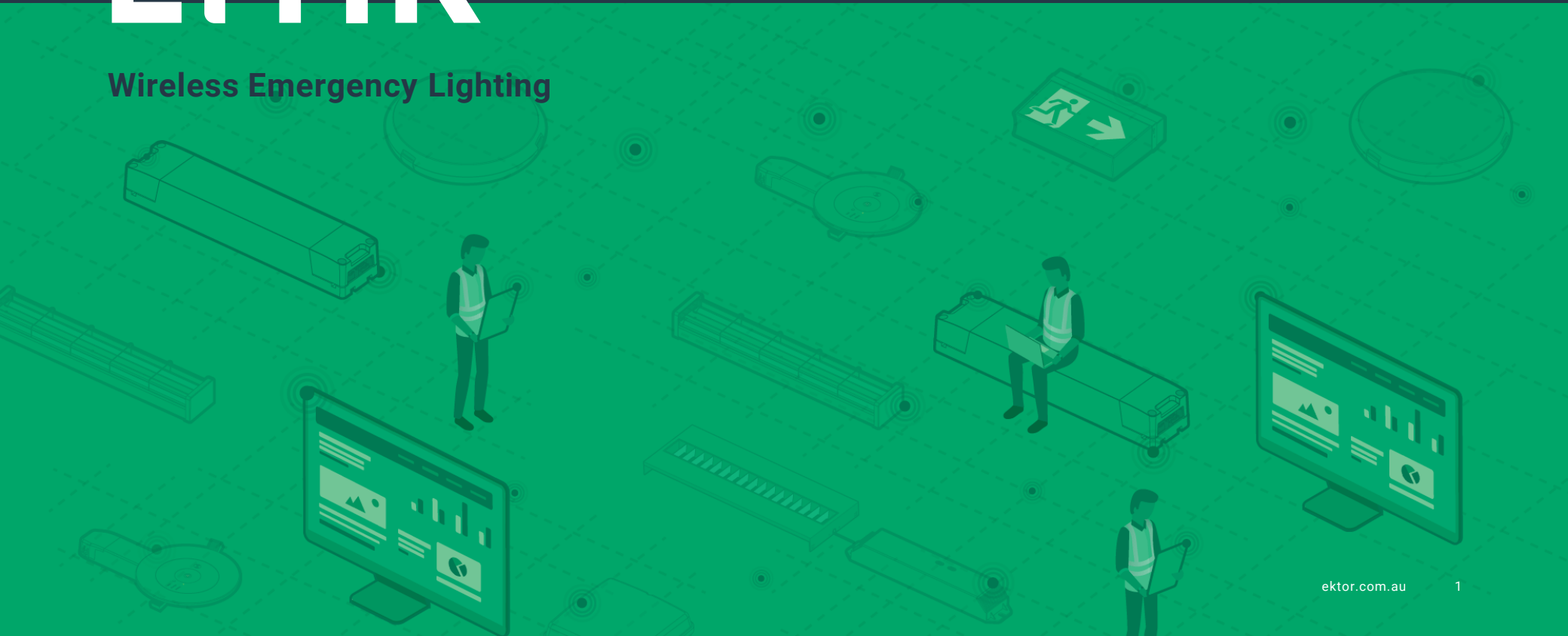




LYNK

Wireless Emergency Lighting

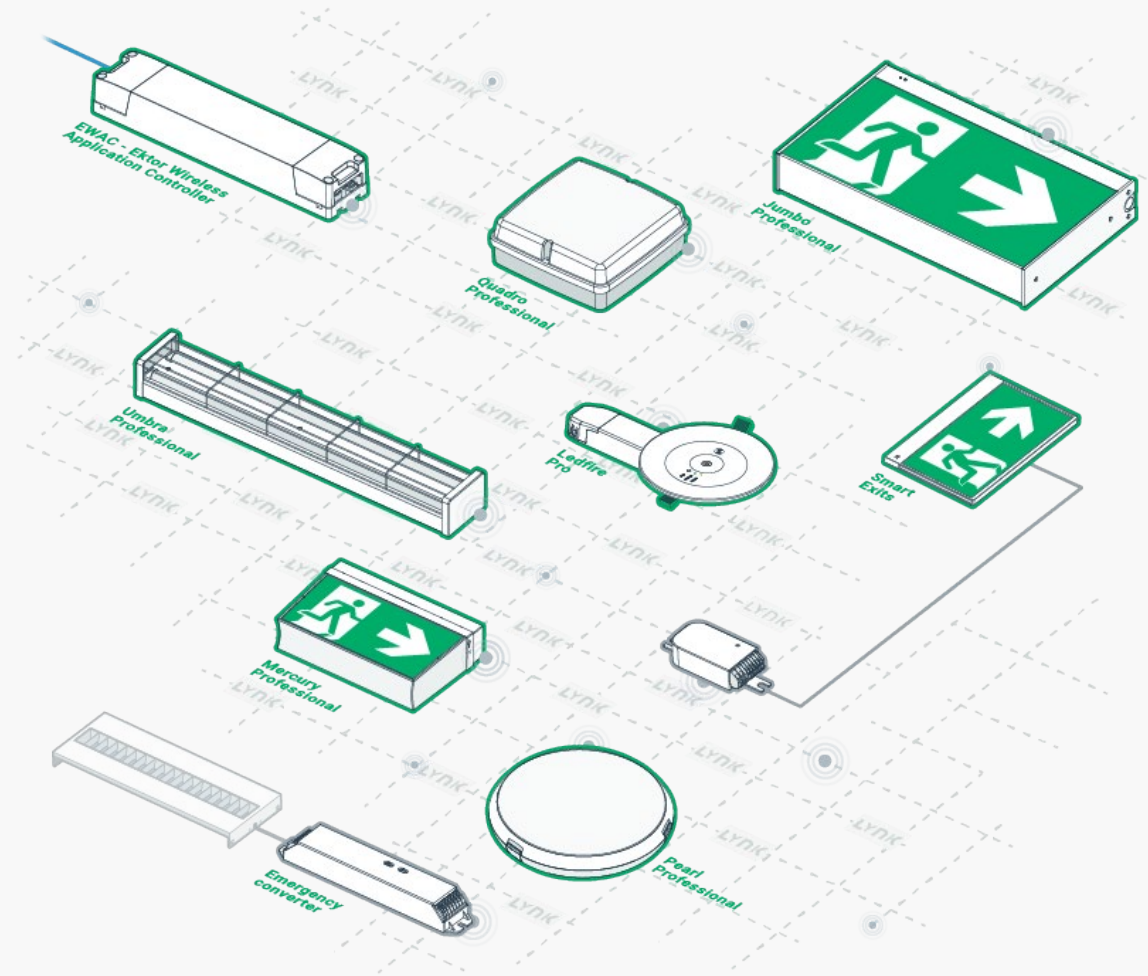


What is Lynk?

Self-meshing, wireless test and monitoring solution

Built on industry leading and proven **Thread technology***, Lynk delivers standardised **IEC62386-104** control. Simple to install and use, it provides automatic test and monitoring, power measurement and inter-building connectivity through this wireless, open industry platform.

*Thread is an IPv6-based networking protocol designed for low-power Internet of Things devices in an IEEE 802.15.4-2006 wireless mesh network, commonly called a Wireless Personal Area Network (WPAN). Thread is independent of other 802.15 mesh networking protocols such as ZigBee, Z-Wave and Bluetooth LE.



IEC62386-104

IEC62386-104 is the only IEC standard which supports lighting control and emergency testing via wireless carrier.

It allows the transport of IEC62386-202, which is the only IEC standard that defines the operation and control of self-contained monitored emergency lighting.

Standards are **peer-reviewed** and are scrutinised by leading professionals around the world.

IEC62386-104 allows for **compatibility** between compliant manufacturers.



