



## PRODUCT DESCRIPTION

The BMEGW-M-1-BLE-SR Outdoor Long-range Gateway offers a robust solution for lighting control networks, featuring Bluetooth® mesh technology for extended range and flexible connectivity. It supports both indoor and outdoor installations with optional cellular modem, enabling advanced functions like energy monitoring and demand response via a user-friendly web portal or mobile app.

## ORDERING INFORMATION

### Description

BlueMesh Outdoor Long-range Gateway

### Example Part Number

BMEGW-M-1-BLE-SR

### Type

EGW - Ethernet Outdoor Gateway

CGW - Cellular Outdoor Gateway

### Voltage

1-120-277VAC

3-480VAC

## TECHNICAL DATA

Type	Outdoor Long-range Gateway
Input Voltage	
-200 model	120-277VAC, 50/60Hz
-400 model	480VAC, 50/60Hz
Mounting	Surface Mounted Enclosure
Max Bluetooth Range	900ft (274m)
Operating Temperature	-4°F to 104°F (-20°C to 40°C)
Storage Temperature	22°F to 122°F (-30°C to 50°C)
Relative Humidity	90-95% non-condensing at 86 °F
Finish Color	White
Enclosure	Outdoor Rated NEMA 3R
	Non-metallic
Certification	DLC listed
Protocol	Bluetooth® mesh

## FEATURES

- Integral gateway for advanced lighting control.
- Supports local connection via Ethernet.
- Cellular modem (-CGW model) available.

