# PDZG-E

## ZigBee Gateway

## Reliable wireless lighting control

The Philips Dynalite ZigBee Gateway Ethernet is a wireless communication hub that connects up to 25 SNS401CMP wireless group controllers to the Philips Dynalite lighting control system. The PDZG-E translates between Ethernet and ZigBee.
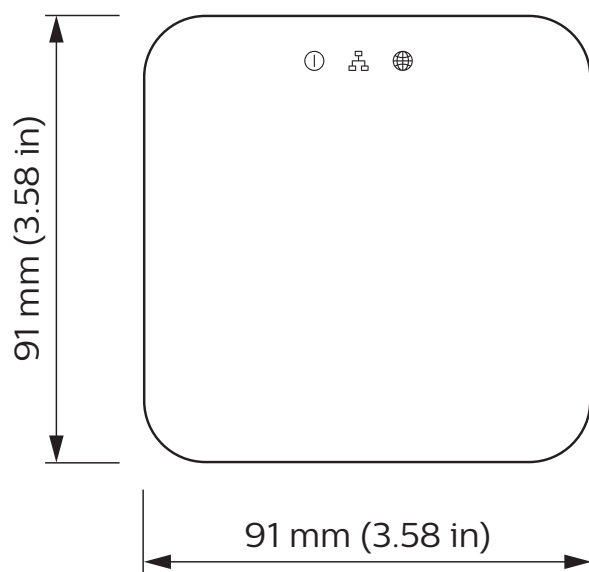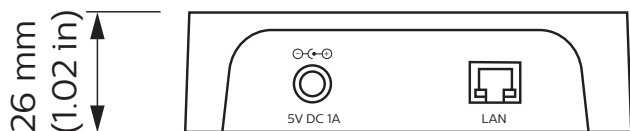
# PDZG–E
## Reliable wireless lighting control

- **ZigBee PRO wireless communication –** Seamlessly integrates wireless lighting control into a Philips Dynalite system without expensive control wiring.

- **Wireless mesh network –** Ensures stable and robust lighting control in busy environments.

- **Fully compatible with the Dynalite portfolio –** Connect to a Dynalite system through the Ethernet connection. Configure using System Builder.

- **Wall mount bracket included –** Easy to mount on any wall type.

## Dimensions



26 mm (1.02 in)

5V DC 1A        LAN

91 mm (3.58 in)

91 mm (3.58 in)

# Specifications

Due to continuous improvements and innovations, specifications may change without notice.

**PDZG-E**
ZigBee Gateway

## Electrical

| | |
|---|---|
| Power Supply Input | 100-240 VAC, 50/60 Hz |
| Power Supply Output | 5 VDC 1 A (Class 2/SELV) |
| Maximum Power Consumption | 2.5 W |
| IEC Overvoltage Category | III |

## Wireless

| | |
|---|---|
| Compatible Wireless Nodes | SNS401(CMP) |
| Maximum Mesh Network Gap | 10 m |
| Maximum Nodes Per PDZG-E | 25 |

## Control

| | |
|---|---|
| Communication Ports | 1 x Ethernet (10/100 baseT) 1 x ZigBee |
| Supported Protocols | TCP/IP (IPv6) UDP |
| User Input | 1 x Service button |
| Indicators | 1 x Power LED 1 x Network LED |

