

**PHILIPS**

Wireless switch

UID8470



Specification Sheet

# UID8470

## Zigbee Green Power switch

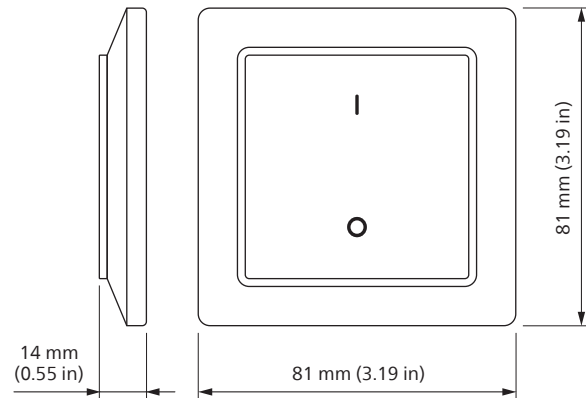
- No wiring and power connections required so easy to install.
- Low mechanical force required to operate the device (typically less than 8 Newton).
- Indoor distance that can be covered is typically 10 m (33 ft) for line-of-sight installations. When there are walls this is reduced depending on the type and thickness of the walls.

# UID8470

## Features and benefits

- Provides switch and dim functionality.
- Wireless communication based on the ZigBee Pro standard (IEEE 802.15.4, WPAN). There is no need to connect to any electrical power supply as the device is battery powered.
- When a button is pressed, or released, a message is sent including a unique 32-bit identifier which prevents interferences with other devices.
- Briefly pressing the upper or lower part of the device either switches lights ON or OFF.
- A press and hold action engages the dim-up or dim-down function.
- The device is Interact ready and can be easily linked to a wireless standalone or connected lighting system.
- The devices are easy to install and use. Additional information can be found in the appropriate installation instructions.

## Dimensional drawing



# Specifications

## Communication

|   |  |
|---|--|
| Wireless  | Zigbee PRO Green Power<br>IEEE 802.15.4 WPAN |
| Data rate                                       | 250 kbps                                     |
| Carrier frequency                               | 2.4 GHz                                      |
| <b>Transmission distances (typical values)*</b> |  |
| Indoor (plasterboard)                           | 10 m (33 ft); max. 3 walls                   |
| Indoor reinforced concrete                      | 7 m (23 ft); max 1 wall/ceiling              |

## Physical

|                        |  |
|------------------------|--|
| Dimensions (H x W x D) | 81 x 81 x 14 mm<br>(3.19 x 3.19 x 0.55 in) |
| Weight                 | 0.058 kg (2.05 oz)                         |
| Housing                | Polycarbonate                              |
| Color                  | White (similar to RAL9000)                 |
| Lifetime               | > 50 000 actuations                        |

## Environment

|   |                                |
|---|--------------------------------|
| Temperature (operating)                   | -25 to +65 °C (-13 to +149 °F) |
| Relative humidity (operating)             | 0% to 95% (non-condensing)     |
| Temperature (storage and transport)       | -25 to +65 °C (-13 to +149 °F) |
| Relative humidity (storage and transport) | 0% to 95% (non-condensing)     |

\* Distance is largely influenced by the wall/ceiling material and the angle that the transmitted signal is intersecting with. Note: fire-safety walls, elevator shafts and so on are considered as shielding.

## Compliances and approvals

|  |   |
|--|---|
| Protection rating                          | IP20  |
| Electromagnetic compatibility (EMC)        | EN 61000-6-2:2005 EN 61000-6-4:2007+A1:2011 |
| Quality standard                           | ISO9001                                     |
| Environmental standard                     | ISO14001, CE2522                            |
| Restriction of Hazardous Substances (RoHS) | 2011/65/EU<br>Annex 2015/863/EU             |

## Wireless

|   |  |
|---|--|
| Radio Equipment Directive                                 | RED 2014/53/EU                         |
| Electronic compatibility and radio spectrum matters (ERM) | EN 301489-1:V2.2.0 EN 301489-17:V3.2.0 |
| Wideband transmission systems                             | ETSI EN 300 328: V1.8.1                |



## Packing data

| Type        | Dimensions                                  | Qty | Material  | Weight               |                      |
|-------------|---|-----|-----------|----------------------|----------------------|
|             |   |     |           | net                  | gross                |
| Single pack | 205 x 95 x 95 mm<br>(80.7 x 37.4 x 37.4 in) | 10  | Cardboard | 0.58 kg<br>(1.28 lb) | 0.74 kg<br>(1.63 lb) |

## Ordering data

| Type                         | MOQ | Ordering number | EAN1           | EAN2           | EOC       |
|------------------------------|-----|-----------------|----------------|----------------|-----------|
| UID8470/10 ZGP Switch Dim 2B | 10  | 9137 010 55703  | 8719514 273771 | 8719514 273795 | 273771 00 |

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