MADE IN BRITAIN ®

designplan
L I G H T I N G

DYNAMIC, ENERGY EFFICIENT
ILLUMINATION
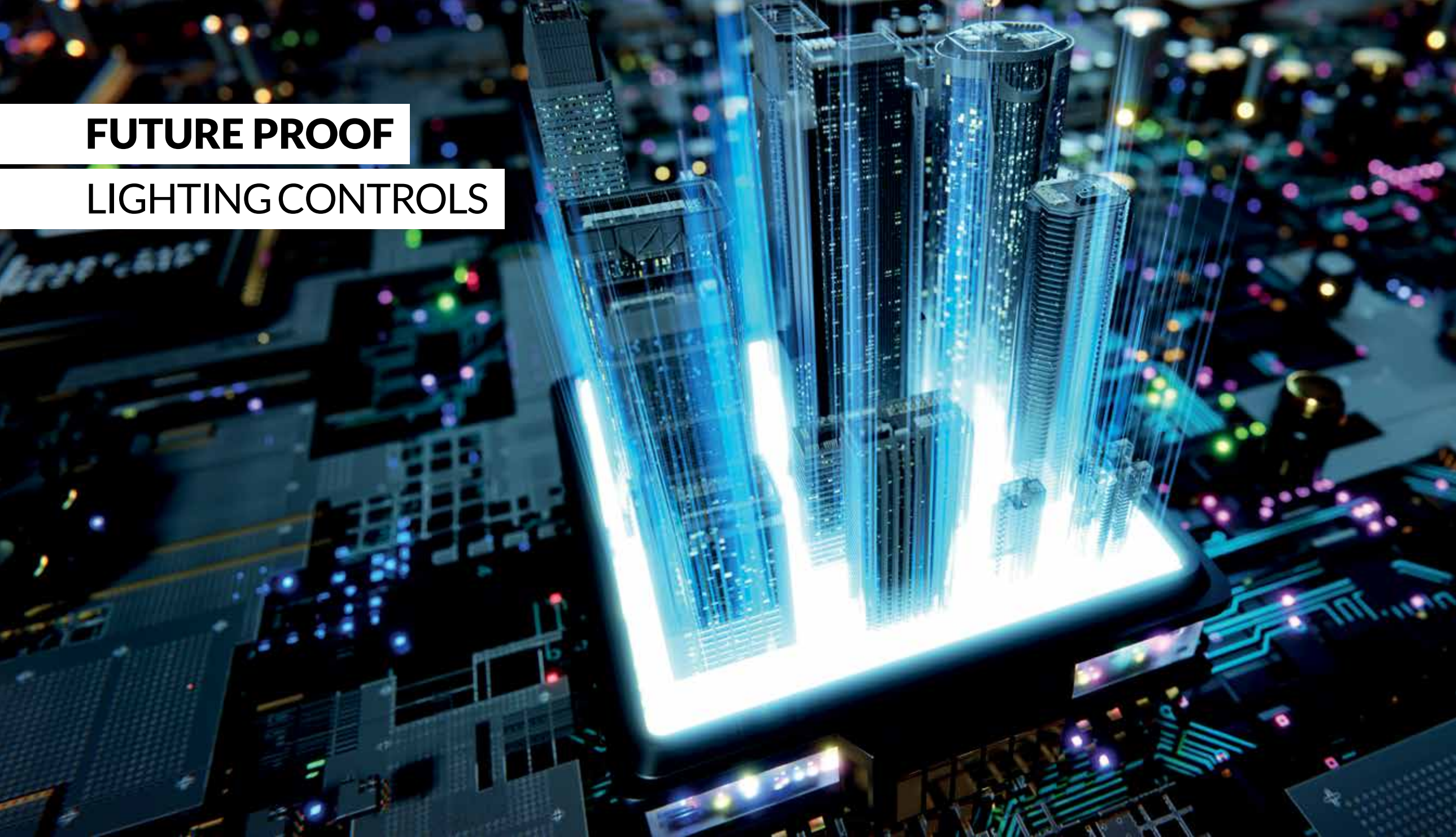
FUTURE PROOF
LIGHTING CONTROLS

DESIGNPLAN LIGHTING
PEACE OF MIND

When it comes to lighting challenging environments, we have an unrivalled wealth of experience and products.

