



**UID8480 Zigbee  
Green Power  
Switch**



# PHILIPS UID8480 Zigbee Green Power Switch User Guide

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**PHILIPS UID8480 Zigbee Green Power Switch**



## Specifications

- Communication: Zigbee PRO Green Power IEEE 802.15.4 WPAN
- Wireless Data rate: 250 kbps
- Protection rating: IP20
- Carrier frequency: 2.4 GHz
- 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)
- Color: White (similar to RAL9000)
- Lifetime: > 50,000 actuation
- Temperature (operating): Suitable for 0% to 95% relative humidity (non-condensing)
- Temperature (storage and transport): Suitable for 0% to 95% relative humidity (non-condensing)

## Product Usage Instructions

### Features and Benefits

The UID8480 Zigbee Green Power switch allows for easy control of lighting scenes and dimming levels through short and long presses.

### Applications

The switch can be configured via the app for various functionalities:

- Scene 1 recall: Short press for scene, long press to tune up toward CCT 6500 K.
- Scene 2 recall: Short press for scene, long press to tune down towards CCT 2700 K.
- ON state: Long press for dim up.
- OFF state: Long press for dim down.

## FAQ

• **Q: Can the switch be used outdoors?**

- A: No, the switch has an IP20 protection rating and is suitable for indoor use only.

• **Q: What is the wireless range of the switch?**

- A: The transmission distance can vary but typically ranges up to 10m in indoor plasterboard settings and up to 7m in indoor reinforced concrete settings.

## Product Information

- No wiring and power connections are required so easy to install.
- Low mechanical force is 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 will be reduced depending on the type and thickness of the walls.
- Supports tunable white CCT control.

## Features and Benefits

- Provides switch and scene selection functionality.
- Wireless communication based on the ZigBee Pro standard (IEEE 802.15.4, WPAN). This switch is a self-powered switch that operates using the kinetic energy generated through its button press action and electrical power supply is not required.
- When a button is pressed, or released, a message is sent including a unique 32-bit identifier that prevents interference with other devices.
- Briefly pressing the rocker either switches lights ON or OFF or selects a predefined scene.
- 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.

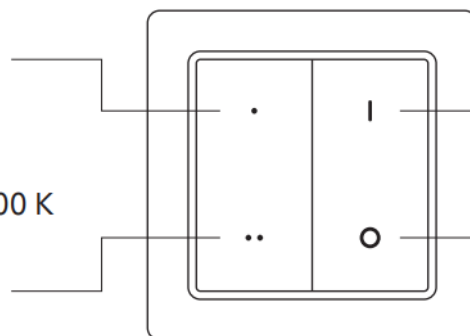
## Applications

### Scene 1 recall

Configurable via app  
Short press for scene  
Long press tune up,  
move towards CCT 6500 K

### Scene 2 recall

Configurable via app  
Short press for scene  
Long press tune down,  
move towards CCT 2700 K



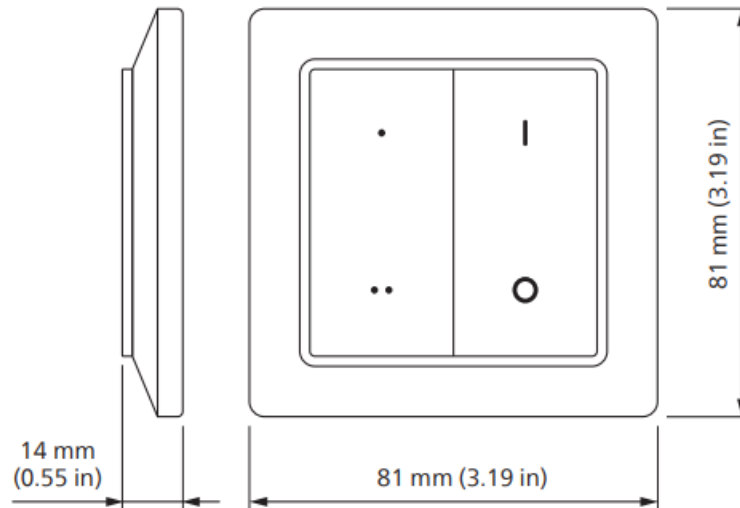
### ON state

Dim up state long press

### OFF state

Dim down state long press

## 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 actuation

### 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

- EU 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<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       |
|--|-----|-----------------|----------------|----------------|-----------|
| UID8480/10<br>ZGP Switch Scene recall 4B | 10  | 9137 010 55803  | 8719514 273801 | 8719514 273818 | 273801 00 |

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

Documents / Resources

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References

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