



iLight Product Catalogue

English - Issue 8.8



iLight Lighting Controls

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



The iLight Solution



- **Wide ranging** capability for almost any application
- **Scalable** networks from a single device up to 65,000+ devices
- **True distributed intelligence**, no reliance on central processors, removing the inherent single point of failure
- Hardwired Addressable and Pluggable **DALI solutions**
- **Intuitive user interfaces** mask complexity and advanced programming scenarios
- Finishes, styles and **customisation** of user interfaces complement any built environment

iLight, a brand of @signify

Signify is the world leader in lighting for professionals, con

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.



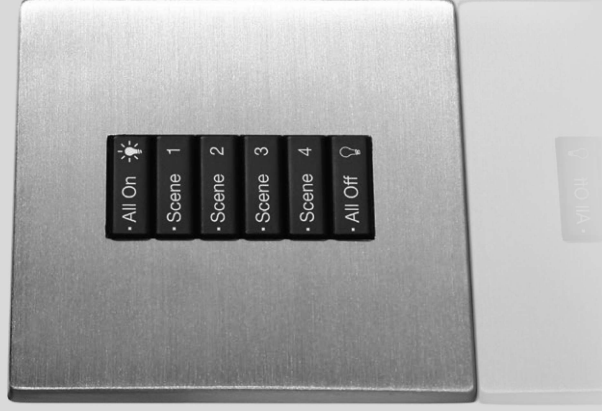
A single button may instigate a series of timed events, colour changes or dynamic effects, or simply select pre-set levels and scenes to make great lighting design repeatable time after time.

Control plates 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 plates are supplied pre-loaded with a basic program for immediate use and to allow on-site testing prior to commissioning.



User Interfaces

Sencia



Sencia is a range of highly refined control plates designed for good looks and flexibility.

Text legends are backlit, with engraved text or graphic legends. 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 controls is required. Alternatively double or triple height buttons could be used to help differentiate eg. 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 a range of 6 standard hues.

Key Features

- Up to 12 configurable push buttons with integral LED backlighting on a single gang plate.
- Integral programming point.
- Fully configurable functionality including room joining, sequencing and programmable logic functions.
- Flash memory for future proof upgradeability.
- Variable fade times: 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.

Finish Codes

| | | |
|---|----|-------------------------|
|  | PB | Polished Brass |
|  | SB | Satin Brass |
|  | BS | Brushed Stainless Steel |

Configuration Examples



SSR-6SB-6SB
BS-CUSTOM
12 button plate with brushed stainless steel finish.



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

User Interfaces

Verre

Featuring a touch sensitive capacitive surface, Verre offers a range of control features and functions specifically designed for flexible design and powerful control capability.

With a polished bevelled edge Verre is made from exceptional quality glass. The pure uninterrupted surface exemplifies minimalist design, and with a high gloss finish, Verre compliments any design by reflecting its surroundings.

Each button features 'back illumination' employing an RGB LED. Colour profiles allow for 'on/highlight' and 'off' colours to be set from a colour palette. Audio feedback can also be set if required. The intensity of the backlight can be automatically adjusted, allowing different settings for daytime, night-time or based on occupancy.

A 'built-in' proximity sensor can illuminate the plate guiding the approaching user prior to touch.

Verre is available in a minimal form with six circular buttons for user specific control. Verre Minimal is complemented with a range of configured options featuring iconography, these include:

- Two-zone lighting plate
- Lighting and shading plates
- Dedicated climate control plate
- Specific guest room configurations

The use of intuitive icons makes Verre entirely language agnostic. Iconography can also be selected from iLight's comprehensive range to meet clients exact requirements.

Key Features

- Capacitive glass lighting and shading control plates.
- High quality 4mm glass front fascia finish.
- Proximity sensor for welcoming an approaching user.
- Two part construction, simplifying installation process.
- Intuitive touch sensitive control with optional audible feedback.
- Available in black as standard.
- Configure to order options include: White and grey plate and selection from a comprehensive library of button icons.
- Configurable start up mode.
- All button functions are fully programmable for single or complex actions (Excludes Climate Plate).
- Dimensions: 86mm (h) x 86mm (w).
- Compatible with standard 47mm UK back box.

User Interfaces

Classic



Configuration Examples



CSR023-W
2 button Series 3 plate with white finish. (Custom engraving)



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



CSR053-MS
5 button plate with super mirror stainless finish. (Custom engraving)



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



CRP043-SS
4 button Series 3 plate with stainless steel finish.



CRP073-W
7 button Series 3 plate with white finish.

Classic control plates are supplied with a choice of different finishes and configurations and with integral blue LED indicators.

Classic control plates are modular in design and are therefore completely flexible. Hardware provision allows any single gang plate 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 plate functionality.

Key Features

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

Finish Codes



PB Polished Brass



AB Antique Bronze



SS Satin Stainless Steel



MS Super Mirror Stainless Steel

User Interfaces

Classic DALI

Classic DALI control plates are available in 4 button configuration. Individual scene buttons have backlight indicator lights and tactile feedback. There is also a custom button and face plate engraving service making DALI control plates fully flexible to needs of your project.

