Glamox

Light Management Made Easy

A simple technical guide to
Glamox Lighting Control Solutions

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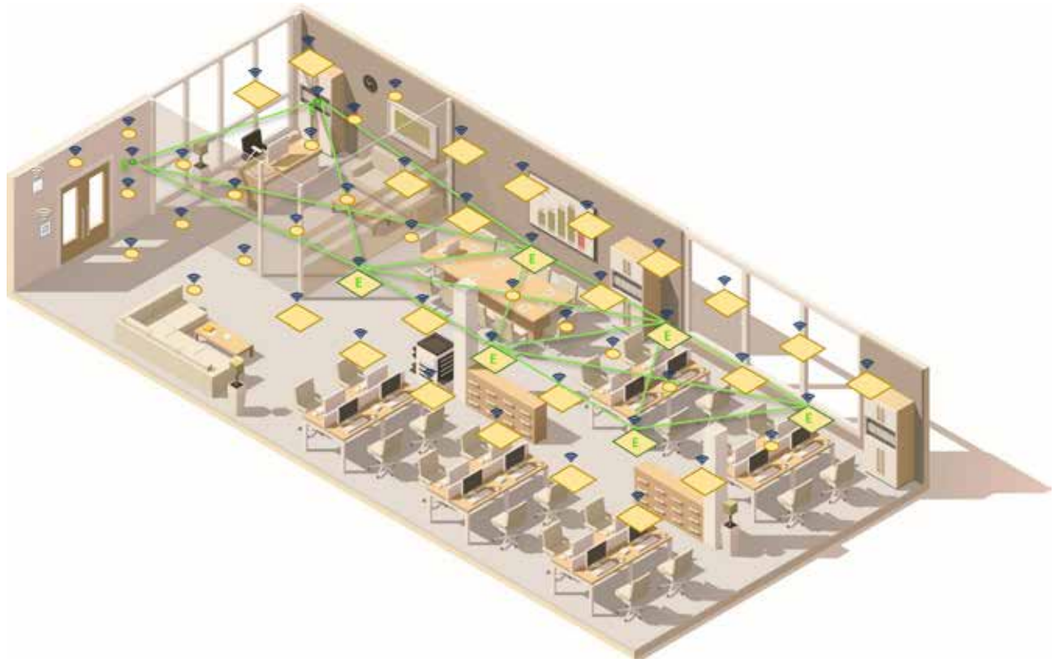
Welcome

Controls do not need to be complex to design, commission or operate. We take great pride in the simplicity of our solutions, the ease of managing them and the joy of using them.

This technical handbook aims to provide a complete ‘how to’ guide for all Glamox LMS solutions.

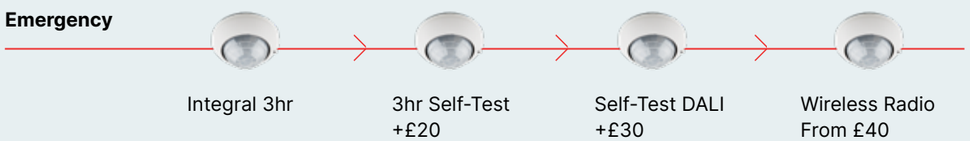


The right light, in the right place, at the right time

More than lighting

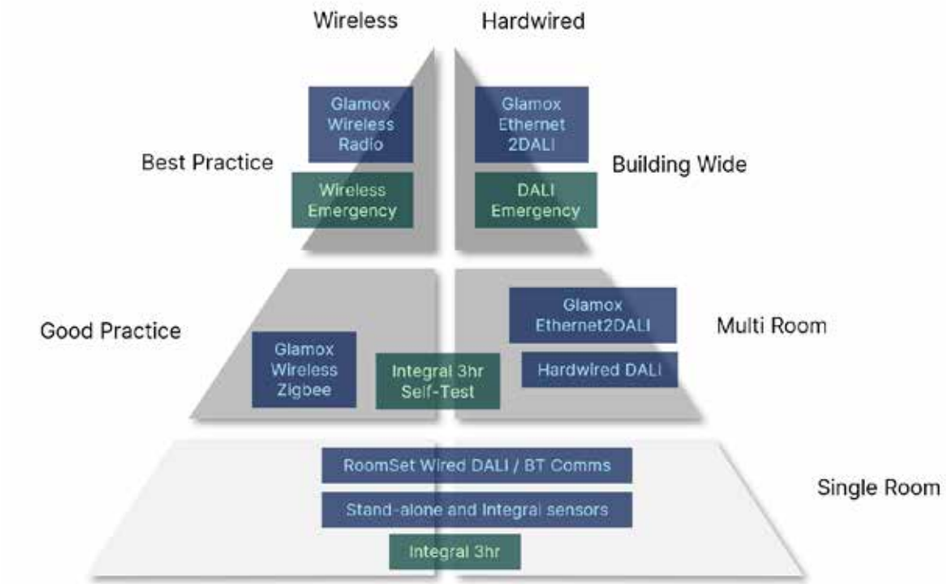
As a dedicated solutions provider, we prioritise more than just lighting solutions. Our focus is on delivering cutting-edge technology that integrates energy efficiency and human-centric control methods.

Price Structure



The table above serves as a basic price guide, providing a general reference for estimating costs. However, it's important to note that specific products may require extensive reworking of luminaire internals and/or externals, resulting in pricing that falls outside of the parameters outlined in this guide.

Product Hierarchy



Our feature rich solutions have been chosen to provide both high performance and peace of mind.

Both our Wireless and Hardwired systems are kept simple by their modular design – meaning that you can easily add, change, take away or expand the system as your requirements change.

The value of Wireless

Choosing between traditional DALI
and a Wireless System is no longer a financial decision

High Frequency	DALI	CPW2-SEN
£60	£80 +(£40)	£120
HF	DALI +£20	D4i DALI +£25
	From £40 p/l	From £40 p/l
£0.41 p/m	£0.68 p/m	£0.41 p/m

Industry leading solutions

- Wireless radio from £40 per luminaire
- DALI systems cost approx. £40 per luminaire
- DALI and Wireless are now cost neutral
- Less Wireless hardware to install over traditional DALI

CPW2 multi-sensor

What it means

- CPW2 benefits most commercial luminaires (normal mounting height)
- CPW2 is not always suitable for every luminaire type (e.g. High-bay, downlights)
- Integral daylight sensor
- Out-of-the-box readiness

New in 2024

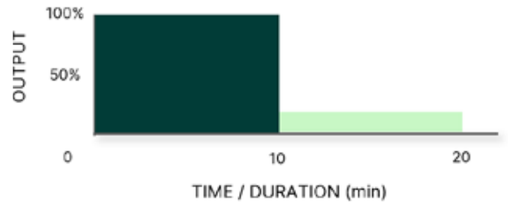
- Wireless BT switch
- BT end-user scene control ‘app’

In 2020 Glamox decided to invest and reduce the cost of Wireless to match or better any comparable system. The results of this investment have now been launched in the UK as the new CPW2 sensor from Glamox. This device realises the ambition that we have held for many years, to be able to include wireless controls at the price-point previously offered for simple standalone luminaire sensors or a traditional DALI system.

Glamox Wireless Radio offers the functionality of a fully integrated connected lighting system and more. There are features over-and-above classic DALI systems such as dynamic grouping, independent daylight zones and scene control with built-in logic to prioritise and manage the interaction of these functions.

Our online Wireless Portal provides automated emergency testing and monitoring, heat mapping and the ability to monitor and enhance every aspect of wellbeing in the workplace such as circadian rhythms and checking Co_2, temperature, humidity and noise levels.