Why Lynk?

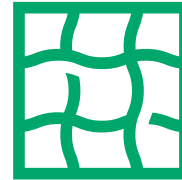
- Creates a **dynamic and optimised connection** between fittings, reducing the number of access points required
- **Cost-effective, versatile and reliable**
- **Easy to deploy and retrofit**, requiring mains power only to the emergency devices
- Built on open industry standards with the ability to **expand or interface** with other systems





Wireless

- Easy to deploy and retrofit
- Only requires the mains power to the emergency device



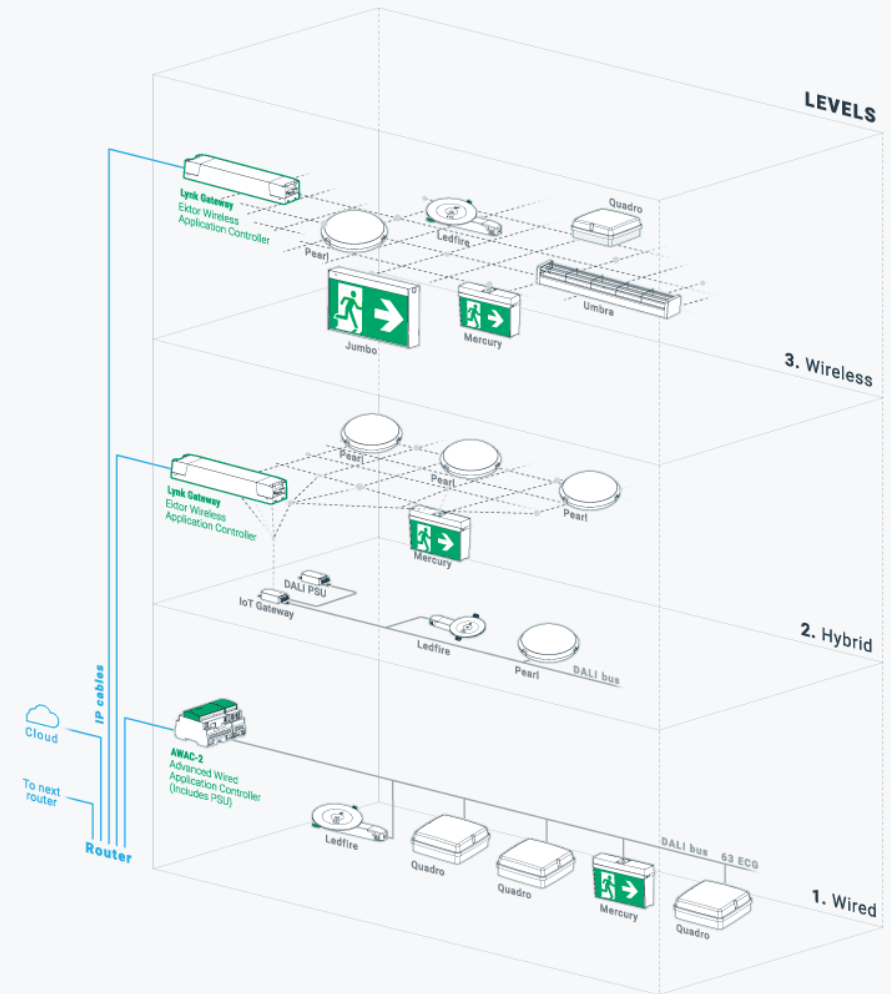
Meshing

- Creates a dynamic and optimised connection between fittings
- Creates a connection through adjacent fittings to extend the wireless range
- Reduces the number of access points required

