

MESH7

The new wireless
lighting control
system from flex7



An introduction for
Electricians and
M&E Consultants

#MESH7



New wireless lighting control from flex7

The latest addition to our range of plug together lighting connection & control products. It blends simple plugin connection and wireless networking to create a system that is incredibly easy to install.

- Simple to install
- Easy to retrofit
- Modular
- Infinitely flexible
- Easy maintenance
- Made in Britain





Features and Benefits

- Simple installation – everything plugs in
- Infinitely flexible
- Simple to retrofit
- One type of control module suits every application
- DALI and non-dimming luminaires share the same control module
- Secure end-to-end data encryption
- Developed on known and trusted technologies; flex7 connection; DALI-2 lighting control; OpenThread based software
- Create specific groups of luminaires and control devices regardless of where they are in the building

MESH7®

MESH7 is a wireless lighting control system that uses mesh technology to configure and control luminaires. Connect up to 25 DALI luminaires and/or non-dimmable luminaires to a single plug-in control module, in conjunction with a host of plug-in control devices; sensors; switches; scene recall plates etc.

Whether you want to control a single room or a whole building, MESH7 is effortlessly scalable.

MESH7 wireless lighting control offers a huge range of control possibilities including presence/absence detection, daylight linking, manual dimming & scene recall, set back and secondary presence and light level control, corridor hold, first man in, last man out, emergency lighting test functions, integration with 3rd party devices e.g. HVAC, alarm systems and many more.

Being a mesh based system effectively allows any luminaire to be controlled by any control device anywhere on the system; no wired connection between the two is required.

Secure data transfer

MESH7 employs end-to-end encryption to all messages, so ensuring secure data transfer. Our dedicated 4G wireless modem provides the secure internet access your MESH7 installation will need to receive firmware updates and remote access.

The technology

We chose to develop our wireless system around an OpenThread-based topology so MESH7 would offer more and perform better than comparable systems.

Utilising IPv6 over the older IPv4 protocol means there are around 340 trillion, trillion, trillion unique addresses at MESH7's disposal. This results in enhanced system security as well as more efficient routing of network messages.

DALI-2 Certified

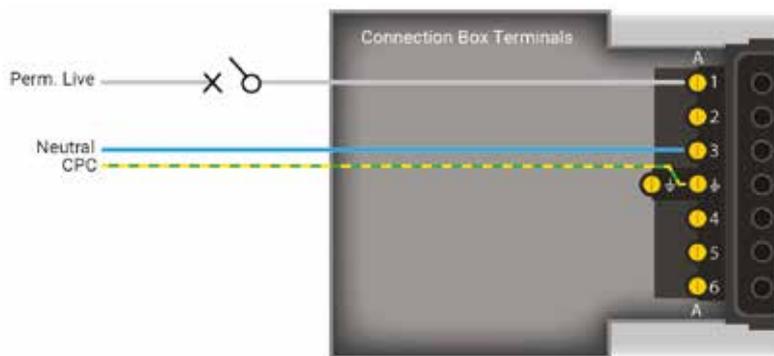
Independently tested by a DALI accredited test house, the MESH7 plug-in control module is DALI-2 compliant and listed on the DALI Alliance product database.



Simple Plug-together Installation

When it comes to installing MESH7 the process really couldn't be simpler. Starting with a standard flex7 Lighting Distribution Box you simply need to connect the Permanent Live, Neutral and Earth. Once that's done the rest of the system just plugs together.

Connect the Permanent Live, Neutral and Earth:



Everything else simply plugs in:

