lumos
CONTROLS
A **WISILICA** BRAND

PSC-DM-WS-400-BLE-WS

4-Button Wireless Bluetooth Mesh Wall Controller

c(UL)us
LISTED
E341446

PRODUCT OVERVIEW

PSC-DM-WS-400-BLE-WS wirelessly communicates with Bluetooth mesh controllers to provide scene and light level control to lighting in the space. It can be installed in a standard 1-gang wall box. The field-customizable buttons can be programmed for ON/OFF/RAISE/ LOWER preset scenes or white tuning.

PSC-DM-WS-400-BLE-WS is a part of Lumos Controls ecosystem supported by controllers, sensors, switches, modules, drivers, gateways, and analytical dashboards. The ecosystem is listed by the **Design Lights Consortium (DLC)**, qualifying it for energy conservation incentive programs and rebates by utility companies

FEATURES

- BLE 5.2 based non-flooding intelligent communication
- Manual ON/OFF (wireless)
- Dim UP/DOWN (wireless)
- Conforms with DLC NLC5 Cybersecurity Standards
- LED status indicator light
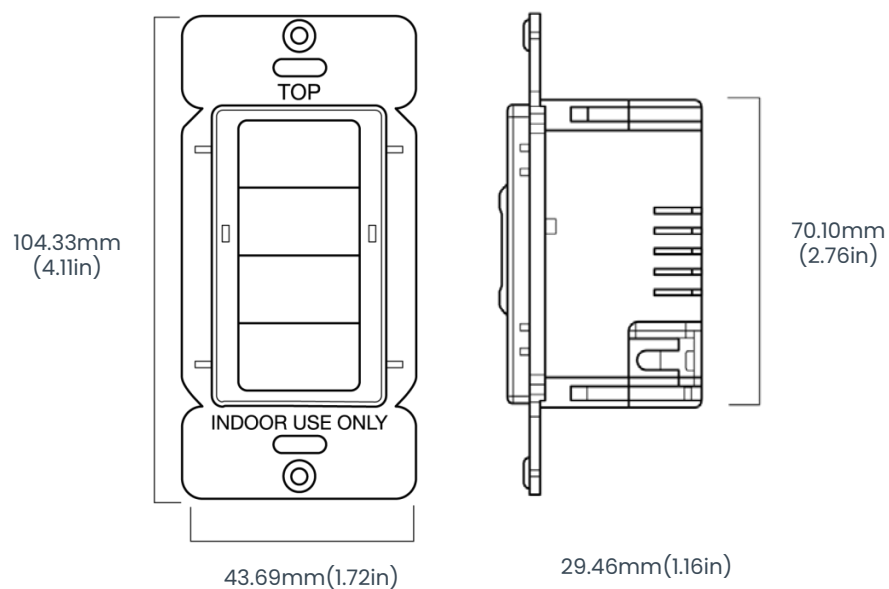- 4-Button functions may be customized
- Mounts in any standard wall box

SPECIFICATIONS

Electrical

Specifications	Value	Remarks
Input voltage	120-277 VAC	@ 50/60Hz
Power consumption	Max 1.5W	

Bluetooth

Specifications	Value	Remarks
Frequency range	2402-2480MHz	
Max output power	8dBm	Conductive
Receive sensitivity	-95dBm	
Connection distance (device to device)	45m(147.6ft)	Vary depending on the installation environment

Environmental

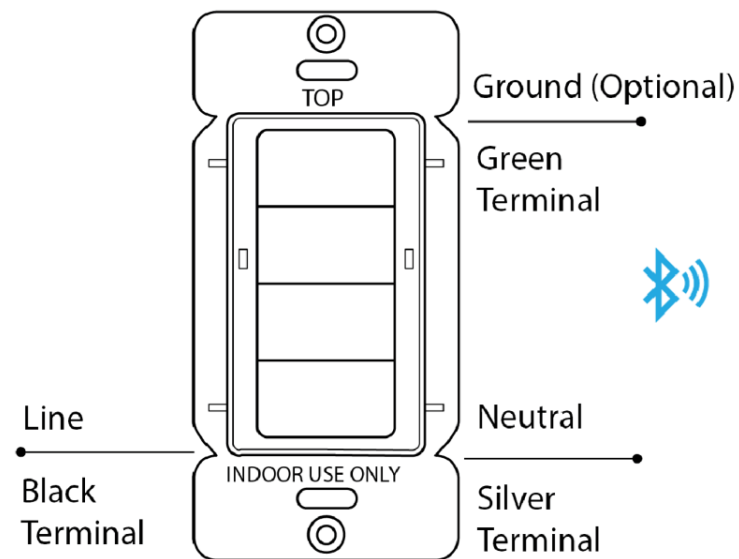| Specifications	Value	Remarks
Operating temperature	0° to 55°C (32 to 131°F)	
Storage temperature	-10° to 60°C (14 to 140°F)	
Relative humidity	90-95%	non-condensing at 30°C

