# iLight
## intelligent controls

INTELLIGENT CONTROLS

ambience with control and efficiency

# understanding...

## iLight Control...

**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 ensure project success.**



Medinah Hotel, Saudi Arabia

From boutique retail outlets, to blue chip organisations and from intimate restaurants to globally renowned hotel complexes, we provide the control tools to transform spaces with light.

The iLight product range 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.

We can also provide a complete system solution 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 and where possible are customisable; so they blend seamlessly with their surroundings.

## iLight – ambience with control and efficiency

## ...your control needs

expression...

# Style & Ambience...

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.



Veeraswamy Restaurant, London

### Expression

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 on a timed loop.

# Home or Away…

**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.**



Threshing Barn, Guildford

## Relaxation

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.

In the same way 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.

iLight's graphical interfaces are intuitive and easy to use, enabling those guests and conference centre users 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.

relaxation…

The Style Hotel, Vienna

# Productivity & wellbeing...

**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.**









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 can 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.

Lighting control systems also 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.

efficiency...

# Enhance & Promote...

**In some applications iLight systems can just be used to enhance or promote architectural structures to their very best potential.**
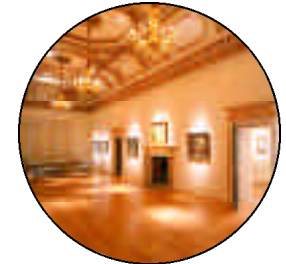

Pheonix Initiative, Coventry

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.

iLight 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.



distinction...

flexible...

# iCAN Range...

**The iCAN 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 options so any size of system can be built in virtually any combination.**

## Controllers

iLight source controllers suit all common load types including:-

● Inductive, resistive and capacitative
● 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 iCAN 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 com-pletely 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.

# control...

## IR Devices

iLight offers an ergonomic IR handset for selecting scenes.

Bang and Olufsen enabled control panels are available allowing the use of the B&O IR handset.

iLight also has software specially written for use with a Philips Pronto or Marantz Universal Remote controls and the Palm Pilot.

## Sensors & Interfaces

iLight has a range of presence detectors and light sensors that can be used to gain valuable energy savings.

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

The System Integrator allows the iCAN 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.
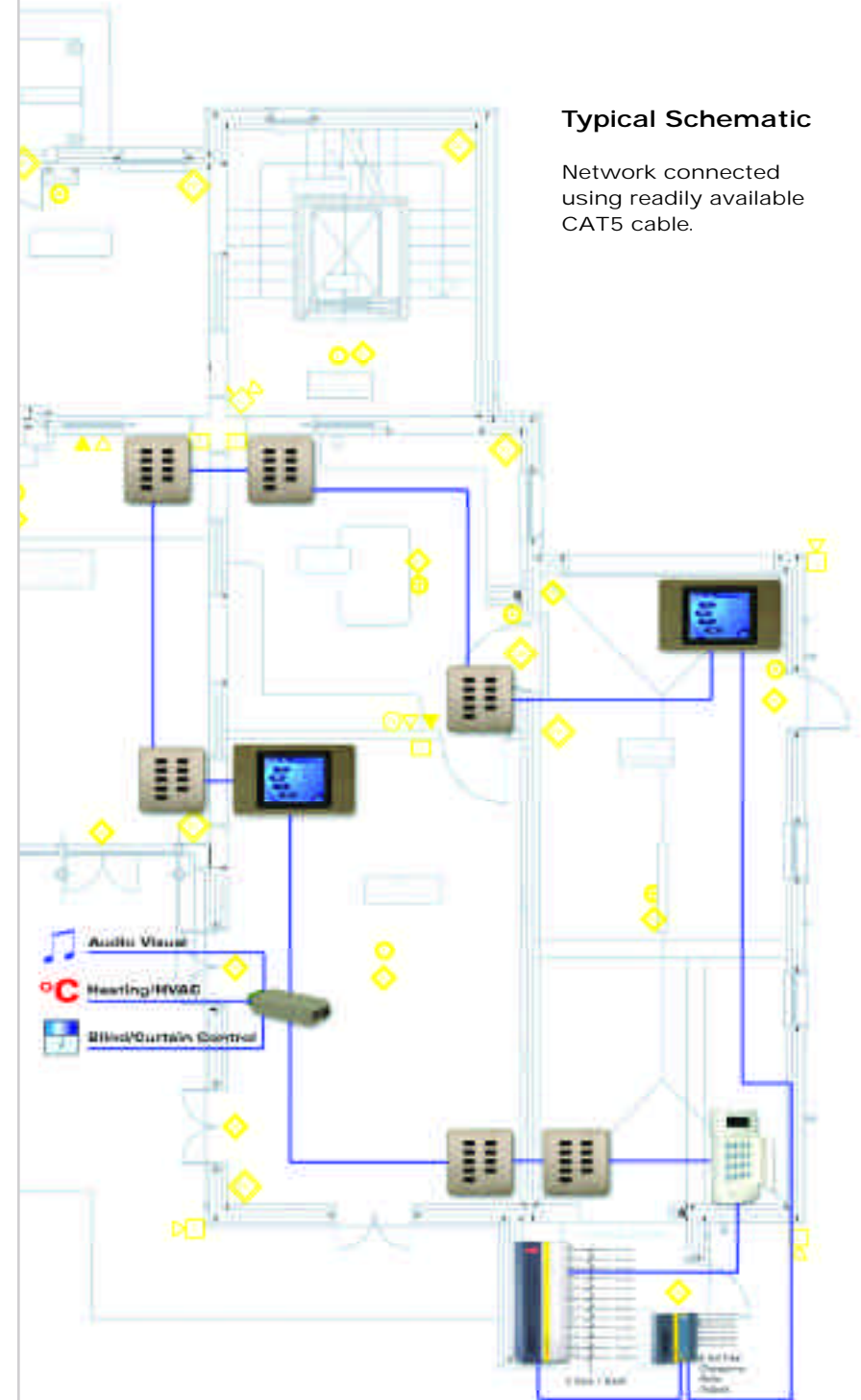
## Software

iCANsoft™ is used to configure all iCAN 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.

## Typical Schematic

Network connected using readily available CAT5 cable.

Audio Visual

°C Heating/HVAC

Blind/Curtain Control

# System Integration...

These days lighting control is only part of building automation and often needs to be integrated with other services to provide holistic building control. iLight is at the forefront of enabling integration for both commercial and domestic applications.



### Integration

In commercial applications iLight often integrates with Building Management Services (BMS), and our dedicated engineering team have solutions for all types of integration.

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 iCAN control panel could be used to control lighting, audio and curtains; resulting in improved ergonomics and eliminated "wall clutter".

total solution

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