

PHILIPS UID8470 Zigbee Green Power Switch



# PHILIPS UID8470 Zigbee Green Power Switch Owner's Manual

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**PHILIPS UID8470 Zigbee Green Power Switch**



## Product Information

### Specifications

- Communication: Wireless Zigbee PRO Green Power IEEE 802.15.4 WPAN
- Data rate: 250 kbps
- Carrier frequency: 2.4 GHz
- Transmission distances:
  - Indoor (plasterboard): 10 m (33 ft); max. 3 walls
  - Indoor reinforced concrete: 7 m (23 ft); max 1 wall/ceiling
- Dimensions (H x W x D): 81 x 81 x 14 mm (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 actuation
- Temperature (operating): – Relative humidity (operating): 0% to 95% (non-condensing)
- Temperature (storage and transport) – Relative humidity (storage and transport): 0% to 95% (non-condensing)
- Protection rating: IP20

### Features and Benefits

The UID8470 Zigbee Green Power switch offers reliable wireless communication with a data rate of 250 kbps and a carrier frequency of 2.4 GHz. Its compact dimensions make it suitable for various indoor installations, with transmission distances of up to 10m in plasterboard and 7m in reinforced concrete environments.

## Product Usage Instructions

### Installation

1. Choose a suitable location for the switch based on the desired transmission distance.
2. Ensure the area is clear of obstructions that may interfere with the wireless signal.
3. Mount the switch securely using appropriate hardware.

## Operation

1. To turn the switch on or off, press the designated button.
2. Ensure the switch is within the specified transmission range for optimal performance.

## FAQ

- **Q: What is the maximum transmission distance of the UID8470 Zigbee Green Power switch?**

A: The maximum transmission distance varies depending on the wall/ceiling material and the angle of the transmitted signal. In typical indoor environments, it can reach up to 10m in plasterboard and 7m in reinforced concrete.

- **Q: What is the color of the housing of the UID8470 switch?**

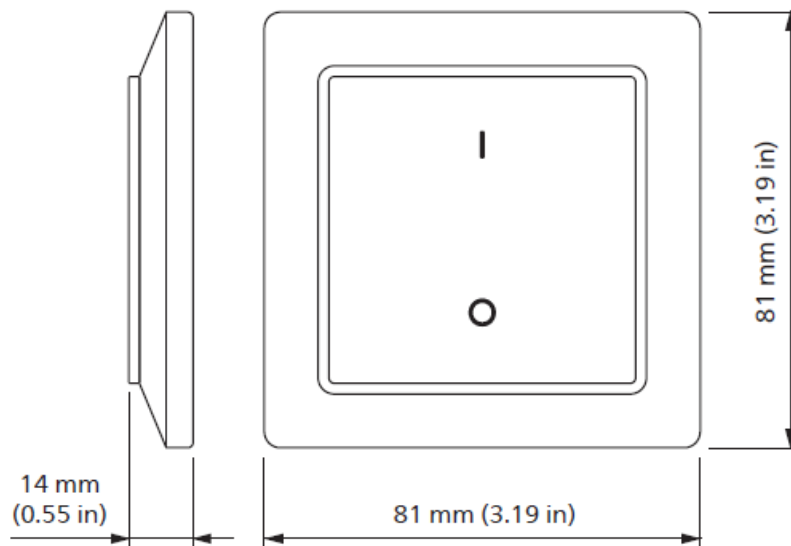
A: The housing of the UID8470 switch is white, similar to RAL9000.

- 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.

## 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 IEEE 802.15.4 WPAN
- Data rate 250 kbps
- Carrier frequency 2.4 GHz

### Transmission distances (typical values)\*

- 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 (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)

### 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 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

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.

## Packing data

Type	Dimensions	Qty	Material	Weight	
				net	gross
Single pack	205 x 95 x 95 mm (8 0.7 x 37.4 x 37.4 in)	10	Cardboard	0.58 kg (1.28 lb)	0.74 kg (1.63 lb)



## Ordering data

Type	MOQ	Ordering number	EAN1	EAN2	EOC
UID8470/10 ZGP Switch Dim 2B	10	9137 010 55703	8719514 2737 71	8719514 2737 95	273771 00

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**Website:** [www.philips.com/lighting](http://www.philips.com/lighting)

## Documents / Resources

<div><div></div><div><p>Smart Home Control <b>UID8470</b> Zigbee Green Power switch</p><ul style="list-style-type: none"><li>• The switch is designed to be used in a dimmer switch application.</li><li>• The switch is designed to be used in a dimmer switch application.</li><li>• The switch is designed to be used in a dimmer switch application.</li></ul></div></div>	<p><a href="#">PHILIPS UID8470 Zigbee Green Power Switch</a> [pdf] Owner's Manual</p> <p>UID8470 Zigbee Green Power Switch, UID8470, Zigbee Green Power Switch, Green Power Switch, Power Switch, Switch</p>
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References

-  [Sustainable LED lighting solutions | Philips lighting](#)
- [User Manual](#)

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