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W-DALI

It's DALI, just without the cable

W-DALI is a wireless alternative to the DALI cable - the ideal alternative to running DALI cables for retrofit or modernization projects.

With no need for extensive rewiring or construction work, W-DALI gives you an instant wireless lighting network. Compared to a wired project, W-DALI cuts installation times, simplifies planning and allows contractors to take on jobs in buildings where running new cables is just not possible.

And as W-DALI is DALI in-DALI out, programming and commissioning is just the same – no need to learn a new system or change your DALI controller.

W-DALI PRODUCT RANGE

W-DALI NODE

- Receiver for groups of lighting fixtures
- Fitted inside fixture or in junction box

W-DALI DIN RAIL

- Transmitter
- Designed to be mounted in electrical cabinet beside existing DALI controller

SAVE TIME AND MONEY

Make installation projects more profitable with LumenRadio's W-DALI lighting control. Contractors can carry out building retrofits in record time with no need for extensive rewiring or complex construction work.

SIMPLE INSTALLATION

The W-DALI DIN RAIL transmitter clicks straight into the electrical cabinet, right next to the existing DALI controller, and the W-DALI Nodes can connect up to 10 fixtures at once. The network is created at the touch of a button.

FULL DALI SUPPORT

Use your preferred wired DALI controller together with any DALI compatible lighting and/or DALI sensors. W-DALI is fully transparent to any forward and backward DALI frames – and there is no change to commissioning or programming.
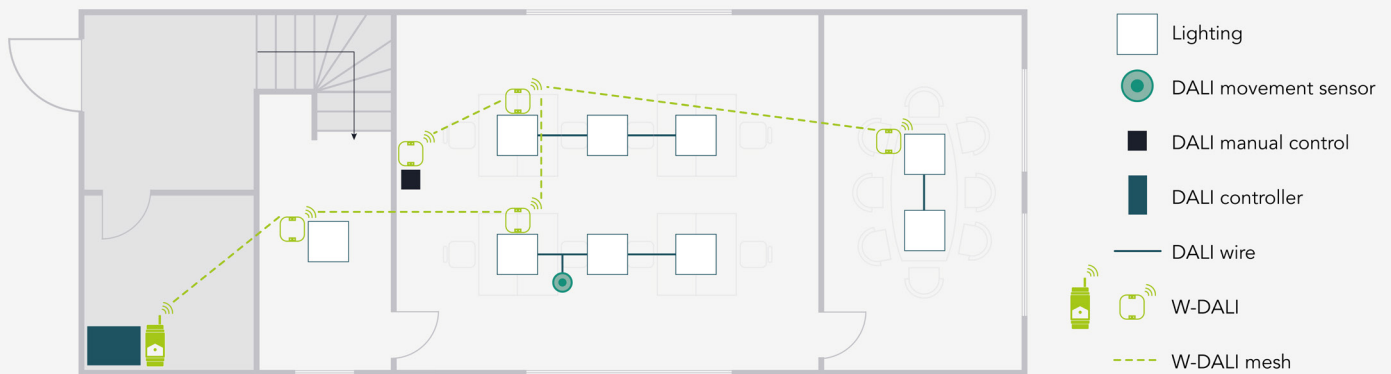
W-DALI

FEATURES

- Out-of-the-box installation – just power up and connect to your W-DALI device and you are up and running.
- Instant wireless setup – with just one push of a button, the W-DALI network is set up within minutes.
- Mesh network – W-DALI is built on LumenRadio's ultra-reliable long-range MiraMesh. Cover an entire building, utilizing the mesh network as your infrastructure.
- Range – up to 500 meters (line of sight) between two meshing W-DALI units.
- Reliability – LumenRadio's patented frequency-friendly Cognitive Coexistence technology provides rock-solid connectivity and immunity to interference.
- Self-optimizing network – the mesh network will always find the best way to send messages through the network between devices.
- Individual or multiple control – W-DALI can be used for individual wireless control or used in a wired daisy chain, with one W-DALI to many lighting fixtures. You can even add a DALI sensor to the same DALI line.

Read more

SYSTEM OVERVIEW

☐	Lighting
◉	DALI movement sensor
■	DALI manual control
▮	DALI controller
—	DALI wire
📱 ☐	W-DALI
- - -	W-DALI mesh

WHY CHOOSE LUMENRADIO?

LESS HASSLE, LESS COST

Get instant wireless control with no construction work, just faster project completion.

ROCK-SOLID PERFORMANCE

Replace cables with wireless communication in challenging environments where nothing but perfection is accepted.

ENERGY EFFICIENCY

Upgrade existing buildings with wireless control to enable energy savings and meet sustainability targets.

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LumenRadio is a Swedish technology company offering reliable wireless product-to-product connections for business-critical IoT applications. Our scalable solutions build on patented wireless technology for lighting control, building automation and industrial communication. We have a zero vision when it comes to cables and every day we deliver – Wireless Without Worries.

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