Our luminaires are manufactured in the UK to provide peace of mind to a variety of people including engineers, building operators, lighting designers and the public. Three core values are embedded in our DNA:

Robust & Durable

- High impact & ingress protection.
- Standards compliance.
- Plug & play upgrades.

Service Excellence

- Bespoke & standard solutions.
- Project & design support.
- Vast sector experience (Est. 1963).

Circular Design

- Sustainable technology upgrades.
- Low energy & long operational life.
- Easy to maintain & upgrade.

Lighting controls create energy-efficient and dynamic spaces. The quality of illumination can be improved, and electricity consumption reduced, by focusing light in the required place, at the right time and in the optimum quantity.

Future Proof Your Lighting

Our flexible lighting control solutions can utilise open protocol standards, including DALI-2, to ensure you are not locked into one manufacturer's products.

We believe in low cost of ownership with minimal or no on-going costs. Our future proof lighting control systems, combined with sustainable LED technology upgrades help create safe, welcoming environments.

Wired & Wireless Solutions

We offer both wired and wireless solutions, with the added benefit of remote monitoring. Functionality ranges from occupancy and daylight sensing to full analytics of a facility's operation including emergency testing and reporting.

Our lighting control systems can reduce your energy costs with the use of presence detectors, photocells and timed control.

Connected Luminaires

Our luminaires can be supplied with a number of driver options including switched and DALI-2.

When connected to a lighting control system areas can be programmed to provide the right amount of light when occupied, whilst reducing output to save energy when they are empty.
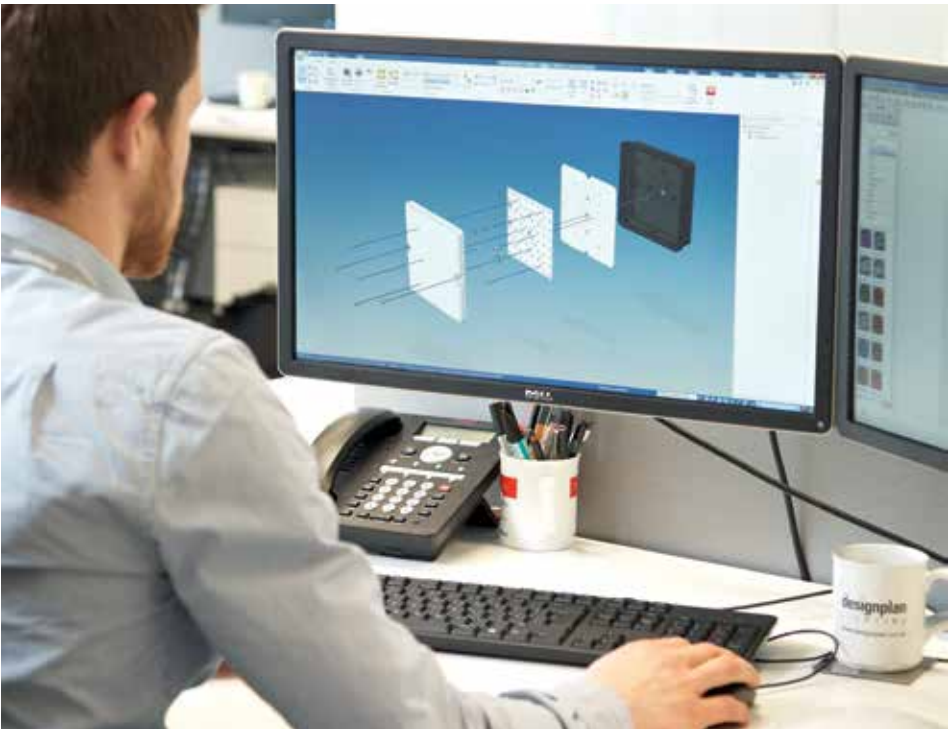
LIGHTING CONTROLS FOR
CHALLENGING ENVIRONMENTS

COMMUNITY & PUBLIC

CUSTODIAL

TRANSPORT

SECURE HEALTH

Lighting designed specifically for challenging environments can help ensure the well-being and safety of users, reduce energy use and meet your compliance obligations. Our 60 years of sector experience ensure we understand the specific needs and requirements of several applications.

Community & Public

Managing these facilities isn't easy. There's a lot to worry about. This includes ensuring lighting is routinely inspected and tested. We can offer open protocol lighting control systems to carry out this function, whilst ensuring you are not locked into a single manufacturer's products. This is why we have developed secure and flexible DALI-2 lighting control.

Custodial

Ensuring the wellbeing of prisoners and operational personnel is of the utmost importance. Our luminaires and lighting control systems have been designed to meet sector specific standards and regulations including specialist emergency lighting requirements.

Transport

We have vast experience in this sector. From traditional switching applications to full lighting control. Our integrated systems use sensors for presence activation and to monitor natural light levels to reduce your energy consumption.

Secure Health

Our colour controlled tuneable white luminaires help create a calmer, more relaxing environment. Cool colour temperatures can boost activity during the day. Warm colour temperatures can aid relaxation at night, whilst enabling bedtime inspections to be undertaken with minimal disturbance.

DESIGNPATH: WIRED EMERGENCY MONITORING

Introducing DesignPath

DesignPath is a wired DALI emergency lighting test system which will help you meet all your regulatory obligations. It helps ensure your emergency lighting is routinely inspected, tested and the test results recorded.

DesignPath provides you with peace of mind. You can also save money by reducing the length of time your engineering team are on location, allowing you to best utilise your resources.

How DesignPath Works

DesignPath will carry out function and duration tests automatically on scheduled times and dates.

The touch screen is quick and simple to use, enabling easy access to test results and reports. DesignPath has an on-board e-mail facility that can send compliance and fault reports directly to your maintenance team.

The DesignPath touch screen has two DALI bus outputs, each capable of controlling up to 64 emergency devices.

DesignPath Benefits

✓ Helps you to meet your regulatory obligations.
✓ Enables you to schedule tests at any time and date without disrupting your building's users.
✓ Can be connected to a building network.
✓ Push e-mail reports sent via a building network or 4G router connection.
✓ No engineering costs for function and duration tests.
✓ Test results are automatically recorded.
✓ API for integration.
✓ Additional dashboard option can be provided.

Wired luminaires.
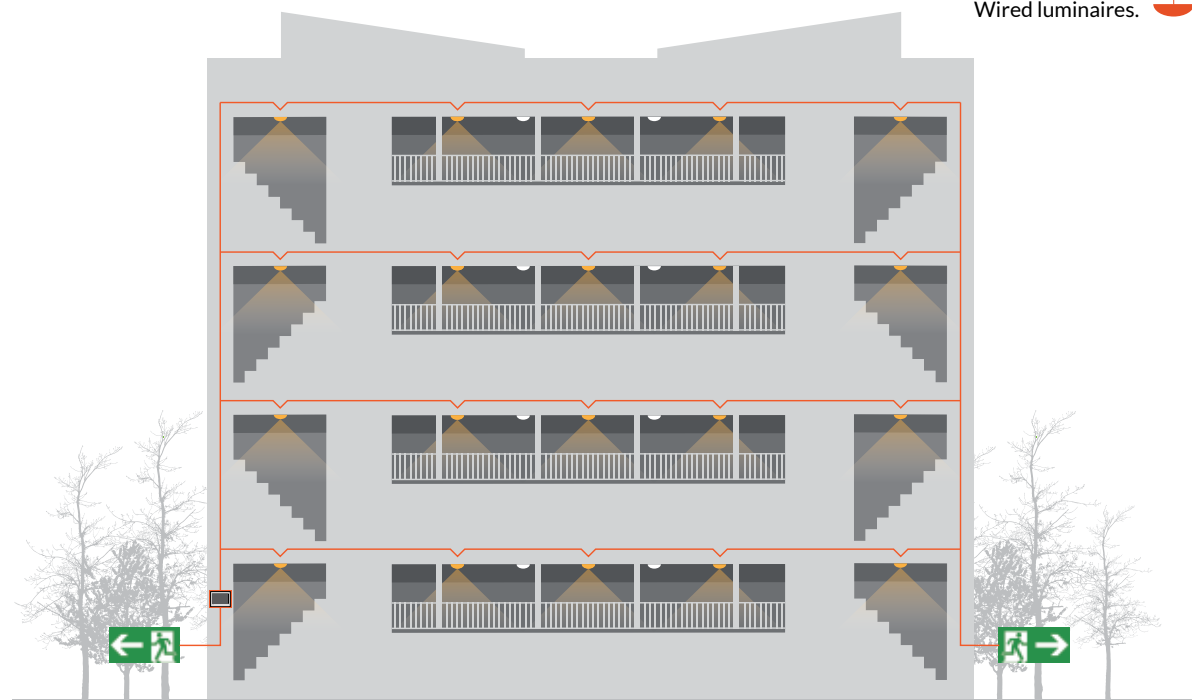
Monitoring of DALI emergency luminaires only.