Hybrid solutions

Not all buildings are the same and customers' requirements can differ

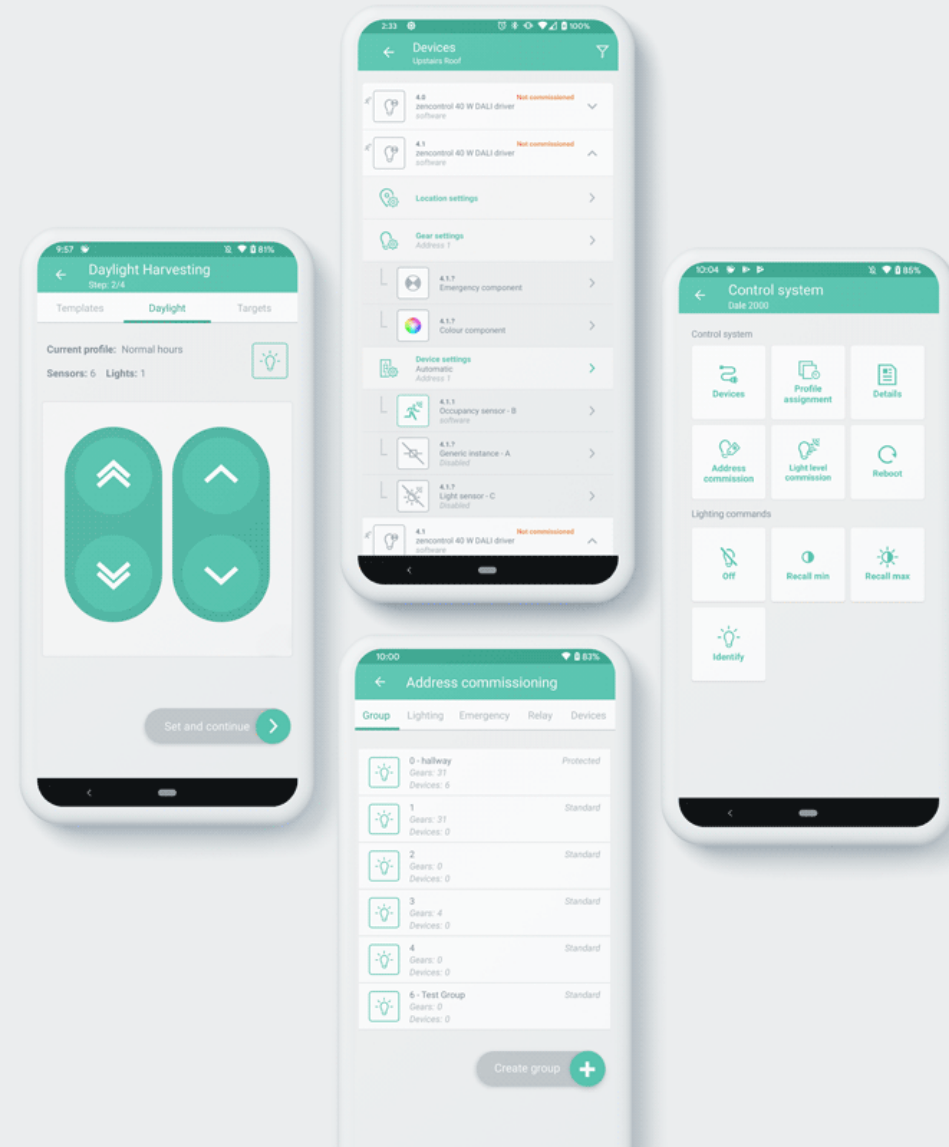
- Use wired and wireless solutions together
- Convert other manufacturer's emergency devices with a wireless bridge
- Solutions for tracks, extrusions and other unique products