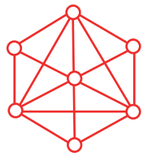
Out-of-the-box Readiness



Factory settings provide immediate functionality upon power up:

- Upon presence the PIR will activate to 100% for 10 minutes
- After 10 minutes of absence, the fitting dims to 10% for a further 10 minutes
- Start saving energy with immediate effect

Wireless Communication Types



Mesh

- Extensive coverage between multiple nodes
- Robust against failure with alternative data paths
- Scalability for easy expansion

Point 2 Point

- Immediate device-to-device communication
- Minimised data transmission via intermediaries
- Reduced latency for faster response times

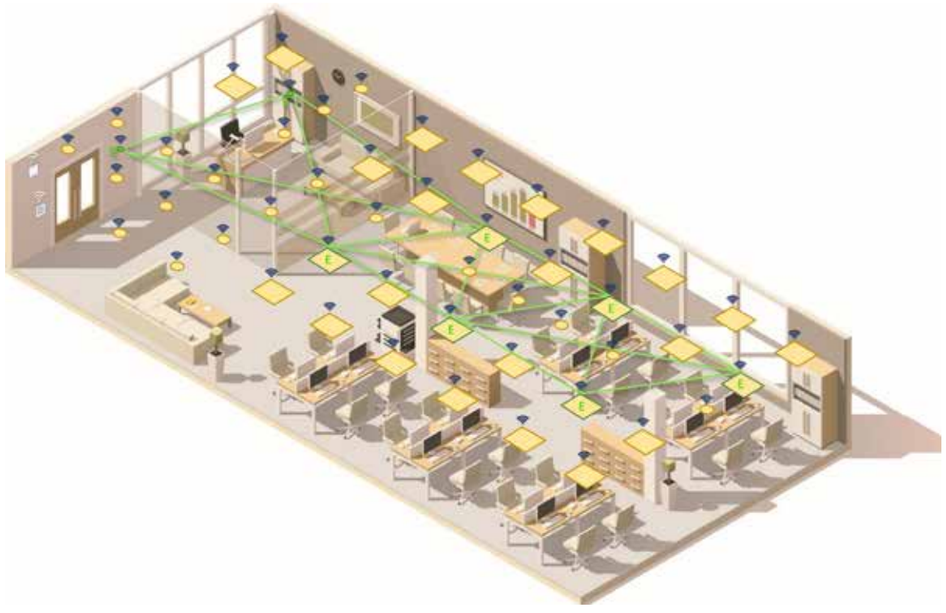
P2P – Gravity Linking

- Gravity Linking connects out-of-range luminaires
- Extends network coverage
- Simplified network management

Wireless systems offer a diverse range of communication technologies. Typical Blue-tooth systems rely on mesh networks to ensure strong signal coverage for all network devices.

However, mesh networks can suffer from data congestion and slower response times, making certain features like corridor linking challenging.

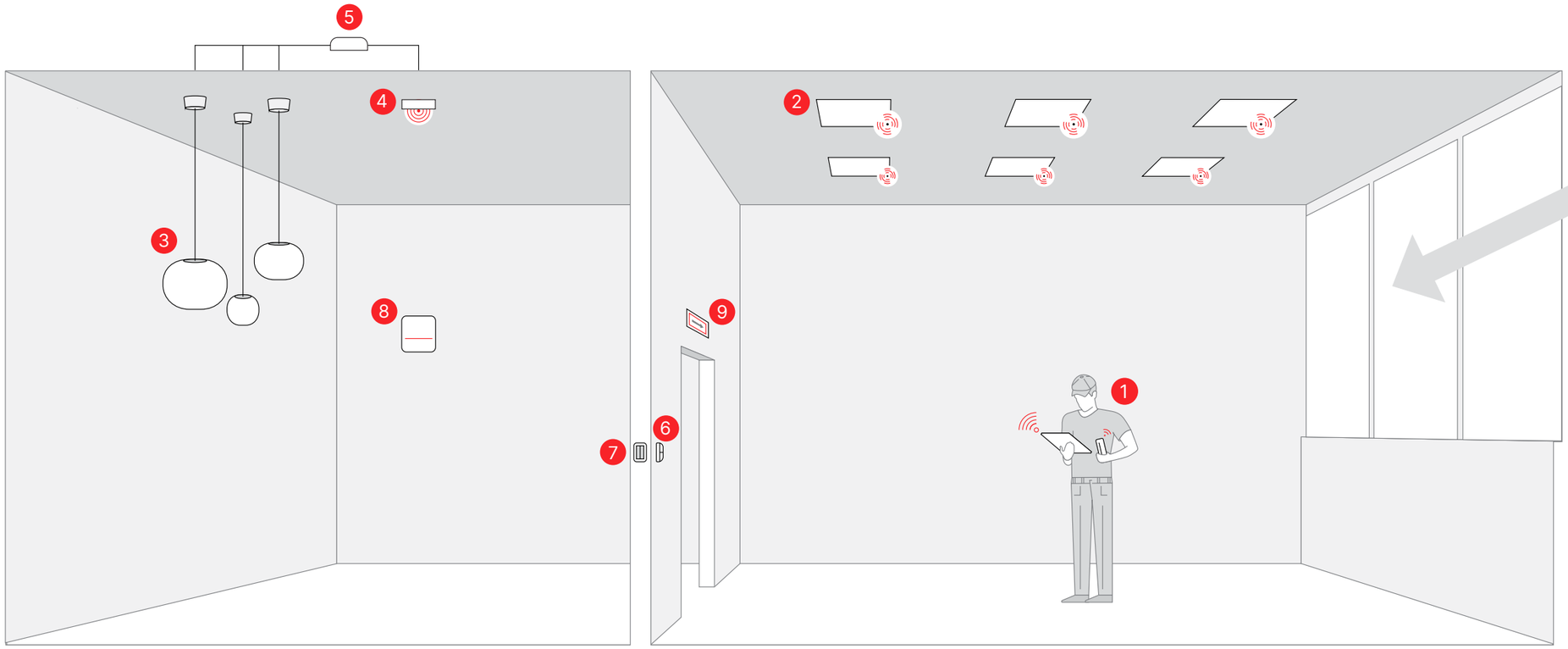
In contrast, Point-to-Point communication enables direct communication between individual devices, reducing data transmission and latency times significantly.



Glamox Wireless Radio utilises hybrid communication technology, enabling the system to adapt to the required function by utilising the appropriate communication type.

- Point to Point is used for direct commands, switching or dimming luminaires, recalling scene's etc
- Mesh is used for data reporting back to an access point – this type of data transmis-sion isn't dependent on speed or immediate response.
- In instances where luminaires are out of range, they are simply linked to an in-range luminaire through Gravity Linking – to ensure comprehensive communication with every device within the network.