DESIGNPATH⁺: WIRED DALI-2 LIGHTING CONTROL SYSTEM

Enhanced Wired Lighting Control

DesignPath⁺ is an enhancement to standard wired lighting control. Adding a cloud connection and utilising the DALI-2 open protocol provides a faster and more manageable solution for all types of luminaires.

DesignPath⁺ allows simultaneous multiple user access, right down to a single light fitting.

Cloud Services

DesignPath⁺ provides a cloud services package to suit your needs and applications.
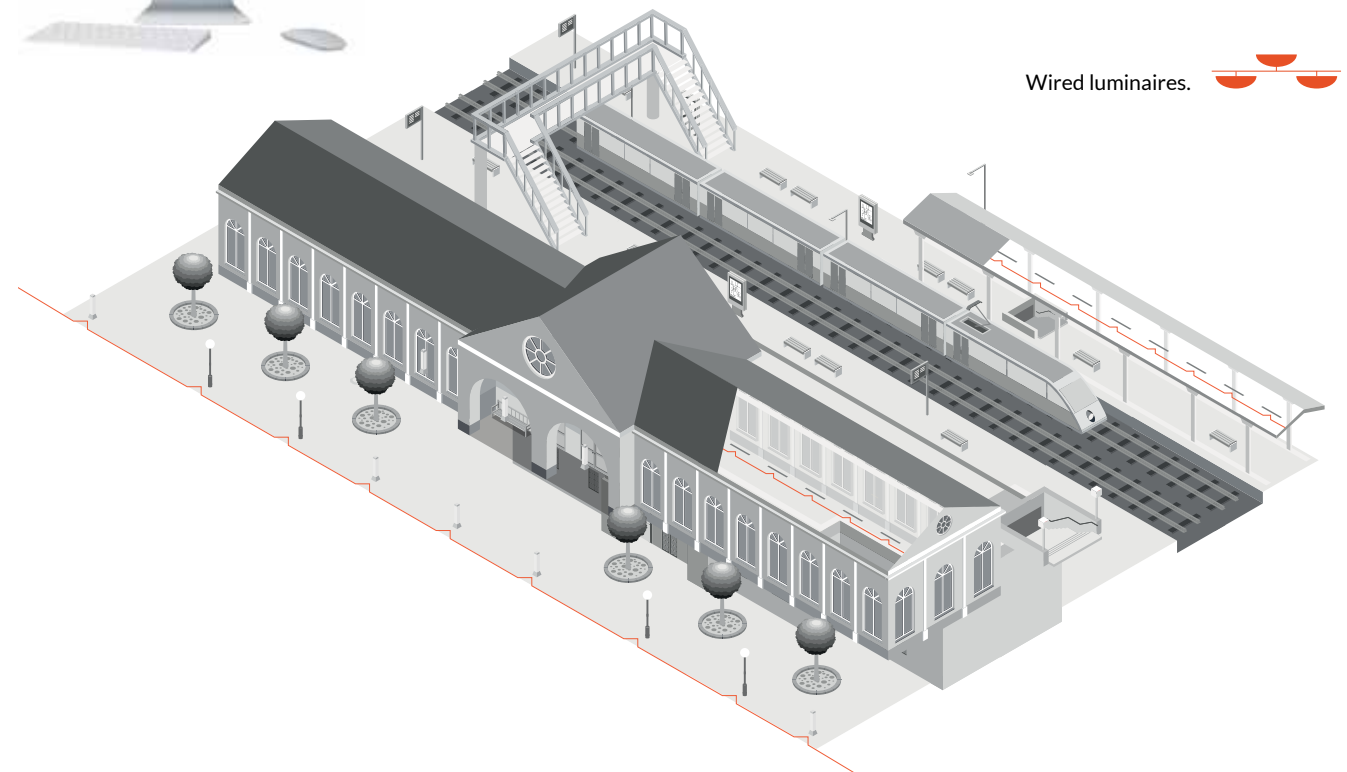
View your installation in an easy to understand plan view. See the location of your lighting, switches and sensors. The plan view allows you to see the position of faults and the current state of your lighting.