Key Features

- Integrated DALI communication interface.
- Draws power from the DALI communications bus to simplify wiring.
- Designed to complement Wandsworth Series 3.
- Range of metal face plate finishes available.
- Scene buttons have integral LED feedback.
- Blue LED indication on scene buttons.
- Custom text options available on both buttons and face plate.
- Dimensions: 86mm (h) x 86mm (w).
- Fits standard 35mm deep UK back box.
- 12V DC powered direct from iLight network.

Finish Codes



PB Polished Brass



AB Antique Bronze



SS Satin Stainless Steel



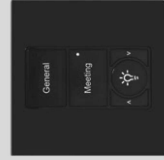
MS Super Mirror Stainless Steel



Configuration Examples



CLC-4TSB-RL-W
4 small buttons,
raise & lower,
on/off in white.



CLS-2TLB-RL-B
2 large buttons,
raise & lower,
on/off in black.

Ineo is a versatile range of specification grade control plates 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. Plates may be ordered with engraved buttons and a choice of 5 plate configurations. There is even a choice of button size and colour.

Ineo control plates 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 the lighting on your project.

Key Features

- Available in Black, White & Ivory finishes.
- 5 standard plate layouts.
- Each button individually configurable via iCANSOFT.
- Variable fade times: 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.
- 12V DC 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.
- Compatible with standard UK back box (35mm).
- Dimensions: 86mm (h) x 86mm (w).

Ineo DALI control plates are available in several configurations which include the use of a large on/off button control with associated up/down adjustments and a choice of large and small buttons. Individual buttons have backlight indicator and strong tactile feedback. There is also a custom button engraving service making Ineo DALI fully flexible to meet the needs of your project.

Key Features

- Integrated DALI communication interface.
- Draws power from the DALI communications bus to simplify standard plate layouts.
- 5 standard plate layouts.
- Buttons include Scene, Raise, Lower, On, Off functionality.
- Choice of large or small button caps.
- Available in Black or White finishes.
- Standard or custom engraving on buttons.
- Compatible with standard UK back box (35mm).
- Dimensions: 86mm (h) x 86mm (w).

User Interfaces

TSEtouch - TSE80 Ultra High Resolution Colour Touchscreen



TSE80

Key features

- Ultra high resolution intuitive capacitive touch screen.
- Customisable screens & buttons.
- Choice of themes and templates.
- Navigational swipe.
- Multilevel security functions.
- Astronomical time clock .
- Power over Ethernet (PoE).
- 8" (203.2mm) diagonal backlit capacitive LCD touchscreen.
- 1280 X 800 pixel resolution.
- Colour Depth: 16.7M colours, 400 nits brightness.
- Touchscreen Dimensions: 148mm (h) x 223mm (w).
- Fits US NEMA 2 gang back box.

Functionality

A single touch is all you need for intuitive control of your living and working spaces. TSEtouch puts you in charge of all your intelligent building systems including lighting, shading, heating and cooling.

The capacitive touch screen is fully customisable and easy to use, navigating you through your own personalised menus for adjusting and saving your settings.

These elegant, ultra high resolution screens deliver a satisfying user experience, combining all your primary building controls.

They are completely software based, and programs can be tailored to suit the precise needs of the user. The touch screen can also be used to provide control of other integrated systems such as curtains and blinds and HVAC.

TSE55 & TSE80 connect to the iLight network using a TSI-1 touchscreen interface which can connect multiple TSE screens and mobile devices running the TSEtouch app.

User Interfaces

TSEtouch - TSE55 Ultra High Resolution

Key features

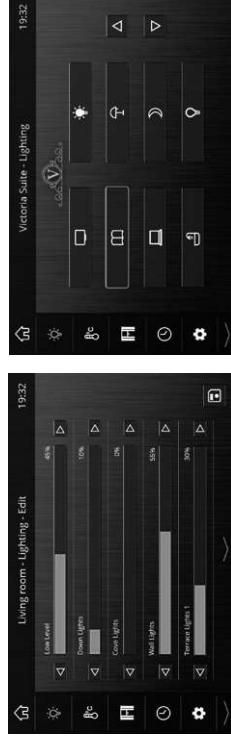
- Ultra high resolution intuitive capacitive touch screen.
- Customisable screens & buttons.
- Choice of themes and templates.
- Navigational swipe.
- Multilevel security functions.
- Astronomical time clock .
- Power over Ethernet (PoE).
- 5.5" (139.7mm) diagonal backlit capacitive LCD touchscreen
- 1280 X 720 pixel resolution.
- Colour Depth: 16.7M colours, 450 nits brightness.
- Touchscreen Dimensions: 87mm (h) x 148mm (w).
- Fits standard UK single gang back box, standard European single gang back box or standard US NEMA single gang back box. Minimum depth: 47mm.