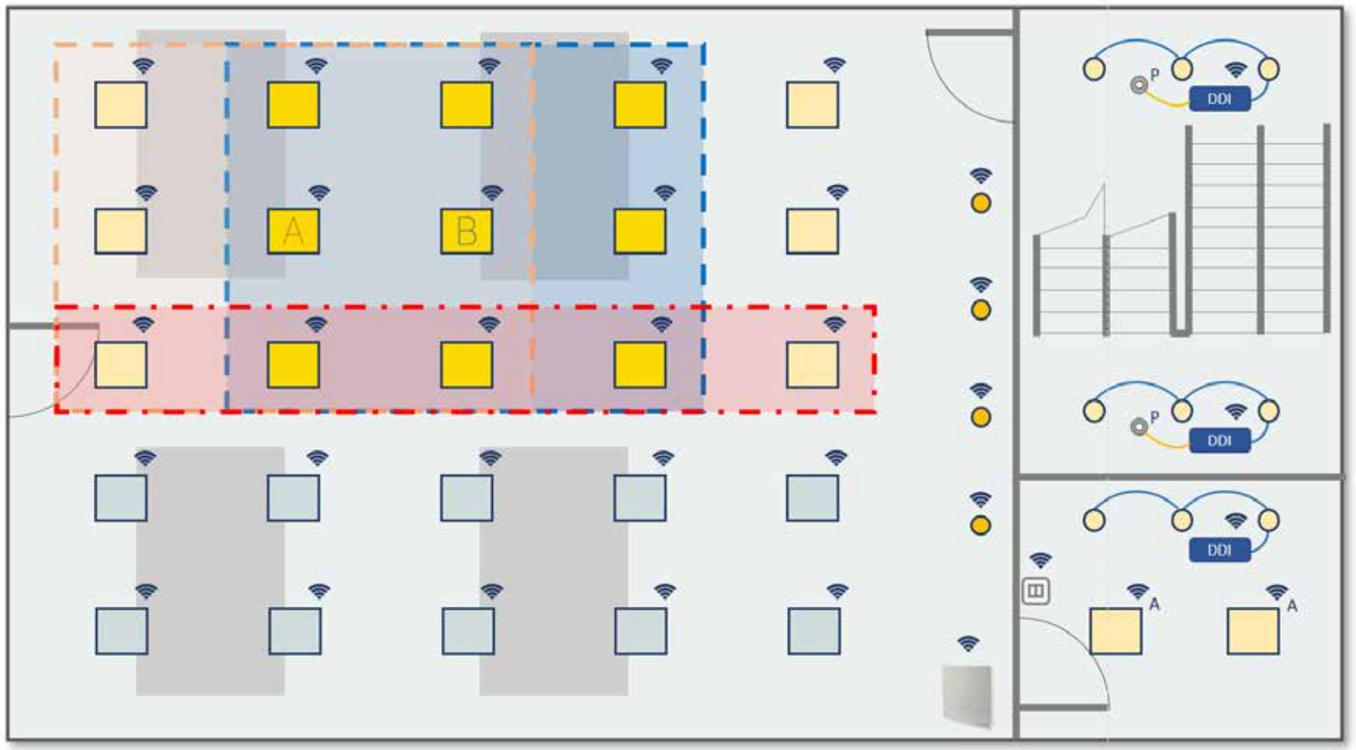
Glamox Wireless Radio – System Overview



Daylight Luminaires are linked by row inward of the window, and in accordance with natural light ingress

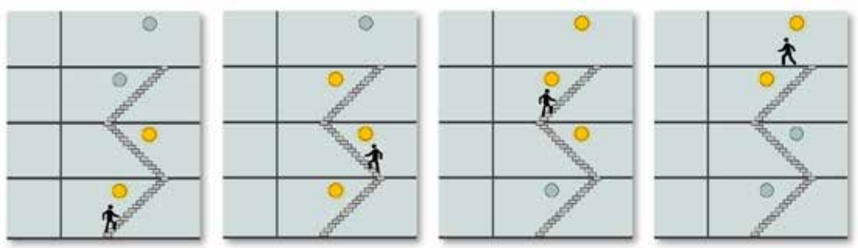
1. Commissioning tablet with pre-installed software and a dongle that communicates from Bluetooth to Wireless Radio
2. Smart Luminaire with a WR node, integrated PIR and light sensor
3. Standard DALI (non-WR) luminaires
4. External PIR or light sensor
5. Wireless Radio to DALI bridge with sensor input
6. Standard push buttons
7. Scene controller with transceiver. Scene controllers are available as mains voltage or as a battery powered wall box version
8. Access point to for cloud-based central monitoring
9. Emergency light with Wireless Radio transceiver

Wireless made easy



Typical floor plan

Dynamic Grouping



Dynamic grouping enhances energy efficiency by ensuring that only the necessary luminaires are lit at any given time. It can be applied in various scenarios:

- Open plan: Luminaires are organised into a movable grid of 9 fittings and follow the user
- Corridors: A group of 3 luminaires illuminates the corridor, effectively lighting the way ahead
- Stair cores: Landings are interlinked with both the landings above and below

Wireless Technology

Design and installation of Wireless Radio couldn't be easier. There are no special zoning requirements and areas can be freely added or taken away without the need to add or alter any internal wiring.

- 3 Core wiring – L, N, E only
- Re-use existing cables / circuits
- 868 MHz frequency for 'Short Range Devices'
- Wireless nodes transmit up to 100m
- Significant benefits over Bluetooth networks
- Low latency means faster reaction times
- Granular control with Dynamic Grouping
- Building wide functionality (optional)

Centralised Functionality

Optional cloud-based web portal allows remote access to data rich reporting and building insights.

- Emergency testing – self-test emergency reports
- Energy monitoring – calculated energy reporting
- Heat mapping – space management

Wireless Tool Kit

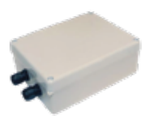
Wireless Tablet, Software & Dongle
LPS364201

Access Point
Office (IP20)
LLW365347

Industry (IP65)
650001002

Scene Plate
LLW365348
Battery Controller 650001007
Mains Controller 650001001

DDI Box
With Enclosure LLW362379
PIR LLW362369 (DDI Box only)
Node only 650001017
Max. 4 DALI luminaires



DBNI Box
IP56 LLW362375
Max. 64 DALI luminaires

HER Wireless Relay
IP56 LLW365349
Node only 650001010
Max. 5A per circuit

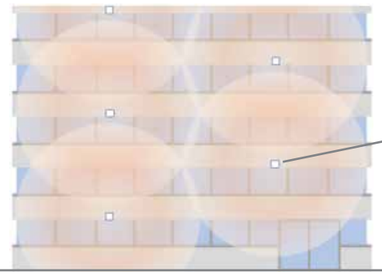
Daylight Sensor
Office 650001006
Industrial LLW365374

Access Points

Access Points make the link between field level control and cloud-based diagnostics and reporting, elevating your setup from simple lighting control to comprehensive light management.

Design Notes:

- Maximum 750 luminaires per access point (Regulation limit 1000 – allowing 25% overlap)
- Recommended minimum of 2 access points for system resilience
- Gravity linking removes the requirement for additional access points in stair cores or for external lighting



Unobstructed radius of 80m

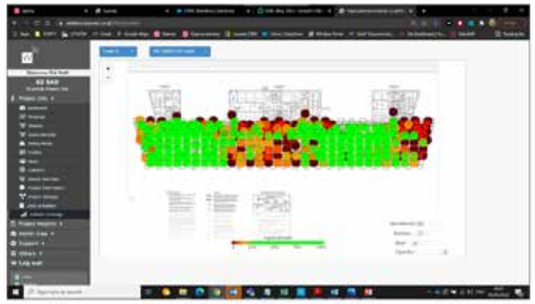
IP20 Access Point
Communicates in all directions

IP65 Option
Industrial / Outdoor applications

Access Points clearly indicate network coverage via the web portal. Luminaires that fall out of range are simply “Gravity Linked” with an in-range transceiver to ensure they remain within reach.