You can create custom reporting for energy and test data and make changes remotely to programmed scenes and schedules.

DesignPath⁺ Benefits

✓ Allows you to manage and monitor multiple sites remotely.
✓ Enables problems to be identified immediately.
✓ Set and commission sites from the comfort of your office.
✓ Manage your energy consumption to lower your carbon footprint and reduce costs.
✓ DesignPath⁺ can integrate to other building systems utilising an API interface.
✓ Mobile app for site maintenance.

Wired luminaires.

Full monitoring of all luminaires and DALI-2 devices (drivers, sensors and invertors).

COMING SOON!

DESIGNMESH: WIRELESS EMERGENCY MONITORING

Introducing DesignMesh

DesignMesh is a wireless DALI emergency lighting test system with remote access capability.

DesignMesh will carry out function and duration tests automatically on scheduled times and dates. The touch screen is quick and simple to use, enabling easy access to test results and reports.

How DesignMesh Works

While everything is healthy the touch screen will show a 'tick'. In the event of a test failure, or if a battery/charger problem occurs, a warning triangle will be displayed. Current status and fault reports are readily accessible.

The DesignMesh touch screen panel communicates wirelessly with a small device mounted within each emergency luminaire. Up to 128 luminaires can be controlled by a single panel.

DesignMesh Benefits

✓ Helps you meet your regulatory obligations.
✓ Ideal for new or retrofit applications, where DALI hard wiring is not practicable or cost effective.
✓ Easy to commission using the touch screen panel in combination with an Android app.
✓ Reduces the number of site visits required, saving you time and money.
✓ Remote access capability.
✓ API for integration.
✓ Additional dashboard option can be provided.