Key features

- Ultra high resolution intuitive capacitive touch screen.
- Customisable screens & buttons.
- Choice of themes and templates.
- Navigational swipe.
- Multilevel security functions.
- Astronomical time clock .
- Power over Ethernet (PoE).
- 8" (203.2mm) diagonal backlit capacitive LCD touchscreen.
- 1280 X 800 pixel resolution.
- Colour Depth: 16.7M colours, 400 nits brightness.
- Touchscreen Dimensions: 148mm (h) x 223mm (w).
- Fits US NEMA 2 gang back box.

Functionality

Custom Graphic Examples



TSEcontrol App

Dedicated App for the TSE55 and TSE80 with free download via iTunes and Google Play Store. TSE App mirrors the touchscreen pages enabling user to control all programmed functions anywhere within the space.

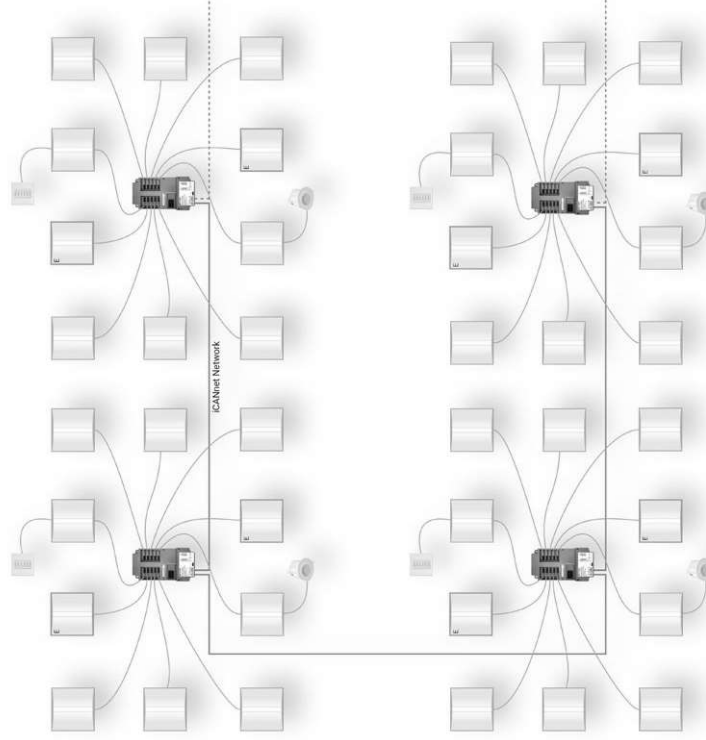


Controllers

Pluggable Controllers



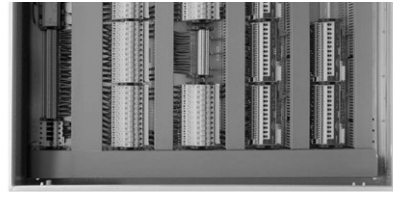
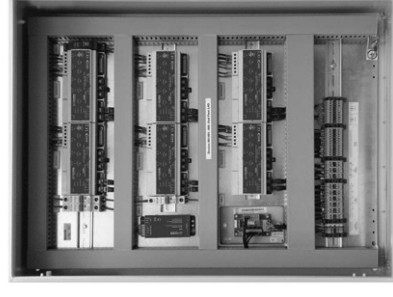
Next generation pluggable lighting control modules designed for fast and efficient installation. Complemented by a comprehensive range of sensors and wiring accessories for a complete pluggable solutions.



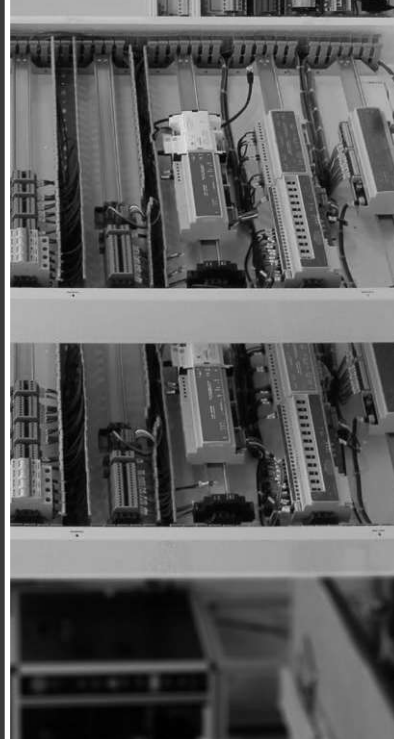
iLight's 'Configure to Order' solution offers the ultimate in control flexibility with peace of mind. Utilising Cooper Lighting Solutions design, manufacturing and testing facilities, DINrail modules combined with an extensive range of enclosures, switch gear modules to deliver a complete, ready to install panel solution.

iLight offers a comprehensive range of module options for control lighting, shading and HVAC as well as integrating with AV and monitoring panels are networked to enable system wide visualisation, monitoring.

From a single room solution to the largest office campus, hospitals or even a complete airport, iLight have a proven track record for customised panels for projects of all scales and complexities.