Signal Quality

Collators are sensitive to interference. Thick concrete, electrical cables and metal structures will reduce range. Please speak to the design team if you have any concerns or need any guidance with positioning.



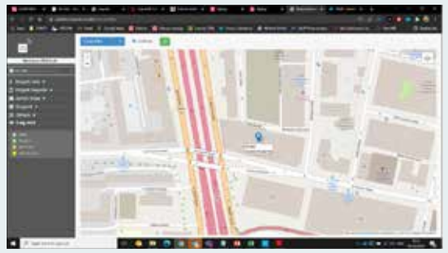
Connectivity

Client LAN Connection (hardwired)
- Common practice to create a VLAN to maintain separation
- No annual fees for data
- Stable connection – no potential of signal loss

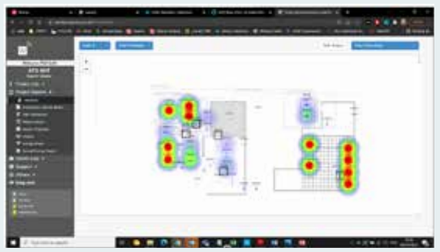
Access point provided with SIM DONGLE
- Dongle is pre-configured for the access point
- Customer supplies their own data SIM card

Access points provided with Data SIM
- We provide O2 SIM cards by default
- Client responsibility to ensure network coverage
- Tri-band cards available upon request

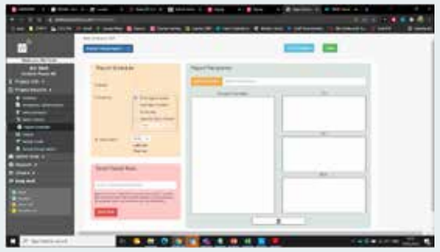
Wireless Portal



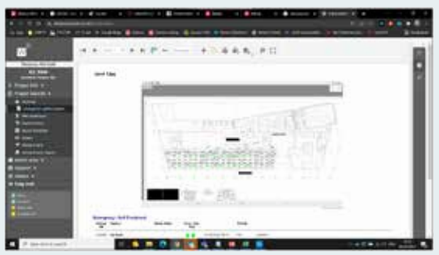
Identify your site by postcode



Review occupancy data with automated heat mapping



Schedule automated reports for occupancy, energy and emergency lighting



View your emergency lighting test results Immediately diagnose and locate any failures

Emergency Reporting

Wireless Controls for Emergency Only

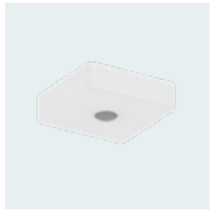
- Emergency lights and exit signs use a dedicated emergency node
- Some Installations do not have a control requirement but need emergency monitoring
- Installations with existing systems, can use Wireless for emergency monitoring only
- Extensive range of Wireless Emergency Luminaires (standalone examples below)

SINZ E-S

SNZ360740

LED-EM T-R70

LDE360336



LUMI-S E3/WR CR

LUM144736

E3M Wireless Node

Reduced size for emergency luminaires

Special Considerations

- Identification - Luminaires are positively identified by switching them on and off
- RF Range - Spacing between Emergency Lights is often much further than between the standard luminaires – which makes Bluetooth mesh unsuitable
- Centrally fed – wireless monitoring can extend to central battery and further integrate with BMS systems

Self-Test Emergencies

- Emergency luminaires perform both function and duration testing throughout the year
- If a test fails it is indicated by a flashing red LED
- A green LED is therefore proof that (a) a test has run and passed in the last 28 days and (b) a Duration test has run and passed in the last 12 months
- This is in accordance with the Emergency Lighting Standard BS/EN 5266 and the Emergency Lighting Automated Testing Standard BS/EN 62034

Emergency Test Reports

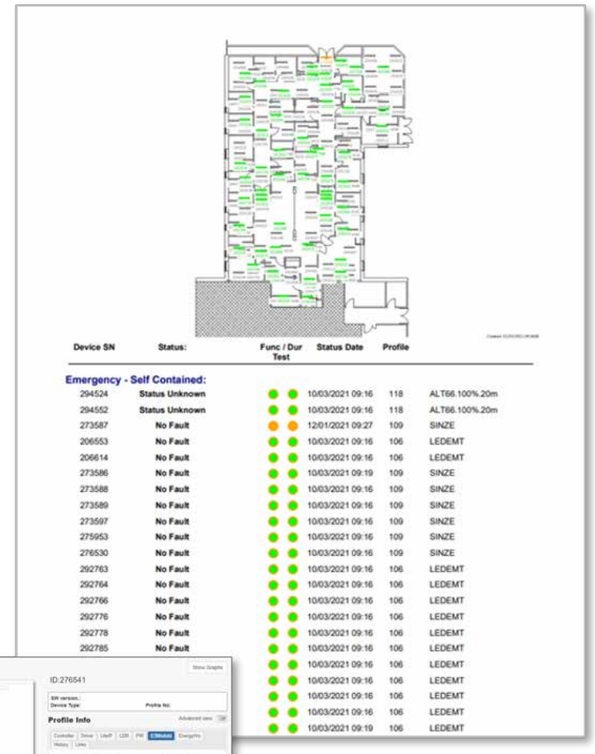
Emergency reports are automatically emailed to you every month and stored in the cloud (off site) for you to review or reprint for auditable purposes.
Alternatively, you can visit www.wireless.luxonic.co.uk to view the Emergency report which will identify any failures and show the type of fault (Charge, Battery or LED)
Once on the portal, enter the Post Code for the site > click Project Reports > Click Emergency Lighting Report

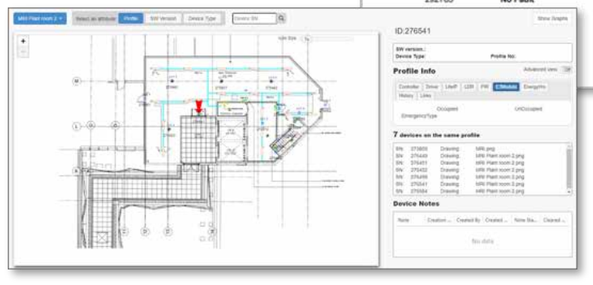
IP20 Access Point

Communicates in all directions

IP65 Option

For industrial / Outdoor applications





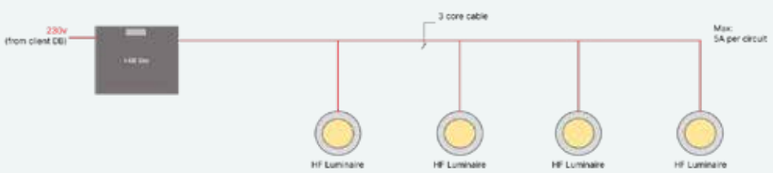
Wireless to Hardwired

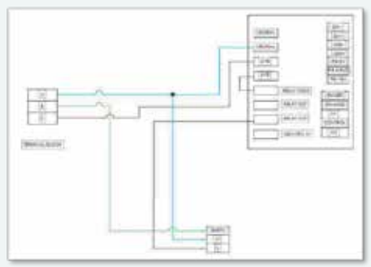
All under control

Occasionally, creating a wireless variant of a product is impracticable. In such circumstances, wireless control boxes are utilised to facilitate the management of both DALI dimmable and high-frequency (HF) switched drivers.