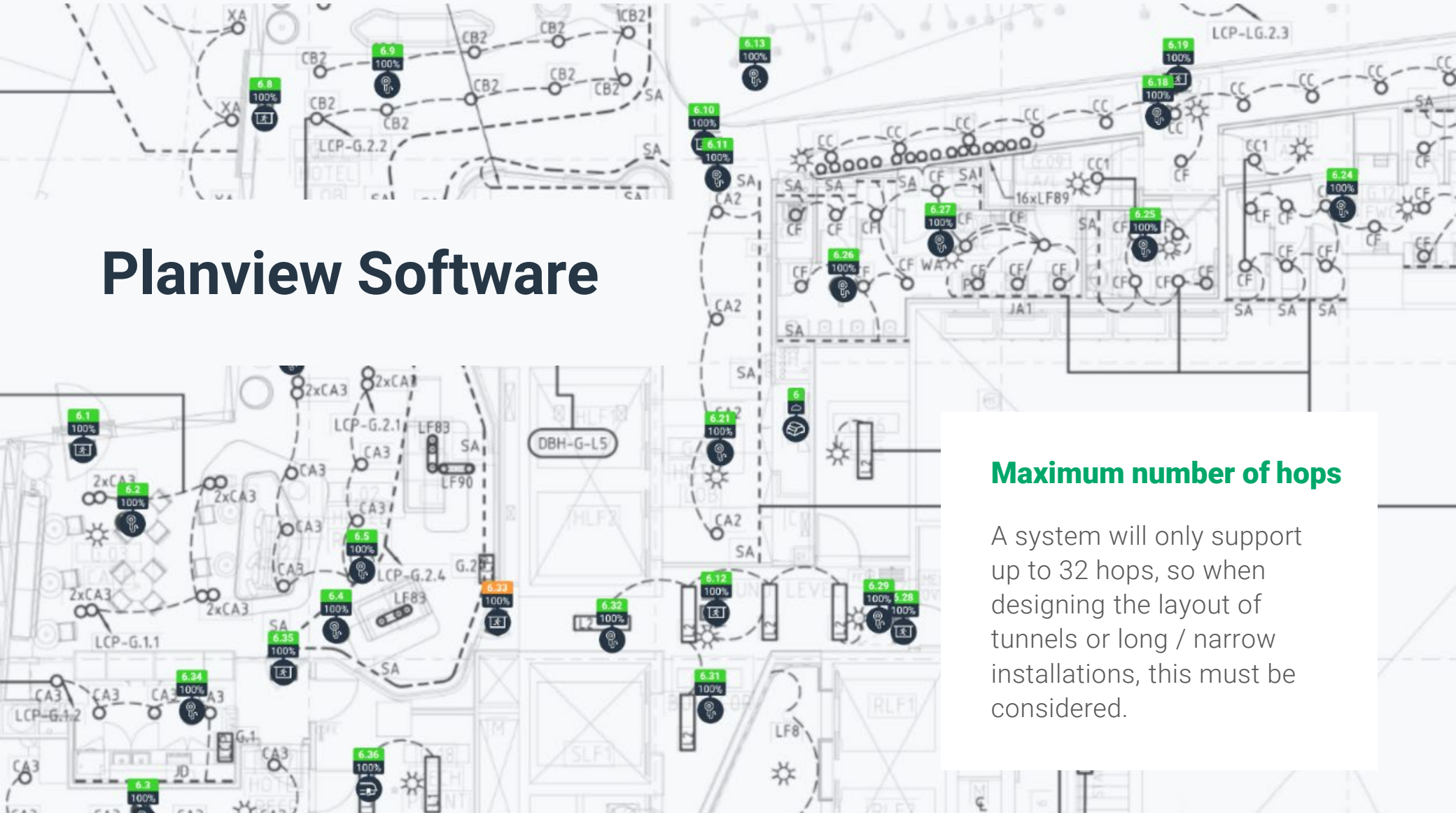
Easy commissioning

Simple and fast commissioning process

- Add devices to the network at any time via an Android app and a Bluetooth connection
- Easily identify and label new devices
- Commission the device without having the rest of the system installed