DINrail Module Range



The iLight DINrail range provides a multitude of control capabilities

- Lighting load dimming with Leading edge, Trailing edge, Broadcast and fully addressable DALI, 1-10V, DSI and DMX512
- Control of all lamp types including LED, Incandescent, Fluorescent, Cold Cathode, Discharge (Metal Halide) as well as LED drivers, magnetic and electronic low voltage transformers.
- High power feed through relays for power switching of non dim loads
- Change over relays for curtain and blind control
- Interfacing with third party systems using RS232, RS485, KNX via KNX Gateways, Ethernet, BACnet, Modbus, LON

Controllers

Hard Wired Controllers - Configure

Hard Wired Controllers - Pre-Programmed

Specifically designed for speed and ease of installation, these control enclosures are core building blocks designed to make easier to specify.

An all metal, convection cooled design makes the EN Series a durable and reliable solution. Required installation space is dramatically reduced through their slim profile and compact form factor.

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



LCMD-10

10 Port Self Addressing DALI Lighting Control Module

Intelligent pluggable lighting control module with 10 auto addressing DALI outputs. A maximum of 30 DALI luminaires (or short addresses) can be connected per LCMD-10, distributed at will across the 10 ports. In addition, each port supports 1 DALI Emergency Luminaire, 1 DALI IU or DALI Keypad and 1 DALI Sensor.

- 10 auto addressing DALI ports with Relay switch output and maintained supply
- Supports iLight DALI inputs, control plates and sensors
- Supports DALI Type 8 tuneable white
- Low profile, ideal for ceiling voids with limited space (Approximately 105mm depth, subject to cable type)
- Full DALI feedback for lamp status, DALI error and EM test
- Emergency testing of DALI and conventional luminaires
- Dimensions: 382.8 x 200.2 x 57.5mm (L x W x H)
- Weight: 2.5Kg

Plugs, Sockets and T-Pieces

Range of plugs and sockets for making up custom cable length including LCM plugs (Standard Black and red for emergency) 1 plugs and sockets for extension leads and T-Pieces.

Luminaire Leads

Range of open ended luminaire leads including LCM plug to open (Standard Black and red for emergency) and T-Piece to open e

- Choice of wiring configurations for switched, DALI dimm emergency applications
- LCM leads available in 5m and 3m lengths
- T-Piece leads available in 3m and 1m lengths

Extension Leads

Range of extension leads for connecting LCMs to T-Pieces as connecting T-Pieces to T-Pieces

- Choice of wiring configurations for switched, DALI dimm emergency applications
- Available in 5m and 3m lengths

Sensor Leads

Range of sensor leads for connecting both the LCC-10 and LCC to sensors

- Available in 5m and 3m lengths

10 Port Lighting Connection Centre

The iLight LCC-10 Lighting Connection Centre sits at the heart of the iLight Solo series providing a central connection point for stand alone lighting control systems. LCC-10 features a large wiring compartment with easy access to mains and DALI terminals. Both sides of the unit can be combined to support 10 outputs or used independently in 2 groups of 5



Controllers - DINrail Modules

Controllers - DINrail Modules

Addressable DALI Controllers

Signal Controllers



- 4 universe addressable DALI controller
- 64 groups per DALI universe
- iCANnet, DMX or RS485 control
- Alarm input
- Dimensions: 159x90x58 mm
- Weight: 0.35 Kg

- 12 channel digital dimming controller configured for Broadcast DALI, DSI or 1-10V output
- iCANnet or DALI control (12 addresses)
- Dimensions: 212x90x58 mm
- Weight: 0.35 Kg



- 2 universe addressable DALI controller
- 64 groups per DALI universe
- iCANnet control
- Dimensions: 159x90x58 mm
- Weight: 0.35 Kg

- 8 channel controller - 4 volt free 10A switched outputs & 0/1-10v or broadcast DALI
- 40A maximum load
- 8 freely programmable inputs
- Intelligent device power management and temperature monitoring
- DALI Broadcast line monitoring providing lamp, ballast or failure notifications
- Dimensions: 159x89x60 mm
- Weight: 0.35 Kg

Switching Controllers

Phase Dimming Controllers



- 4 x 32 Amp feed through latching relay controller
- Max total load 64A
- iCANnet control
- Dimensions: 73x90x58 mm
- Weight: 0.3 Kg

- Compact 4 x 1 Amp mains dimmer optimised for LED loads
- Channel pairing for 2A loads
- Selectable dimming modes – "Light Adapt" trailing edge, and switched
- Scalable dimming curve to optimise the usable dimming range
- No minimum load
- Quiet dimming operation
- DALI Input (4 individual DALI addresses)
- Dimensions: 159x90x60 mm
- Weight: 0.2 Kg



- 12 x 32 Amp feed through latching relay controller
- Max total load 192A
- iCANnet or DMX or DALI control (12 addresses)
- Dimensions: 212x90x58 mm
- Weight: 0.8 Kg

- 4 x 2 Amp adaptive leading or trailing edge source controller
- Max total load 10A
- iCANnet control
- Dimensions: 229x90x49 mm
- Weight: 1 Kg

