PHILIPS

dynalite

Lighting

Wireless lighting control
with Philips Dynalite

Maximum control, **minimal cabling**

The retrofit solution for **flexible lighting control**

Commercial building owners are facing one of their greatest challenges; how to reduce day-to-day operating costs while maintaining comfort and productivity. Intelligent lighting systems are an obvious choice. They enhance efficiency and productivity by providing the right lighting during the day. At the same time, they also optimize energy use. So what's holding building owners back?

The cabling challenge

Although intelligent systems offer monitoring and maintenance capabilities that improve the efficiency of building operations, many building managers are reluctant to make the switch in their existing buildings due to the requirement for new cabling.

The problem is twofold:

- Additional cabling requires a longer installation time, which causes more disturbance for building occupants
- Control cabling adds additional costs, resulting in a longer return on investment payback time.

Wireless is **the way forward**

A Philips Dynalite wireless system offers all the benefits of an intelligent control system, without the need for extra control cabling.

Benefits of a Philips Dynalite system:

- Additional energy savings on top of LED savings
- Central monitoring, reporting and control of your lighting and control system
- Advanced integration with 3rd party systems
- Easy to upgrade and expand, ready for the future
- Lighting scenes to support tasks and ambient lighting needs
- Works with any luminaire
- Flexible programming for lighting behaviors

A wide range of applications

Philips Dynalite wireless solutions offer advantages for a wide range of applications, from retail and hospitality environments to healthcare, office and industry sectors.

Reliable cable-free communication

Ethernet to ZigBee gateway

Philips Dynalite wireless products offer all the benefits of a Dynalite control system, without the need for additional control cabling. The product portfolio features an Ethernet to ZigBee gateway (PDZG-E), a wireless communication hub that connects up to 25 ZigBee receivers with an integrated sensor to the Philips Dynalite lighting control system. The gateway translates communications between Ethernet and ZigBee to provide reliable wireless lighting control.

ZigBee receiver and sensor

The Philips SNS401CMP sensor receives ZigBee communications from the Philips Dynalite ZigBee Gateway Ethernet. These messages are then forwarded to other nodes in the wireless mesh network.

The compact device can be used to:

- Control a DALI broadcast channel via a Philips Xitanium SR bridge
- Control a 1-10V channel via a Philips Advance SR bridge

The device also features an occupancy and daylight sensor to enable even further energy savings.

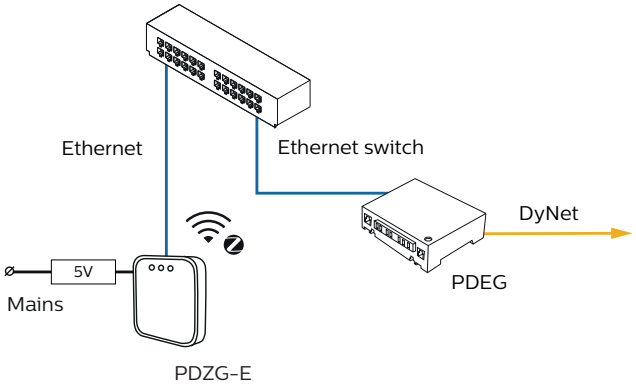
Power and protection

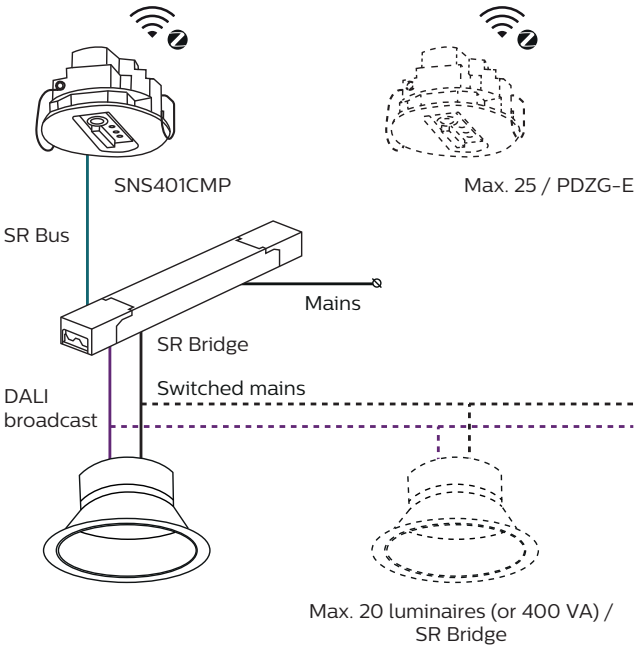
Power for the sensor is provided by the Philips SR bridge, which can control a group of DALI or 1-10V fixtures. The bridge delivers further energy savings with a relay that switches off the mains power to the luminaires when the DALI or 1-10V output is set to 0%.

Step into wireless efficiency

System **architecture**

The Philips Dynalite ZigBee Gateway can be used to control a mesh network of up to 25 ZigBee receivers.





To find out more about how Philips Dynalite can maximize control and minimize cabling, contact your Signify representative or go to www.philips.com/dynalite

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