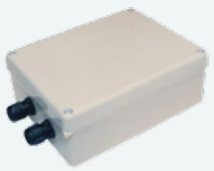
- Wireless relay (HER) for HF luminaires provides a 5A switched load
- DBNI box provides DALI Broadcast for a maximum of 64 luminaires
- DDI box for DALI Broadcast control of up to 4 luminaires
- DDI box provides option for pluggable PIR with 7m detection area
- DBNI and HER boxes should be grouped with remote fittings or sensors where possible
- Emergency monitoring is not possible via wireless control boxes – use stand-alone EM

HER – High Efficiency Relay





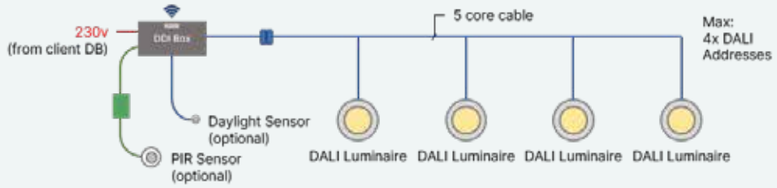
Internal Wiring

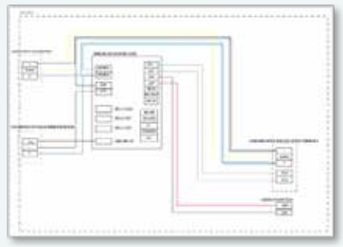


HER Box

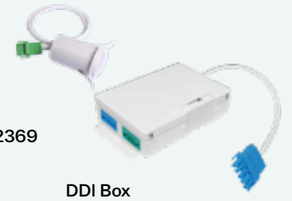
LLW365349

DDI – DALI Dimming Interface





Internal Wiring



DDI/PD

LLW362369

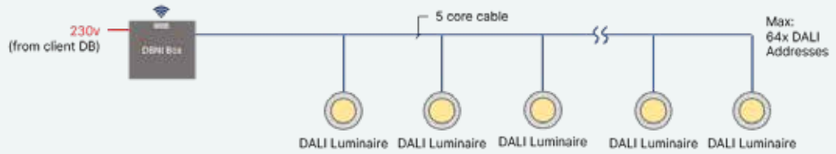
DDI Box

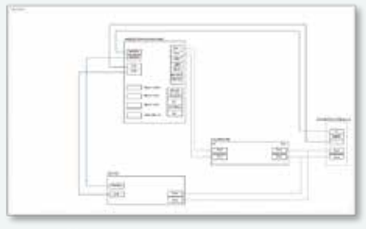
LLW362379

Male plug

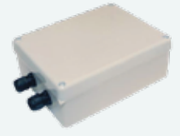
KL9011677

DBNI – DALI Broadcast Node Interface





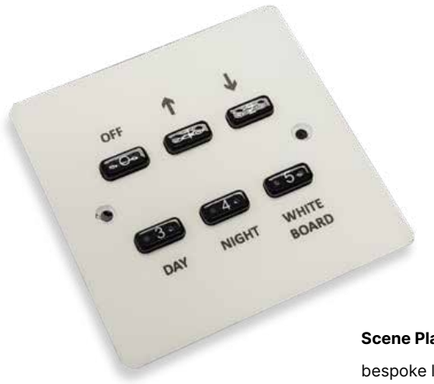
Internal Wiring



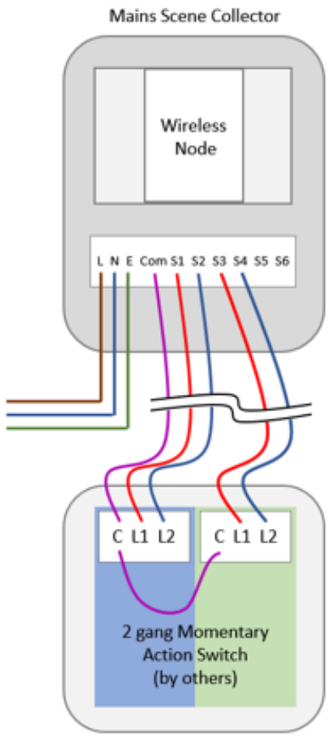
HER Box

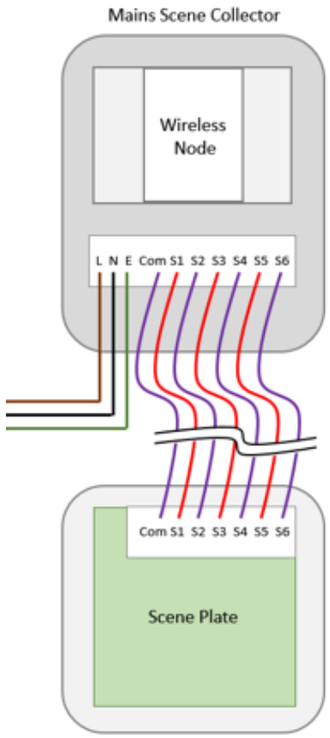
LLW365349

Wireless to Hardwired



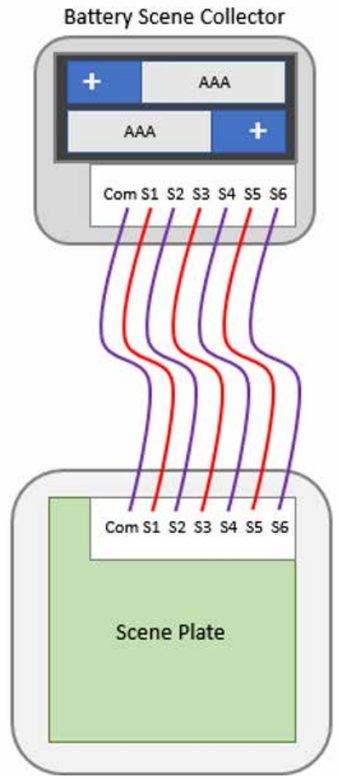
Scene Plate with optional powder coating and bespoke labelling





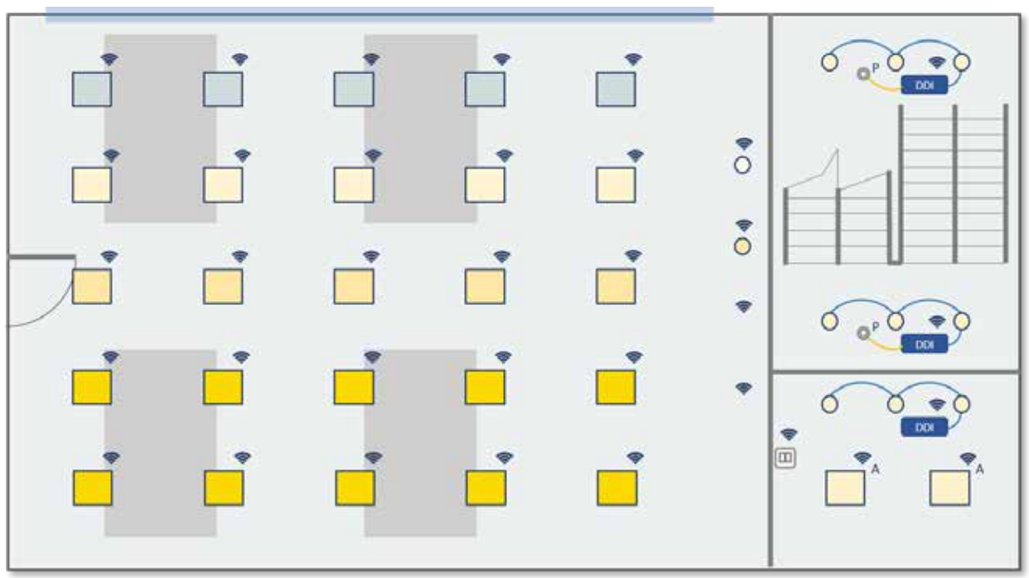
Scene plates and switches

- Both variants of the scene collector can connect to a scene plate or momentary action switch
- Scene plates fit standard UK back box
- Standard finish for scene plate is stainless steel
- Choice of mains powered or battery scene collectors
- 45mm (min) back box required when using battery pack
- AAA batteries are not included with Battery Scene Collector
- 10-year battery life
- Face plate can be powder coated and labelled if required (additional charges apply)