Wireless luminaires.
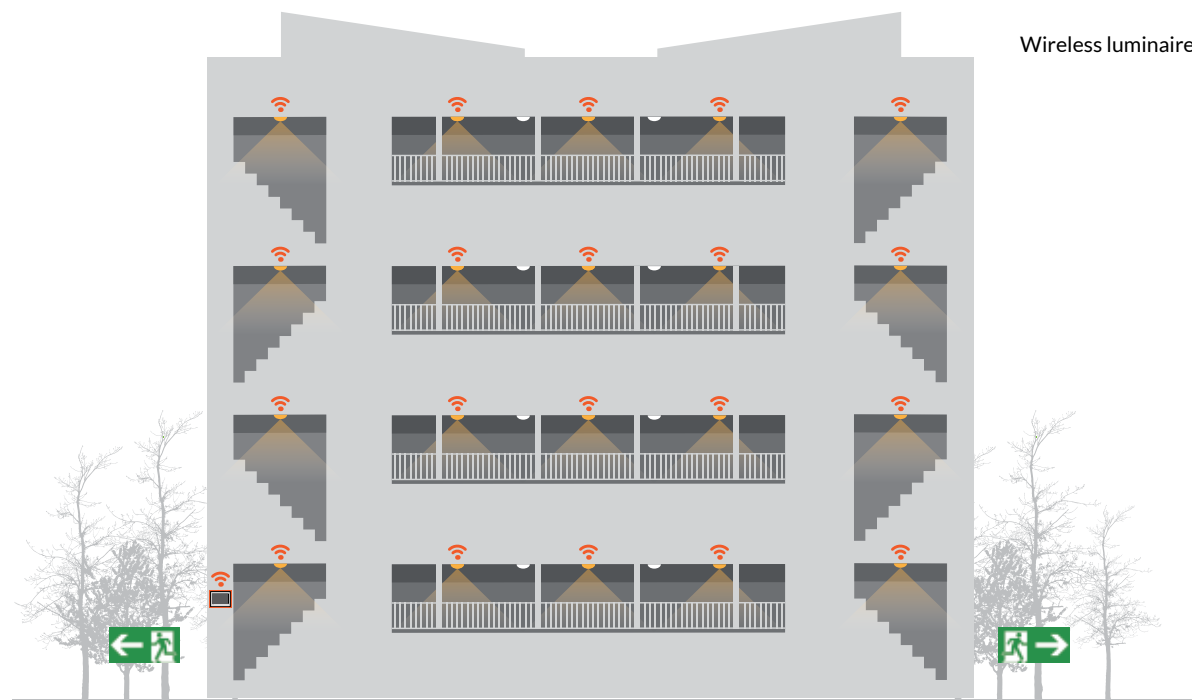
Monitoring of DALI emergency luminaires only.

DESIGNMESH⁺: WIRELESS DALI-2 LIGHTING CONTROL SYSTEM

The Latest Technology

DesignMesh⁺ is a wireless lighting control system with full monitoring function.

DesignMesh⁺ is ideal for both new and retrofit applications, where traditional DALI hard wiring may not always be practicable or cost effective. The system is easy to install as most of the system devices are internal to the luminaires, with no additional cable required.

How DesignMesh⁺ Works

System devices communicate with others in close proximity, effectively making up the DesignMesh⁺ network.

The network "gateway" can be configured into a building network or connection by 4G Router with SIM. The gateway transmits information to and from remote servers to control lighting and provide energy data, device faults and emergency test reports.

The dashboard can provide you with a floor plan of the building showing all system components and real time reporting of all devices.

DesignMesh⁺ Benefits

✓ Secure, scalable and flexible wireless DALI-2 lighting control.
✓ Manage multiple sites easily and quickly from any location.
✓ Reduces the number of site visits required, saving you time and money.
✓ Aids problem solving as any issues are identified immediately.
✓ DesignMesh⁺ can integrate to other building systems utilising an API interface.
✓ Allows you to manage your energy consumption, lowering your carbon footprint and reducing costs.
✓ Mobile app for easy maintenance.