## Physical

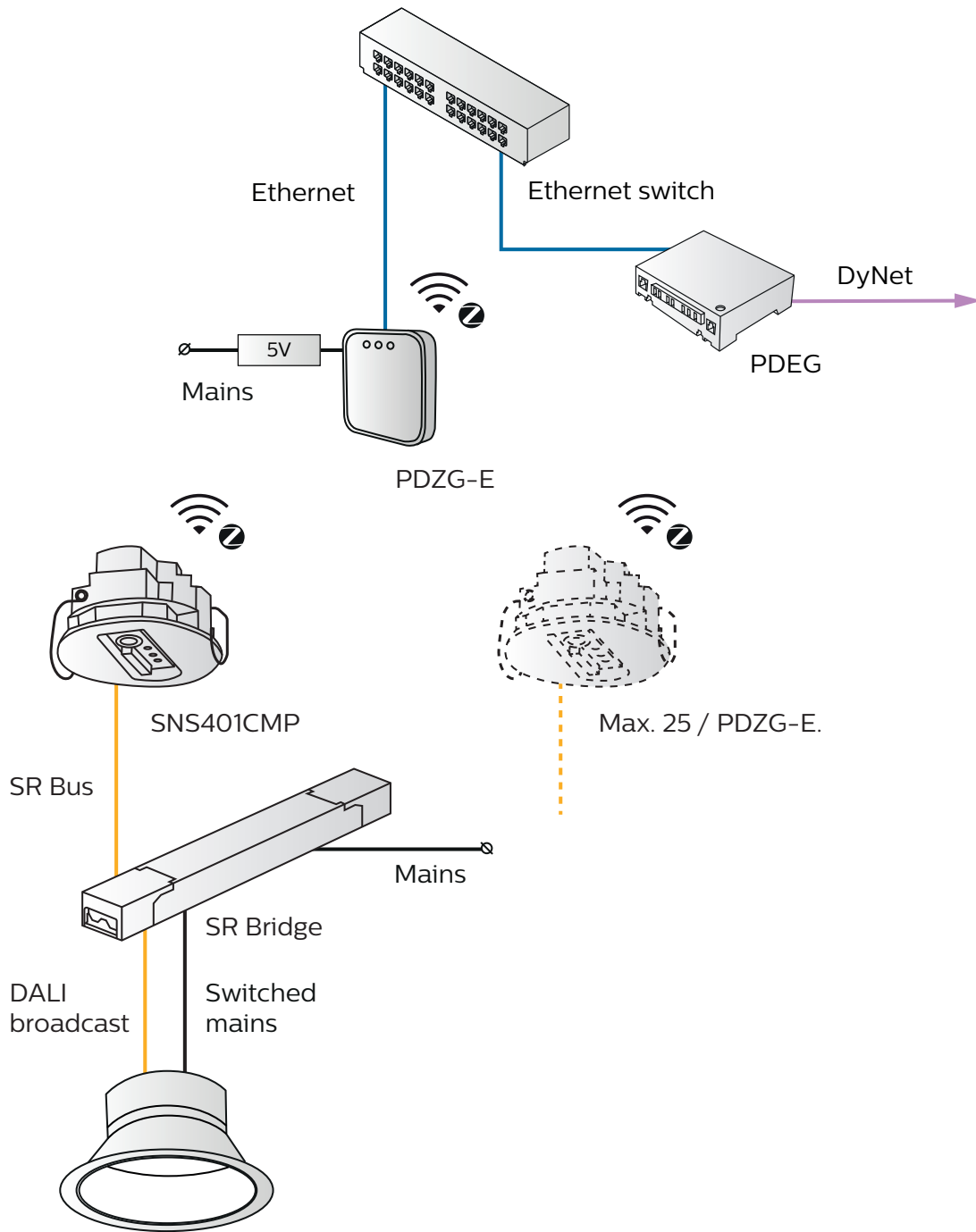| | |
|---|---|
| Dimensions (H x W x D) | 91 x 91 x 26 mm (3.58 x 3.58 x 1.02 in) |
| Mounting Bracket (H x W x D) | 97 x 97 x 34 mm (3.82 x 3.82 x 1.34 in) |
| Net Weight (including bracket) | 95 g (0.21 lb) |
| Construction | ABS |
| Color | Signal white (RAL9003) |
| Communication Ports | 1 x RJ45 |
| Supply Terminal | 1 × DC plug 5.5 mm (0.22 in) |
| Included Plug Types | A, B, C, G |

## Environment

| | |
|---|---|
| Operating Temperature | 0° to 40°C ambient (32° to 104°F) |
| Storage/Transport Temperature | -40° to 80°C ambient (-40° to 176°F) |
| Relative Humidity | 0 to 90% non-condensing (operating) 10 to 90% non-condensing (storage) |
| IEC Pollution Degree | II |

## Compliance

| | |
|---|---|
| Certification | CE, UL/cUL, FCC, ICES, SRRC, RoHS |

# Network Overview



Ethernet

Ethernet switch

DyNet

5V

PDEG

Mains

PDZG-E

SNS401CMP

Max. 25 / PDZG-E.

SR Bus

Mains

SR Bridge

DALI
broadcast

Switched
mains

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# Ordering Code

| Product | Philips 12NC |
|---|---|
| PDZG-E | 913703245409 |