Planview Software

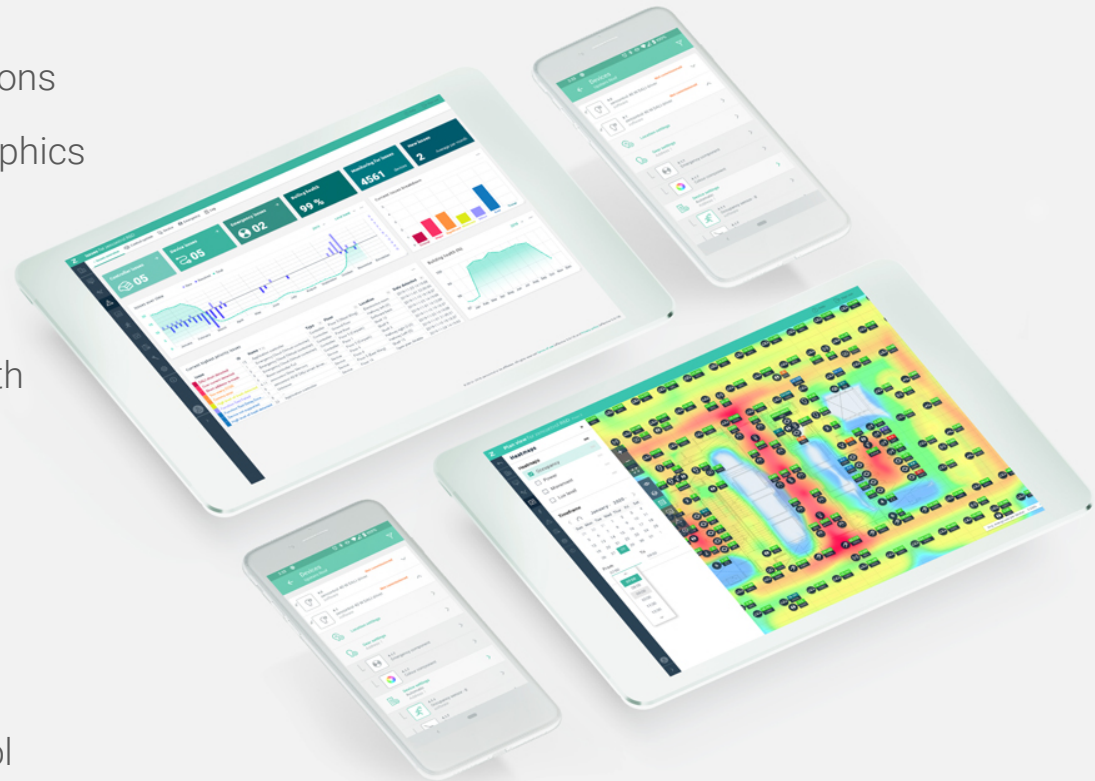


Maximum number of hops

A system will only support up to 32 hops, so when designing the layout of tunnels or long / narrow installations, this must be considered.

System benefits

- Designed for small to extremely large installations
- Provides a Planview interface with modern graphics
- Offsite backup and disaster recovery
- Support for multiple users
- Split a building into multiple tenancies each with their own control, testing schedule and reports
- Building manager can view entire building and tenancies
- Life tracking of Maintenance and reports
- Building health and issues dashboards
- Can be used with entire building lighting control



Components

Emergency Field controller

For every 64 emergency lights, a FC is required

A FC is mounted in a ceiling cavity and has an ethernet network connection which is wired to a switch or router

A FC requires mains power

Smaller manageable networks mitigate risk, critical failure and malicious attacks.



Components



Emergency lighting

Ektor Lynk wireless products or other manufactures compatible parts can be used

Same wiring as a SPU Emergency

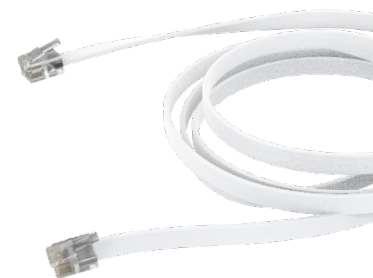
Connectivity

Switch or router which interconnects all FCs (Standard 10/100 ethernet network – Cat5E or similar)

Possible to share with other infrastructure

Internet connectivity for commissioning and best results

Typically an internet router which plugs into the switch connecting the FCs to the internet





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