Wireless luminaires.
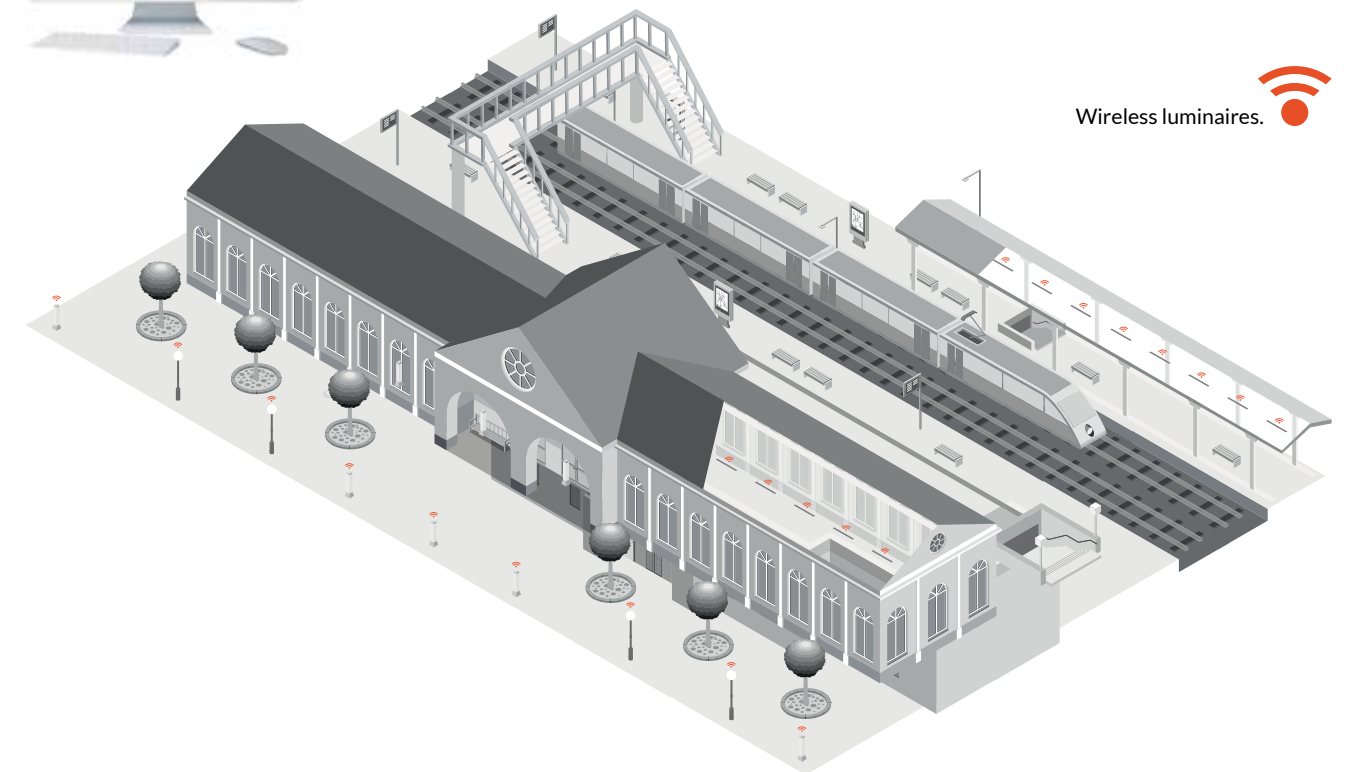
Full monitoring of all luminaires and DALI-2 devices (drivers, sensors and invertors).

SUSTAINABLE LIGHTING &
COMPATIBLE LIGHTING CONTROL

11

EASILY UPGRADE TO LED WITH A RETROFIT LED GEAR TRAY

SUSTAINABLE LIGHTING

In addition to the energy saving benefits of lighting control systems, incorporating new technology sustainably is vital to a luminaire's circularity.

60 years ago we pioneered light fittings which incorporate removable metal trays containing all the internal lighting componentry. All our products incorporate this sustainable design feature.

Benefits Of Retrofit LED Gear Trays

- Sustainable way to upgrade.
- Reduces energy consumption.
- Lowers maintenance costs.
- Minimises disruption.
- Improves safety and output.
- Future proofs lighting.

This long-term commitment to circular product design has enabled us to produce long lasting, repairable and upgradable luminaires with 30 year + life spans.

For More Information

COMPATIBLE LIGHTING CONTROL

Our lighting control systems are compatible with each other as follows:

DesignPath+	DesignMesh+
Cloud based DALI-2 open protocol wired lighting control system with full monitoring capability.	Wireless cloud based DALI-2 lighting control system with full monitoring function.
◀ COMPATIBLE SYSTEMS ▶	
DesignPath	**DesignMesh**
Wired DALI testing system for monitoring emergency luminaires.	Wireless DALI emergency monitoring system with remote access capability.
◀ COMPATIBLE SYSTEMS ▶	

To arrange a lighting controls site survey call 020 8254 2022 or e-mail technicalsales@designplan.co.uk

DESIGNED TO LAST

Lighting controls create energy-efficient and dynamic spaces. We have enhanced our vandal resistant luminaires with the latest technology to help create safe, welcoming environments.