Mechanical

Specifications	Value	Remarks
Dimension	104.33 X 43.69 X 29.46mm (4.11 X 1.72 X 1.16in)	Length x Breadth x Height

PRODUCT DIMENSIONS

TOP

INDOOR USE ONLY

104.33mm
(4.11in)

70.10mm
(2.76in)

43.69mm(1.72in)

29.46mm(1.16in)

WIRING

TOP

INDOOR USE ONLY

Ground (Optional)

Green
Terminal

Line

Black
Terminal

Neutral

Silver
Terminal

SWITCH INTEGRATION

Ceiling Sensor

Wall Controllers

Wireless Controller

0-10v Driver

1 **Bluetooth Luminaire**

Wireless Controller

0-10v Driver

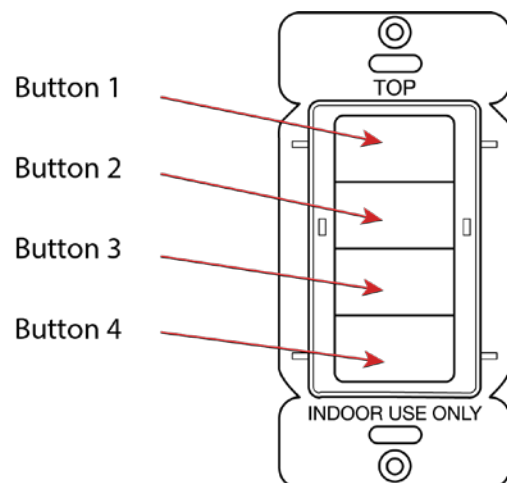**2** **Bluetooth Luminaire with Integral Sensor**
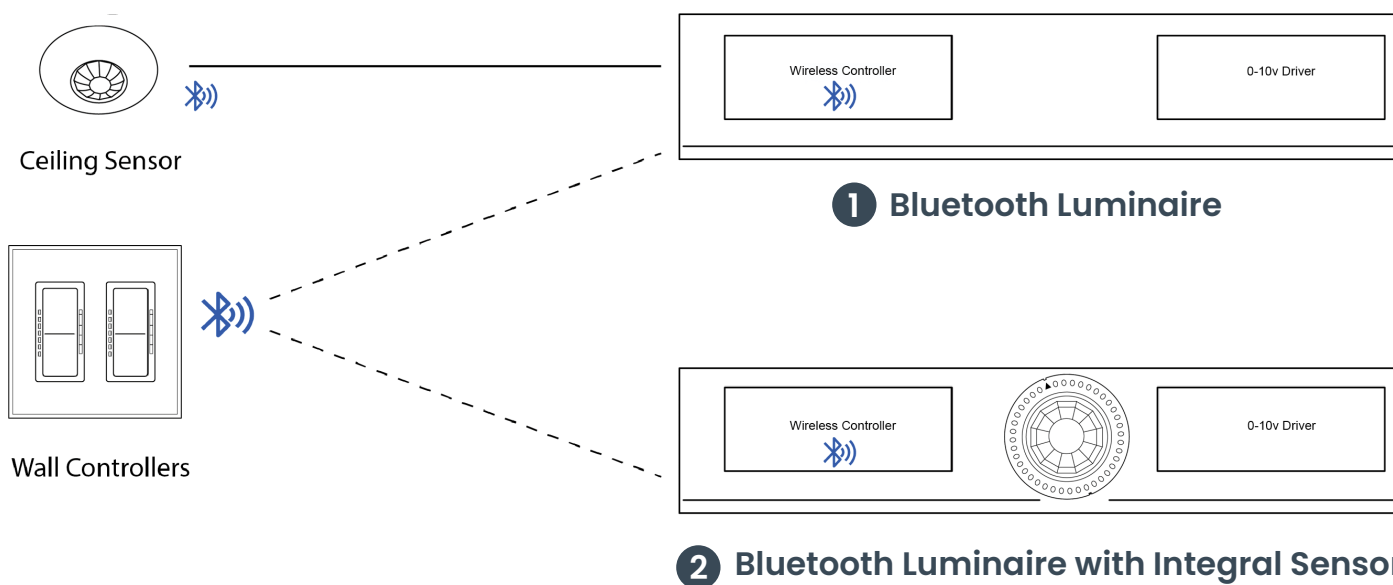
DEVICE CONTROLS

N 1 AND BUTTON 2 FOR AUTO/ON AND DIMMING:

Short press Button 1: **AUTO/ON**
Short press Button 2: **OFF**

Long press Button 1: **Dim Up**
Long press Button 2: **Dim Down**

Auto: Resume automatic control; turns on the automatic settings for luminaires (defined by the settings profile).