SCMD4

SCMD2

SCMR0432

SCMR1232

Controllers - Hard Wired

Fully Addressable DALI Controllers



EN1-SCMD4

- 4 Universe Addressable DALI-2 Controller
- Can individually dim, switch and monitor up to 256 DALI addressable ballasts
- 64 groups per DALI universe
- Includes ability to control and test DALI emergency fittings
- Supports iLight DALI sensors and field devices
- 2 configurable volt free inputs
- DMX & RS485 control
- Dimensions: 250x352x87.2mm
- Weight: 4 Kg



EN1-SCMD2

- 2 Universe Addressable DALI Controller
- Can individually dim, switch and monitor up to 128 DALI addressable ballasts
- 64 groups per DALI universe
- Includes ability to control and test DALI emergency fittings
- Supports iLight DALI sensors and control plates
- 2 Internal DALI universe power supplies
- Each universe has a dedicated test/override button allowing the installer to test or override the installation prior to commissioning
- Dimensions: 250x352x87.2mm
- Weight: 4 Kg

Broadcast DALI, DSI or 1-10V Controllers



EN3-SCMH1210

- 12 Channel x 10 Amp Digital Dimming & Switching Controller
- 120 Amp total box load on 12 circuits
- Broadcast DALI, DSI or 1-10V control
- 128 scene memory
- Fail to full safety feature
- iCAN network inputs
- Panic/Fire alarm input
- Dimensions: 700x352x87.2mm
- Weight: 11.2 Kg

Controllers - Hard Wired

Adaptive Leading or Trailing Edge

- Compact 4 x 1A mains dimmer optimised for LED loads
- Channel pairing for 2A loads
- Selectable dimming modes – “iLight Adapt” trailing edge, and switched
- Scalable dimming curve to optimise the usable dimming range
- No minimum load
- Quiet dimming operation
- Configurable Alarm Input (volt free)
- DALI Input (4 individual DALI addresses)
- Dimensions: 250x352x87.2mm
- Weight: 4.2 Kg

- Compact 12 x 1A mains dimmer optimised for LED loads
- Channel pairing for 2A loads
- Selectable dimming modes – “iLight Adapt” trailing edge, and switched
- Scalable dimming curve to optimise the usable dimming range
- No minimum load
- Quiet dimming operation
- Configurable Alarm Input (volt free)
- DALI Input (12 individual DALI addresses)
- Dimensions: 700x352x87.2mm
- Weight: 9.8 Kg

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

Network Interfaces

Ethernet Gateway

DINrail Module



EG2-S

Controls Enclosure



EN1-EG2S

The EG2-S provides Ethernet connectivity to the iCAN network for integration into our software services as well as providing API integration for third-party systems.

The EG2-S incorporates an intelligent bridge function which allows multiple systems to be joined over a secure Ethernet network opening up the capabilities of the iCAN system to cover multi-campus installations across the globe giving building and business owners connectivity to there systems from anywhere in the world.

- Connects iLight's iCANnet™ network Ethernet/LAN
- Configurable IP address
- Facilitates Ethernet connection into iCANnet™
- Scheduled events with time clock supporting multiple time zones, regional daylight savings and NTP if required.
- iCAN network bridging over IP
- Connection for commissioning and monitoring of an iCAN network
- Also available as a pre-wired, pre-populated controls enclosure - EN1-EG2S
- Dimensions: 106x91x62 mm
- Weight: 0.22 kg

TSE Touchscreen Interface

DINrail Module



TSI-1

Controls Enclosure



EN1-TSI1

The TSI-1 Touchscreen Interface enables the use of multiple TSE55 and TSE80 colour touchscreens and ensures synchronization of screen configurations across an entire building installation. It also facilitates connection to iLight's TSEtouch app enabling personalised control from your compatible hand held smart device.

- Configurable IP address.
- Scheduled events
- Supports smart device applications. (iPhone®/ iPod touch®/ iPad® / Android)
- BACnet communication over TCP/IP
- Also available as a pre-wired, pre-populated controls enclosure - EN1-TSI1
- Dimensions: 106x91x62 mm
- Weight: 0.22 kg

Network Interfaces

BMS Interface

The BMS Interface supports a wide range of control protocols as a bridge between Eaton's intelligent lighting control network and a central BMS management system.

- Connectivity: LON, BACnet, Modbus
- 200 areas (points) supported. (Consult iLight for >200)
- Configurable using built in web server
- DINrail mounted
- Compatible with iLight and Greengate lighting control systems
- Dimension: 157x98x59mm (ex. connectors)
- Weight: 0.275 kg

Sensor Interface

The UIS features 3 sensor inputs for connecting analogue or digital sensors to the iLight lighting control network. Each sensor is suitable for either a single occupancy detector or daylight sensor, 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 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 HH171R 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: 124x49x23 mm

Network Interfaces

Mini Universal Interface (UIM)



UIM

The UIM 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

DALI Interfaces

DALI DAC

DALI Digital to Analogue Converter

Built-in relay and 1-10V current sinking interface used to integrate individual or a group of dimmable 1-10V ballasts/drivers to iLight DALI lighting control system.