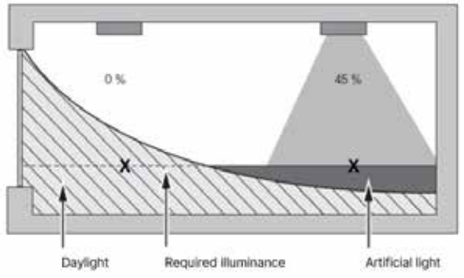
Side Profile

Daylight Linking

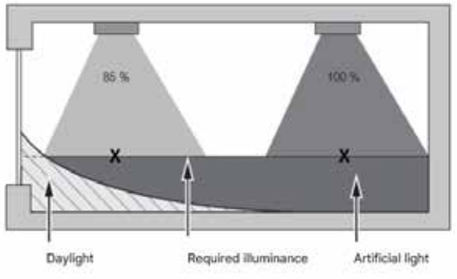


Typical floor plan

Daylight linking – Bright Day



Daylight linking – Dull Day



Daylight Linking

- All Glamox LMS solutions offer daylight linking
- Maximise your energy savings
- Dim internal lighting in accordance with daylight levels
- Reduce energy by as much as 80%
- Best practice – daylight link +2 rows
- Good practice – daylight link window row
- Recommended 1x daylight sensor per façade/per floor
- Sensor options for both Hardwired and Wireless Radio

Easy Installation

- DALI sensors provide PIR and daylight sensors
- Wireless daylight sensors can be built in or stand-alone
- Can also be used to trigger dusk-dawn lighting

Tool Kit

Internal Wireless Daylight Sensor
650001006

DALI Multi-Sensor
KL9013811

Industrial Wireless Daylight Sensor
LLW365374

Human Centric Lighting

Human-centric and Tunable White lighting

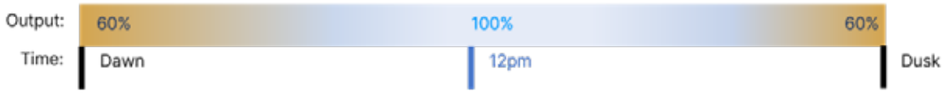
The increasing tendency for individuals to remain indoors for a large part of the waking day, has unintended consequences for our natural circadian rhythms, primarily due the exposure of artificial lighting that is not aligned with our biological needs. Facilities like offices, schools, and healthcare centers often use bright, daylight enhanced lighting to maintain alertness and productivity.

However, blue-enriched light, which is beneficial during daylight hours for maintaining wakefulness and focus, can become harmful when exposure extends into the evening. Many people who work or study late are especially vulnerable to disruptions in their circadian rhythms. This is because exposure to blue light at night can severely suppress the secretion of melatonin, the hormone that helps regulate sleep, effectively reprogramming our body clock and potentially leading to a range of health issues.

Natural light constantly changes both its colour temperature and intensity throughout the day. HCL lighting provides biologically optimized compositions of light to enhance concentration and productivity in the daytime working and learning environments while encouraging relaxation and regeneration during the night

Lighting control systems provide the platform and means to optimize colour tunable, HCL lighting. A Pre-set profile is provided detailed below) or this can be modified to suit the end user / client specification

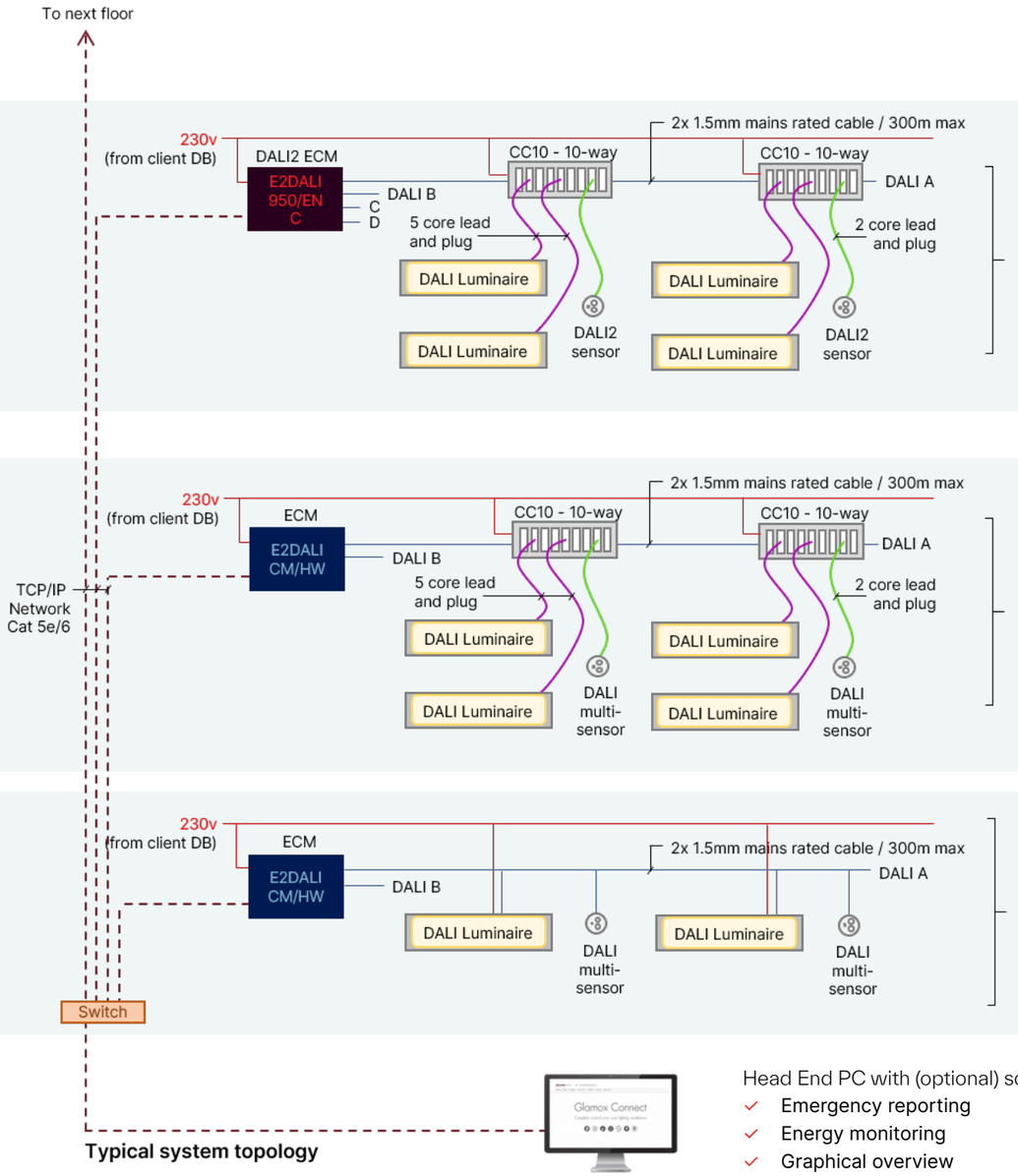
Automated HCL control profile



Using global positioning and an astronomical time clock, the system automatically adjusts the HCL timeline and associated temperatures based on time of year/daylight hours.