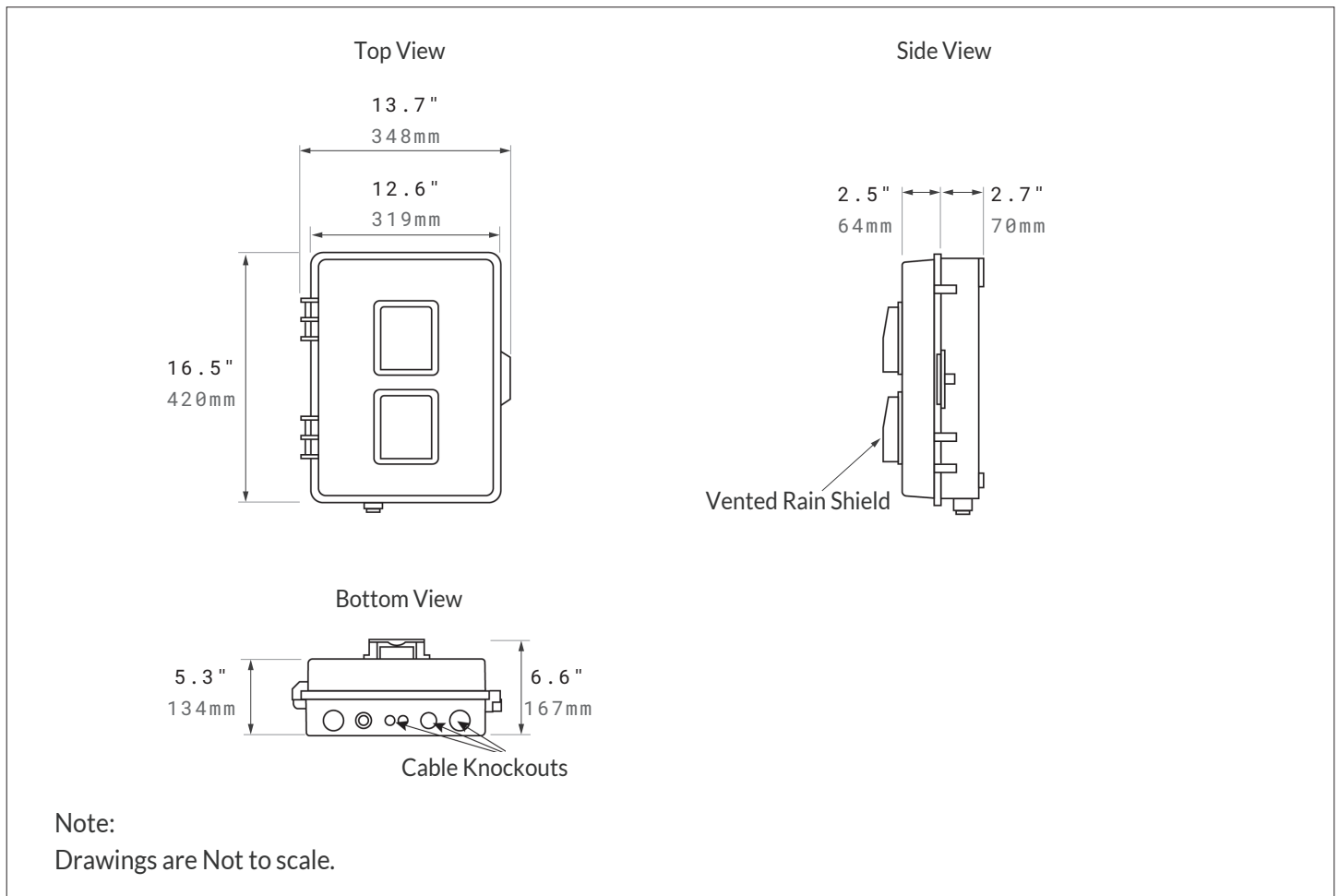
### Advanced Gateway Integration

The integral gateway enables centralized control of lighting networks, connecting via Ethernet or Bluetooth® mesh for seamless management through mobile apps or web portals.

### Extended Connectivity Range

Built-in range extender provides Bluetooth® connectivity up to 900ft, with optional cellular modem for areas lacking network access, enhancing coverage in remote locations. Bluetooth range varies significantly with fixture placement and environmental factors. Always validate coverage through on-site testing during lighting mock-up phase to ensure seamless control integration.

## DIMENSIONS



## OPERATION

### BlueMesh® Controls:

The blueMesh® controls gateway is certified by Bluetooth SIG for compliance with Bluetooth® mesh 1.0.1 specifications. This device connects to Bluetooth® mesh networks and is configured through the web portal or mobile app for initial design, setup, scheduling, and subsequent parameter adjustments.

The gateway enables advanced functionality including energy monitoring and demand response capabilities.

### Ethernet Connection:

The gateway establishes local network communication via Ethernet (-EGW model).

### Cellular Modem (Optional):

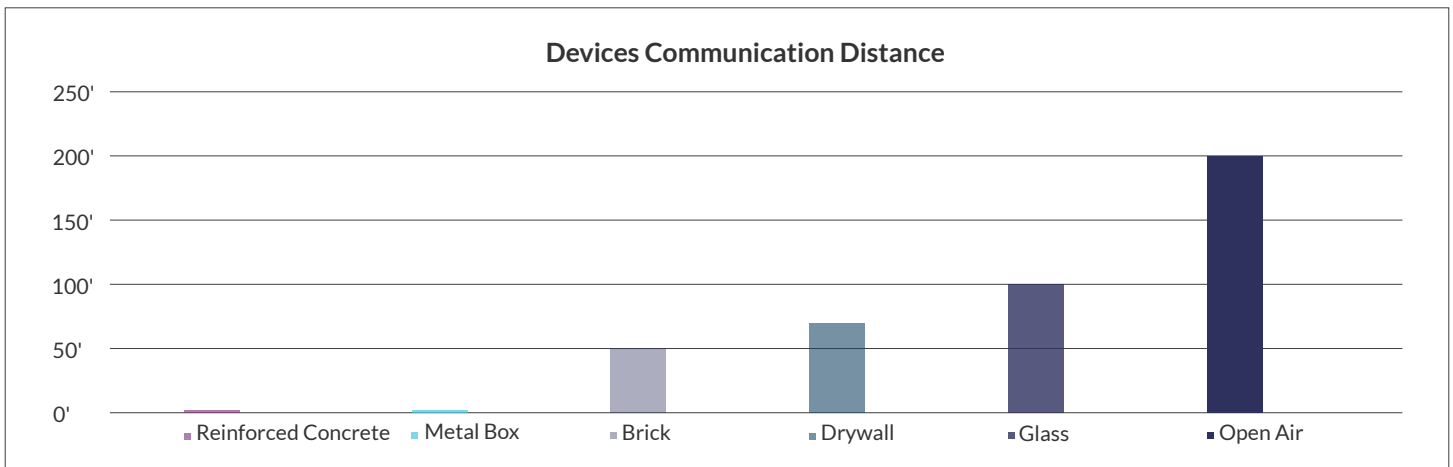
For installations without Ethernet access, the -CGW model provides cellular connectivity.

For detailed instructions, refer to the *BlueMesh™ Commissioning User Manual*.

## WIRING TABLE

Wire	Designation	Notes
Black	Line Input (120-277VAC for –200 models) (480VAC for –400 models)	Line Voltage Power Input
White	Neutral Input	Line Voltage Neutral Power Input
Green	Ground	Ground Power Connection

## DETECTION AREA



## WARRANTY

5 years limited warranty.