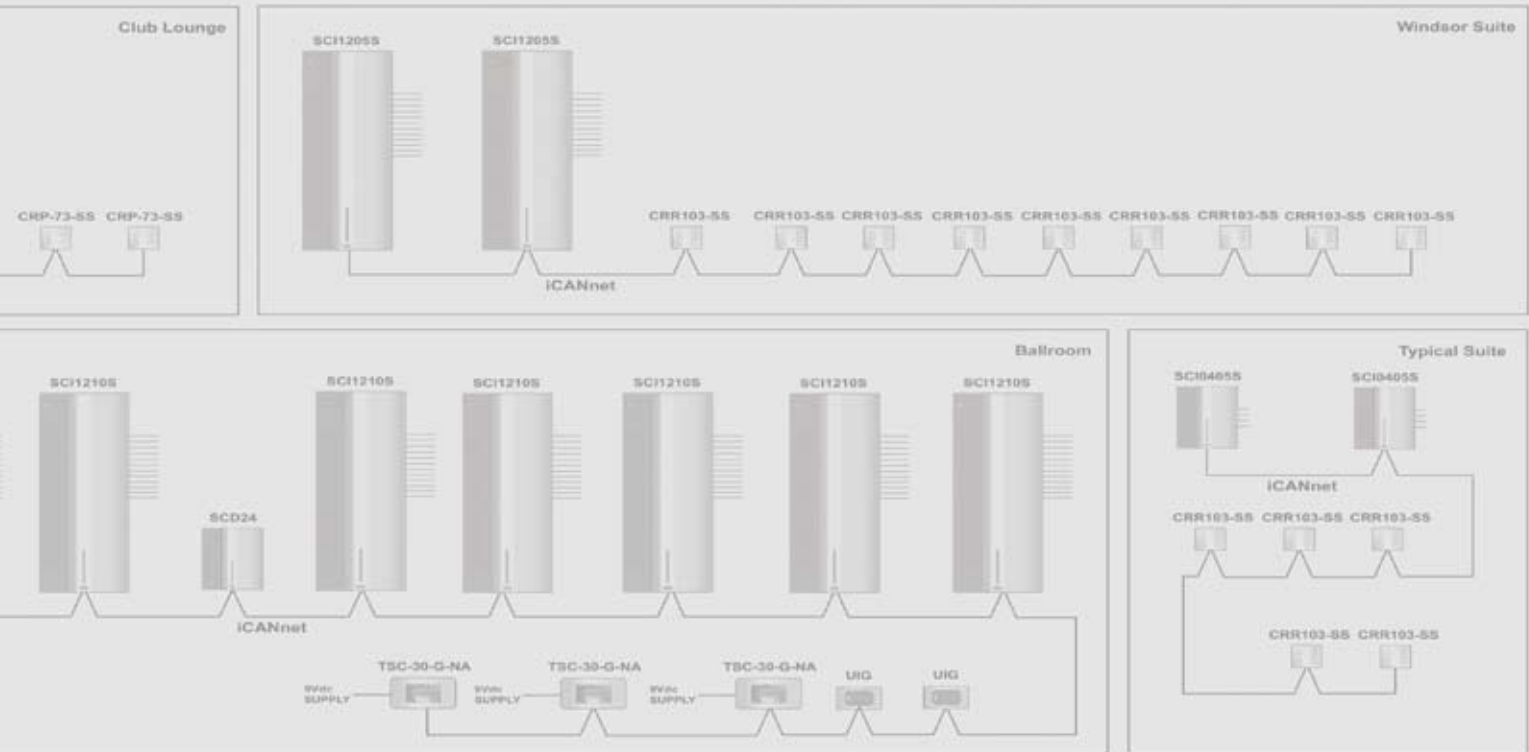
The multifunctional control panels are available in a wide choice of colours and metal finishes. So you'll have no difficulty blending them in unobtrusively with a new scheme or with existing fixture and décor.

## Touch Screens

iLight's LCD touch screens offer a user-friendly way to control a wide range of functions in an individual room or as a central control for the whole home.

They are suitable for use throughout a building, replacing multi-button control plates with a high definition graphical user interface. They 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 or themes.

# flexible & scalable...



## Sensors & Timers

The iLight system works with a comprehensive range of sensors for measuring light level and detecting motion to provide automated control for any building type

Our astronomical time clock provides automatic control of timed events and sequences, enabling sun-relative control whatever the season.

## Interfaces

The System Integrator allows the iLight system to control more than just lighting, through programmable RS232 commands.

The Ethernet Gateway enables connectivity to a LAN, which then provides wireless access (WiFi) and remote access (via the internet) to the system.

## Software

iCANsoft™ is used to configure all iLight products, including the controllers, control panels, LCD touch screens and system integrator node.

iCANsoft™ is a Windows based application, and is designed to be operated by people of varied skill levels. It is constructed in a way that users of up to date Microsoft Windows®\* applications will find familiar and intuitive.

\*Trademark acknowledged.



# World class design, quality & service

## A New Approach to Lighting Control

Cooper Controls, the latest member of the Cooper family, is taking a new approach to lighting control. Combine the best products from innovative companies with the global reach and resources of Cooper Industries to create new lighting control solutions that are high quality, easy to use with a low cost of ownership.

This strategy of building on the best has established Cooper Controls as a market leader in architectural, energy management and entertainment lighting controls.

- iLight lighting controls have already been installed in several thousand projects world-wide
- 31,000 Employees
- 300+ Manufacturing and Distribution
- \$6 Billion in electrical products

**Cooper Controls, part of a truly global company**



**COOPER** Controls



a truly global presence...

## Cooper Controls key brands



Global offering of architectural lighting controls for hospitality, restaurant, retail, residential, commercial & exterior applications.

- Intuitive user interfaces
- Global Leader in lighting Source Control technologies
- World-Class design, quality and service



North American offering of architectural lighting controls for hospitality, restaurant, retail, and commercial applications where visual space performance is paramount.

- Intuitive user interfaces
- Global Leader in lighting Source Control technologies
- World-Class design, quality and service



Zero 88 provides an extensive range of lighting control equipment and 3D modelling software for Theatrical applications around the world.

- Control of Theatrical moving lights
- Lighting consoles and dimming racks
- Color changing LED controls



Greengate offers a complete line of cost effective energy management lighting controls for commercial and institutional projects in North America.

- Lighting Control Panels
- Occupancy Sensors
- Daylighting Controls

Between Cooper direct support teams, 50+ factory-trained commissioning experts, 80 manufacturer representatives, and local distributors; Cooper is well positioned to service your project needs anywhere in the world.

### Customer Service

Cooper Controls is committed to meeting the needs and expectations of every customer. iLight products are supported with a comprehensive 30 month warranty.

[tech.support@iLight.co.uk](mailto:tech.support@iLight.co.uk)





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

Tel: +44 (0)1892 870072  
Fax: +44 (0)1892 870074  
Email: [enquiries@iLight.co.uk](mailto:enquiries@iLight.co.uk)  
[www.iLight.co.uk](http://www.iLight.co.uk)

Certified to ISO 9001:2000



Certificate No: FM 35399



THE  
CUSTOM  
ELECTRONIC  
SOLUTION  
ASSOCIATION



## 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](mailto: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](mailto:ControlsSales@cooperindustries.com)

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

Cooper Industries  
600 Travis, Ste. 5800  
Houston, TX 77002-1001  
Tel: 713-209-8400  
[www.cooperindustries.com](http://www.cooperindustries.com)