- Ultra low profile form factor designed to fit inside most ballast compartments
- Powered by the DALI bus
- Automatic detection of the DALI Bus power loss with default closed, i.e. on or 100% position
- DALI power consumption: 3.75mA
- Dimensions: 100x28.6x25.4mm

Network Bridge & Repeaters



BN-2-D

BN-2-D is a DINrail mounted bridging module that allows 2 or more iLight iCANnet™ 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 more than 500m of cabling is required or more than 100 network devices are used on one segment. BN-2-D also allows network messages to be filtered to ensure optimal performance in larger networks.

- Configurable as Network Bridge Filter or Repeater
- Enables Larger networks by segmenting long cable runs
- Single control of multiple iCANnet networks
- Dimensions: 53.5x90x58 mm

DALI Field Relay

The iLight Field Relay provides On/Off control and network control. It uses advanced switching technology specifically designed to handle the large inrush currents and inductive loads found in iLight applications.

- Maximum Load: 20 Amps
- Automatic loss of power detection defaults relay to close (On) position
- DALI power consumption: 3.75mA
- Dimensions: 88x80x39 mm

Optional Plugin DMX Interface Board

DALI Input Unit



NS3-C

Network Sensor with Combined PIR, Daylight and Infrared Control

- Connected directly to the iLight Network via CAN terminals
- PIR detection optimised for small movement
- IR receiver for HH17IR
- Coverage: 4.8m Ø at 2.8m ceiling height
- Dimensions: 49mm Ø x 35mm Depth

DALI Sensors



PPAD-C-DALI-ADDR

DALI Ceiling Sensor with PIR and Daylight Sensor

DALI Multi-Sensor combining daylight sensing and occupancy detection.

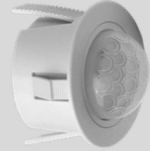
- Coverage: 7m Ø at 2.8m ceiling height
- Draws power from the DALI communication bus to eliminate the need for external power packs
- DALI power consumption: 8mA
- Separate surface mount box for BESA fixings
- Dimensions: 76mm Ø x 68.5mm Depth

FLT-MTS6-DALI
FLT-MTS12-DALI

DALI Ceiling Sensor with PIR and Daylight Sensing

- FLT-MTS6-DALI Coverage: 9m Ø at 2.8m ceiling height
- FLT-MTS12-DALI Coverage: 18m Ø at 2.8m ceiling height
- Draws power from the DALI communication bus to eliminate the need for external power packs
- DALI power consumption: 3.75mA
- Dimensions: 91mm Ø x 36mm Depth

PPAD-C-MB-DALI-ADDR



DALI Mini Ceiling Sensor, Mid Bay PIR Presence/Absence Detector

- Medium sensitivity detection
- Coverage: 16m Ø at 7m ceiling height or 9m Ø at 2.8m

Stand alone mains voltage powered, ceiling mounted

- Coverage: 7m Ø at 2.8m ceiling height
- Presence detection
- Manual adjustment only
- Adjustable light level threshold and adjustable timer
- Max mounting height: 3m
- Dims: 76mm Ø x 68.5mm Depth

Stand alone mains voltage powered, ceiling mounted

- Coverage: 7m Ø at 2.8m ceiling height
- Presence or absence detection
- Adjustable light level threshold and adjustable timer
- IR Receiver for remote setup
- Max mounting height: 3m
- Dims: 76mm Ø x 68.5mm Depth

Stand alone mains voltage powered, ceiling mounted with DALI / DSI dimming.

- Coverage: 7m Ø at 2.8m ceiling height
- Presence or absence detection
- Light level sensor and adjustable timer
- IR Receiver for remote setup
- Max mounting height: 3m
- Dims: 76mm Ø x 68.5mm Depth

High Bay, stand alone mains voltage powered, ceiling PIR sensor.

- Coverage: 40m Ø at 15m ceiling height
- Presence or absence detection
- Adjustable light level threshold and adjustable timer
- IR Receiver for remote setup
- IP40 / IP65 with supplied gasket
- Max mounting height: 15m
- Dims: 88mm Ø x 112mm Depth

High bay, stand alone mains voltage powered, ceiling



MPAD-C-DALI-230V

Stand alone mains voltage powered, ceiling mounted microwave sensor with DALI / DSI dimming.

- Coverage: 12-16m Ø at 2.8m ceiling height
- Presence or absence detection
- Light level sensor and adjustable timer
- IR Receiver for remote setup
- Max mounting height: 3m
- Dims: 76mm Ø x 68.5mm Depth



MPAD-C-A-230V

Stand alone mains voltage powered, ceiling mounted adjustable microwave sensor.

- Adjustable detector head / range
- Presence or absence detection
- Adjustable light level threshold and adjustable timer
- IR Receiver for remote setup
- Max mounting height: 3m
- Dims: 85mm Ø x 99mm Depth



MPAD-C-A-DALI-230V

Stand alone mains voltage powered, ceiling mounted adjustable microwave sensor with DALI / DSI dimming.