- The DALI control system starts the HCL time profile at dawn with lighting at its warmest colour temperature, at around 60% output
- This fades to the coolest colour temperature by 12pm and will hold both colour temperature and highest (100%) output until 2pm
- From 2pm lighting fades from the coolest colour temperature back to the warmest
- The warmest colour temperature is reached at dusk, at 60% output.

Glamox Ethernet2DALI



Typical system topology

Dynamic solutions

DALI2

- D2 ECM provides 4no DALI 2 lines
- DALI 2 ensures seamless integration with other D2 devices
- Future-proof - ready for advancements in lighting technology
- System limit - 20 routers max.
- Can co-exist with D1 ECMs
- Input devices do not use a luminaire address

Plug and Play

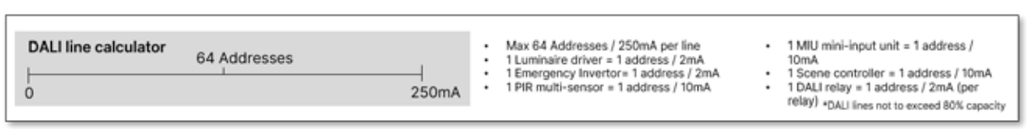
- Each CC10 box provides 9 power/DALI outputs
- Luminaires supplied with 3m / 5 core cable
- DALI PIRs supplied with 3m / 2 core cable
- Each CC10 allows through wiring for power and DALI feed from ECM

Hardwired

- Permanent 230v supply to all luminaires
- ECM provides 2no DALI lines
- 64 address / 250mA per DALI line
- Luminaires and DALI input modules connect to the DAI bus
- DALI cable = 2× 1.5mm / 300m max run

Head End PC with (optional) software:

- ✓ Emergency reporting
- ✓ Energy monitoring
- ✓ Graphical overview
- ✓ Space management



Ethernet2DALI planning guide

- ✓ Smart building / IoT ready
- ✓ Simple modular design options
- ✓ Central control and visualisation
- ✓ Energy monitoring
- ✓ Emergency monitoring (automated)
- ✓ BMS integration
- ✓ TCP/IP Cat 5/6e network structure
- ✓ Blind automation
- ✓ Expandable solution
- ✓ Time saving installation options

Head End PC
Standard - LLE362474
Advanced - LLE362471
8 Way Switch - LLE365375

E2D Connectivity Module
ECM LKE360363
D2 ECM LKE365376

Plug and play solution
CC10 LLC365377
Input Plug (female) LLC365378
Output Plug (male) LLC365379

DALI Multi-Sensor
Recessed LLD365380
Surface LLD365417

4 Scene Plate
LLD362427

Mini-Input Unit (MIU)
LLD365435

Commissioning and Maintenance Services

From commissioning, to end user and installer training, our services encompass every stage of the project. We ensure seamless integration of technology, optimal system performance, and ongoing maintenance support.

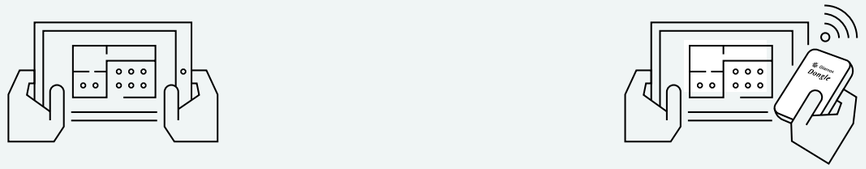
Our expertise enables us to deliver reliable solutions that maximise the efficiency and functionality of your system.

Commissioning

Our bespoke commissioning service is the cornerstone of ensuring your lighting control systems are perfectly tailored to your space. Leveraging over 50 years of combined in-house engineering expertise, we guarantee a seamless integration of our advanced lighting solutions into your environment, ensuring optimal performance and satisfaction from day one.

- High efficiency - 200 devices per day
- Can be completed as phased works
- Our in-house engineers will deal with and fix issues along the way
- System demonstration and client training included at handover

Wireless Commissioning Process



Training

Empowerment through education stands at the heart of our training service. We offer comprehensive, hands-on sessions designed to equip your team with the knowledge and skills to master our lighting control systems. Our experienced engineers lead these sessions, sharing insights and techniques honed over decades to ensure you can maximise the potential of your lighting solutions.

- Hands on training for both hardwired and wireless systems
- From simple set up to advanced diagnostics
- Field or classroom based depending on requirements and availability
- Training material provided where applicable

Maintenance

The longevity and reliability of your lighting control systems are our top priorities. Our maintenance service is meticulously crafted to keep your systems running at peak efficiency. With preventive care, expert troubleshooting, and ongoing support from our seasoned engineering team, we ensure your investment continues to perform flawlessly for years to come.

- Enhanced system reliability
- Longer lifespan of equipment
- Improved energy efficiency
- Safety and compliance assurance
- Performance optimisation
- Access to technical support