BUTTON 3 AND BUTTON 4 TO TRIGGER SCENES OR CONTROL COLOR TEMPERATURE (IF AVAILABLE), SCENES MUST BE CONFIGURED:

Short press Button 3: **Scene A(if configured)**

Short press Button 4: **Scene B(if configured)**

Long press Button 3: **Colder (if available)**
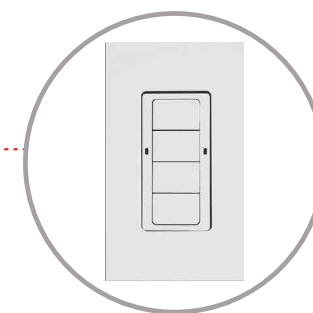
Long press Button 4: **Warmer (if available)**

FACTORY RESET:

Hold both Button 1 and Button 4 for 10 sec. The device returns to an un-provisioned state.

SMART ECOSYSTEM

45m(147.6ft) is the device to device communication distance ideally with clear LoS
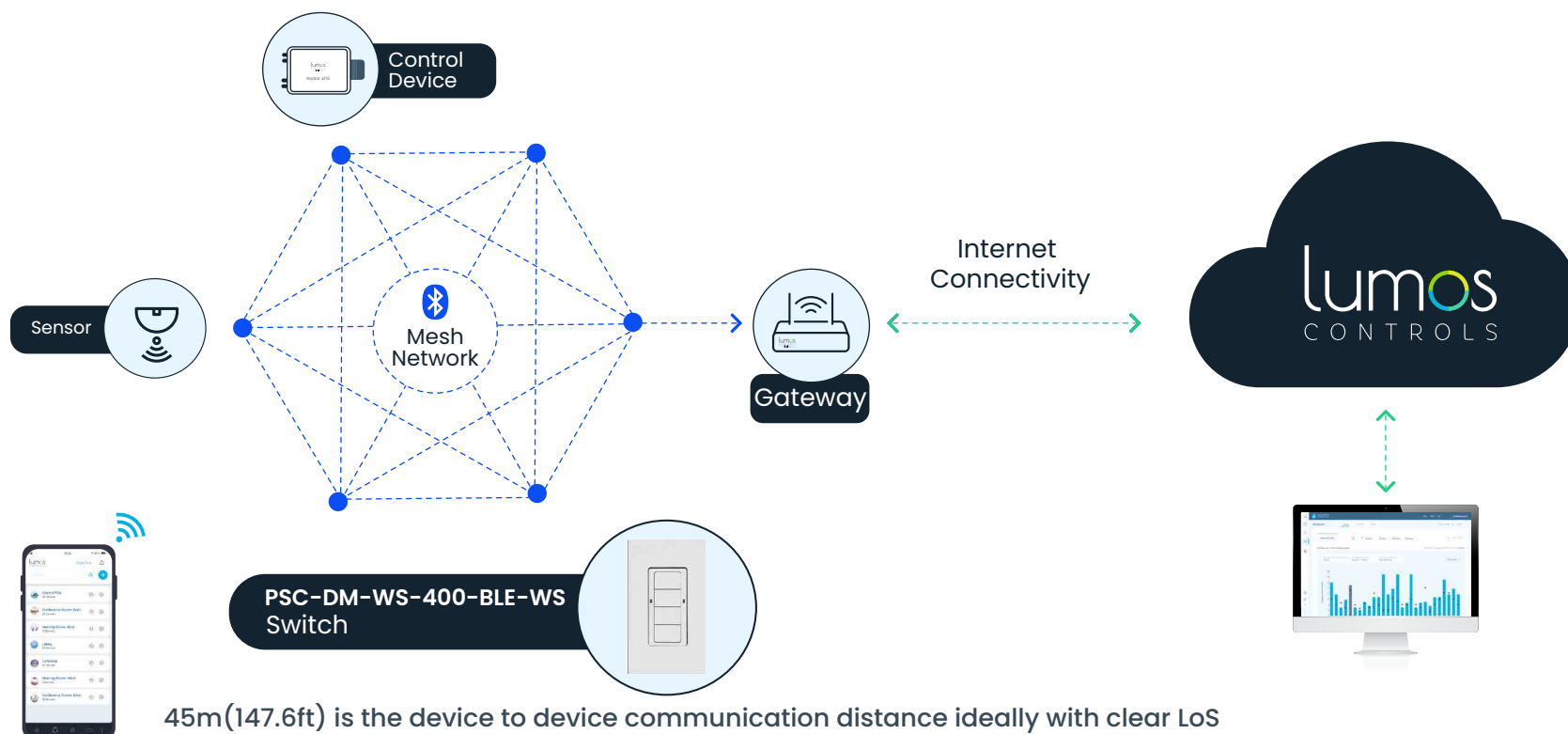
APPLICATION

PSC-DM-WS-400-BLE-WS

ITEMS INCLUDED IN THE PACKAGE BOX

- PSC-DM-WS-400-BLE-WS
- User guide
- Screws

ORDERING INFORMATION

Product Code	Product Description	Communication	Voltage Rating	Functionality
PSC-DM-WS-400-BLE-WS	4-Button Wireless Bluetooth Mesh Wall Controller	BLE5.2	120-277VAC	ON/OFF, Dimming, Tuning

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