- Adjustable detector head / range
- Presence or absence detection
- Light level sensor and adjustable timer
- IR Receiver for remote setup
- Max mounting height: 3m
- Dims: 85mm Ø x 99mm Depth



MPD-W-EXT-230V

Weather proof stand alone mains voltage powered, wall mounted microwave sensor.

- IP66 enclosure
- Presence detection
- Adjustable light level threshold and adjustable timer
- IR Receiver for remote setup
- Max mounting height: 3m
- Dims: 110 x 110 x 63mm

Low Voltage Ceiling Mounted Sensor with Combined PIR, D and Infrared Control

- PIR detection optimised for small movement
- Coverage: 4.8m Ø at 2.8m ceiling height
- For connection to iCAN networks via UIM, JIG-2, UIS or C
- Dimensions: 49mm Ø x 35mm Depth

Low Voltage Ceiling Mounted Presence/Absence PIR Sensor

- PIR detection optimised for small movement
- Coverage: 7m Ø at 2.8m ceiling height
- For connection to iCAN networks via UIM, JIG-2, UIS or C
- Dimensions: 76mm Ø x 68.5mm Depth

Low Voltage Ceiling Mounted Presence/Absence Microwave

- Microwave detection optimised for small movement
- Coverage: 12-16m Ø at 2.8m ceiling height
- For connection to iCAN networks via UIM, JIG-2, UIS or C
- Dimensions: 76mm Ø x 68.5mm Depth

Low Voltage Ceiling Mounted Adjustable Presence/Absence Microwave Sensor.

- Microwave detection optimised for small movement
- Coverage: 12-16m Ø at 2.8m ceiling height
- For connection to iCAN networks via UIM, JIG-2, UIS or C
- Dimensions: 76mm Ø x 68.5mm Depth

HVAC Control

Heating & Cooling Control



HVAC-1

The HVAC-1 controller is ideal for individual room heating and cooling control. Each unit may be configured for the site application to control fan coil settings as well as underfloor heating. The unit is provided with a variety of analogue and digital inputs to support multiple sensors.

Being able to control both the underfloor and fan coil systems from the one controller can significantly reduce the cost of a project as separate systems are no longer required.

HVAC-1 seamlessly integrates with iLight's Lighting and Shading systems as well as integrating directly to BMS.

Software

Enterprise Software Suite

Enterprise Suite is a set of software packages for the control and operation of iLight lighting control systems. There are three packages available with different levels of control capability to cater for even the most demanding lighting control application.

Enterprise Operate is designed to give powerful user control through a simple intuitive customised graphical interface. Action may be manually controlled or scheduled for specific day/date and times using the powerful astronomical timeclock scheduler.

Enterprise Floorplan adds the ability to import building and cable wide floor plans for additional control and feedback on system health.

Enterprise Suite Complete with Server includes energy usage displays and advanced graphs for greater insight into system energy consumption.



TSG40

The TSG40 colour touchscreen allows the user to select and control room lighting, heating, cooling, blind and curtain settings.

Room temperature control modes can easily be altered between Auto, Heat only, Cool only and Off at a touch of the screen while the occupant can effortlessly adjust the temperature set point and fan speeds within each room.

An integrated temperature sensor is also supplied on the TSG40 to remove the need for remote room temperature sensors. TSG40 surround is also available in a number of finishes with options to match the surround to any RAL colour to ensure it matches your project colour scheme.

- 4" capacitive colour touchscreen for direct connection to HVAC-1
- Heating, cooling, shading and lighting control
- Combined fan coil heat/cool and under floor heating control



PSU-24AC-DIN

PSU-24AC-DIN provides a 24V AC output for powering the HVAC-1.

With a 12VA output this is an ideal PSU to use where power isn't provided by the fan coil itself.

PSU-24AC-DIN also incorporates fuse protection via a self resetting fuse.

Enterprise Floorplan

The second level software package includes Floorplan control. Floorplans can be imported into the software after commissioning stage to display a visual overview of the lighting network fitting. Lights can be controlled via this view and the network monitored for potential lamp failures and network faults. Enterprise Floorplan also includes the Enterprise Operate and Suite Complete functions from the first level package.

Network overview

One network - fully scalable

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 scalable 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.