Item Codes and Guidance

Wireless Radio

Item No.	Sales Text	Description	Notes
End User Interface			
LPS364201	LMS WIRELESS TABLET, SOFTWARE & DONGLE	LMS Wireless - Tablet, Software, Bridge	
650001003	LMS WIRELESS DONGLE INC SOFTWARE	Software and Bridge only	Min. Spec: Samsung Tablet A8 10.5" or higher
Access Points and Connectivity			
LLW365347	LMS WIRELESS ACCESS POINT IP20 (UK)	Access Point - Office (IP20)	c/w UK mains adaptor
650001002	LMS WIRELESS ACCESS POINT IP65	Access Point - Industry (IP65)	
LLW365710	LMS WIRELESS 4G SIM DONGLE ONLY - NO SIM/DATA	4G Sim Dongle	Pre-configured for use with any micro SIM
Scene Plates and Switch Inputs			
LLW365300	LMS WIRELESS SP2B/SS	2 button Scene Plate	2 Button - Stainless Steel
LLW365297	LMS WIRELESS SP4B/SS	4 button Scene Plate	4 Button - Stainless Steel
LLW365348	LMS WIRELESS SP6B/SS	6 button Scene Plate	6 Button - Stainless Steel
650001007	LMS WIRELESS SCENE CONTR BAT	Battery Scene Controller	Min. 45mm back box
650001001	LMS WIRELESS IP56 SCENE CONTROLLER	Mains Scene Controller Box	IP56 Enclosure
650001005	LMS WIRELESS IP20 SCENE CONTROLLER	Mains Scene Contoller	Node only (c/w strain releif caps)
Fire Alarm Interface			
LLW365343	LMS WIRELESS FIRE ALARM INTERFACE	Voltage Free Input for Fire Alarm	All lights go to 100% in the event of Alarm
DALI and Switched Luminaires			
LLW362379	LMS WIRELESS DDI	DDI Box	Max. 4no DALI drivers
LLW362369	LMS WIRELESS DDI/PD	DDI Box PIR	Pluggable PIR for DDI Box only
LLW362375	LMS WIRELESS DBNI	DBNI Box	Max. 64 DALI luminaires
LLW365349	LMS WIRELESS HERIP56	HER Box (IP56)	Wireless Relay Max. 5a load
DALI and Switched Luminaires - Node Only			
650001017	LMS WIRELESS DDI 4 DALI BRIDGE	DDI 4 DALI Bridge	Node only (c/w strain releif caps) Max. 4no DALI
650001010	LMS WIRELESS IP20 RELAY UNIT	HER Wireless Relay Unit (IP20)	Node only (c/w strain releif caps). Max. 5a load
650001019	LMS WIRELESS IP56 RELAY UNIT	HER Wireless Relay Unit (IP56)	
Remote Sensors			
650001006	LMS WIRELESS LIGHT SENSOR KIT	Daylight Sensor - Office	Node and Sensor
LLW365374	LMS WIRELESS RLS/UWIP56	Daylight Sensor - Industrial	IP56 Enclosure
650001016	LMS WIRELESS 1M PIR BEZ HEAD	Wireless PIR	Sensor Only - 1m lead
EXT001004	LMS EXT CHW-SENQW TW M25	Wireless PIR with enclosure (IP66)	Suitable for External Lighting
SIM Cards (New)			
O2 Network			
LLW365711	LMS WIRELESS 12 MONTHS DATA - O2		Approval required before supply
LLW365712	LMS WIRELESS 36 MONTHS DATA / O2		Approval required before supply
LLW365713	LMS WIRELESS 60 MONTHS DATA - O2		Approval required before supply
Telenor Network			
LLW365714	LMS WIRELESS 12 MONTHS DATA - TD		Approval required before supply
LLW365715	LMS WIRELESS 36 MONTHS DATA / TD		Approval required before supply
LLW365716	LMS WIRELESS 60 MONTHS DATA - TD		Approval required before supply
SIM Cards (Renewal) - Existing Customers Only			
O2 Network			
LLW365717	LMS WIRELESS 12 MONTHS DATA RENEWAL - O2		Approval required before supply
LLW365718	LMS WIRELESS 24 MONTHS DATA RENEWAL - O2		Approval required before supply
LLW365719	LMS WIRELESS 36 MONTHS DATA RENEWAL - O2		Approval required before supply
LLW365720	LMS WIRELESS 48 MONTHS DATA RENEWAL - O2		Approval required before supply
LLW365721	LMS WIRELESS 60 MONTHS DATA RENEWAL - O2		Approval required before supply
Telenor Network			
LLW365722	LMS WIRELESS 12 MONTHS DATA RENEWAL - TD		Approval required before supply
LLW365723	LMS WIRELESS 24 MONTHS DATA RENEWAL - TD		Approval required before supply
LLW365724	LMS WIRELESS 36 MONTHS DATA RENEWAL - TD		Approval required before supply
LLW365725	LMS WIRELESS 48 MONTHS DATA RENEWAL - TD		Approval required before supply
LLW365726	LMS WIRELESS 60 MONTHS DATA RENEWAL - TD		Approval required before supply

Hardwired DALI

Item No.	Sales Text	Description	Notes
Head End and Networking			
LLE362474	Link/E2daliHE-S	Standard Head End PC	PC with basic user software
LLE362471	Link/E2daliHE-A1	Advanced Head End PC	For use with Graphics
LLE365375	Link/EthernetSW8PSU	8-way Network Switch	Provides connectivity to 7no ECMs
Graphics Packages			
TBC	LINK/E2D/EXT-10	Graphics Package	Base Licence for 10 DALI networks
GU000345	LINK/E2D/EXT-20	Graphics Package	Base Licence for 20 DALI networks
GU000346	LINK/E2D/EXT-Plus10	Graphics Package	Adds additional 10 DALI networks
DALI Control Panels			
LKE360363	Link/E2DaliCM/HW	E2D ECM	Provides 2no DALI networks
LKE365376	LINK/E2DALI/950/ENC	E2D D2 ECM	Provides 4no DALI2 networks
10 way Wiring Boxes			
LLC365377	Link/DaliCC/10	LCM / Marshalling Box	10 way, 5 core pluggable box
LLC365378	Link/DaliMP/5	Male Plug for Luminaires	Power and DALI supply
LLC365379	Link/DaliFP/5	Female Plug for Power and DALI feed	Power and DALI luminaire feed
Sensors, Scene Plates and Switch Inputs			
LLD365380	Link/DaliMS2	PIR and Photocell	Recessed
LLD365417	Link/DaliMS2/SM	PIR and Photocell	Surface Mounted
LLD365418	Link/DaliMW	DALI Microwave Detector	Detection range from 17-23m
LLD365419	Link/DaliHBMS	DALI High-Bay PIR and Photocell	Max. 15m mounting height
LLD362427	Link/DaliSP4RLO/SS	4 Scene plate with Raise/Lower and Off	White Buttons/Stainless Plate
LLD365435	Link/DaliMIU	DALI Mini Input Unit	For momentary action switch (by others)
LLD365436	LINK/E2DALIIU	DALI Input Unit (DIN)	For use with Fire Alarm and switch volt-free inputs

On-Site Services

Commissioning, Training and Maintenance		
C517	LMS Commissioning Day	Day Rate
C518	LMS Training Day	Day Rate
C519	LMS Maintenance	Variable Contract Rates

Functionality at a Glance

Glamox Connect
Have even more control with GlamoxConnect - our user-friendly dashboard solution. Choose our cloud-based web application to gain all the information for handling maintenance in a quick, easy and cost-efficient way.

Wireless Radio
A wireless solution based on 868 MHz protocol - perfect when you require easy commissioning in a challenging environment.

Ethernet2Dali
Our most advanced cabled solution. It's perfect if you need a scalable solution with an advanced logical module.

	Single-room			Multi-room			Building-wide	
	ON/OFF sensor	Dimmer	System sensor	DALI Complete	Wireless Bluetooth	Wireless ZigBee	Wireless Radio	Ethernet2Dali
Switch (ON/OFF)	●	●	●	●	●	●	●	●
Presence detection	●		●	●	●	●	●	●
Absence detection	●		●	●	●	●	●	●
Dimming		●	●	●	●	●	●	●
Multi-group			●	●	●	●	●	●
Dynamic grouping							●	
Daylight harvesting			●	●	●	●	●	●
Neighbouring linking			●		●	●	●	●
Tunable white		●		●	●	●	●	●
RGBW		●		●	●	●	●	●
Human Centric Lighting				●	●	●	●	●
Energy monitoring				○			●	○
Scheduler				●	●	○	●	●
Customised user interface				●		○	●	●
Push notification				○		○	●	○
Central monitoring				○		○	●	○
Emergency monitoring				○		○	●	◑
Maintenance monitoring				○		○		○
BMS integration				○		○	●	○
Space usage analytics				○		○	●	○
Online platform				○		○	●	○
Open API				○		○		○

● **Integrated in the system**

Glamox

Glamox

Glamox is a company that develops, manufactures and distributes professional lighting solutions for the UK market. Our mission is to provide sustainable lighting solutions that improve the performance and wellbeing of people. Our local knowledge and capabilities are further enhanced by the support of the Glamox Group, which trades in more than 60 countries, operates 11 factories, and employs over 2,200 people.

High performance and ease of use

Our solutions are designed to combine high performance and sustainability with simplicity and ease of use, offering a superior customer experience. We make smart use of the latest technology and supply it with generations of experience and true care for our customers and their people.

Quality brands and dedicated support

We offer our solutions through a range of quality lighting brands. Regardless of brand, the close follow-up of each customer is at the heart of our offering. Whether in a production facility or an office building, our ambition is to provide lighting that contributes to a better life for the businesses we serve and those who work there.

Written by Phil Kett, Glamox

www.glamox.com/uk