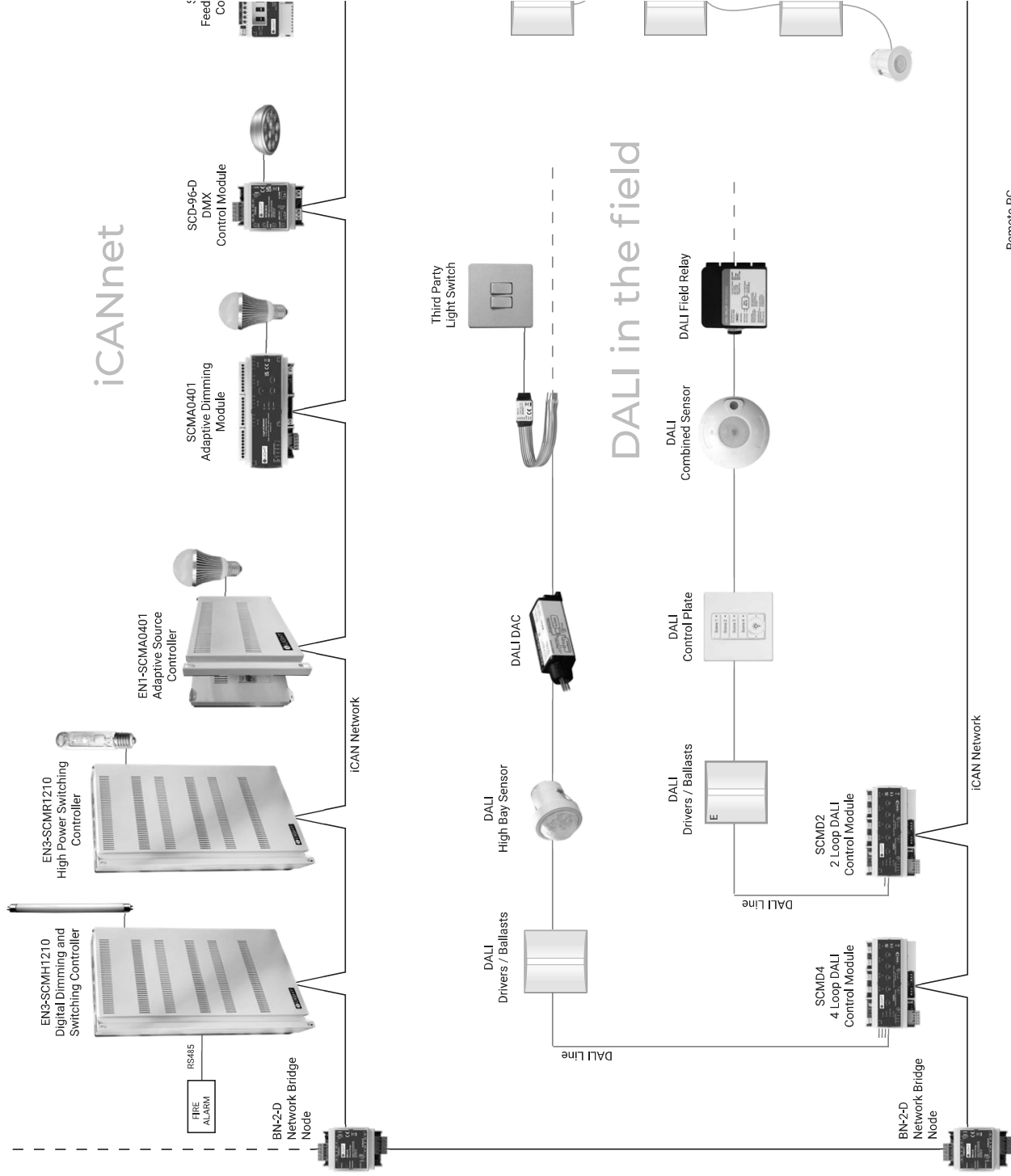
The extensive iLight product range includes source controllers, interfaces and accessories that provide control solutions across residential, commercial and entertainment style projects. All common communications protocols are catered for, ensuring that the iLight system seamlessly integrates with other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

Network cabling may be undertaken using iLight iCANnet cable or alternatively industry standard cable types eg. Belden 1502R.

Connectivity

The iLight system provides connectivity to the following protocols;

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



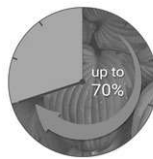
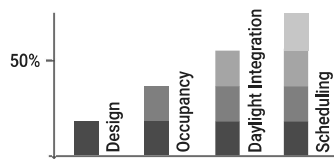
Product Compliance

- CE & UKCA compliant to all relevant standards
- Designed and manufactured to ISO9001 standard
- Dedicated In house R&D and PCBA manufacture
- Manufactured in the UK

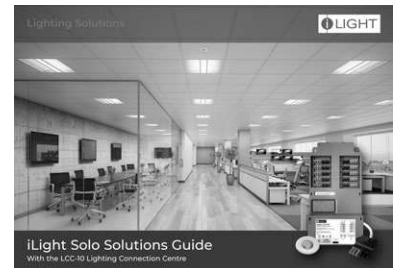
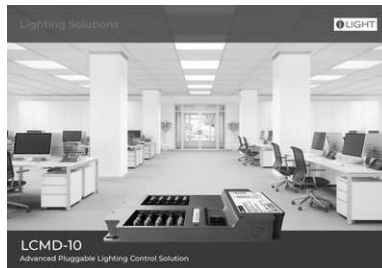
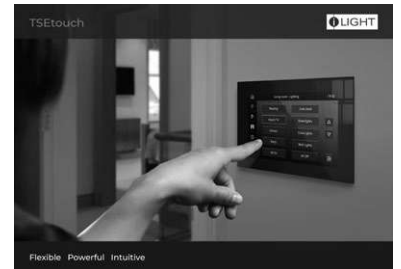
Code Compliance

- 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



Related iLight literature



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