

CM-D3-US-1260D-LB-BT

FCC  
ETL  
DLC  
Bluetooth®  
Declaration ID: D062134

## 12-60V Wireless Dimming Bluetooth Ultrasonic Sensor



Bluetooth®



**CM-D3-US-1260D-LB-BT is an ultrasonic occupancy sensor. The sensor actively emits high frequency sound waves (40kHz) and uses the Doppler Effect to detect motion.**

It utilizes a Bluetooth® Low Energy (BLE) mesh network. This device communicates wirelessly via Bluetooth Mesh technology allowing for wireless control of luminaires.

Two ways of installation:

- Mounted 20° from vertical in wall fixture. Max Sensor Range: 23ft x 25ft
- Mounted parallel to floor in ceiling fixture. Max Sensor Range: 18ft x 24 ft.



## Electrical

- CM-D3-US-1260D-LB-BT utilizes a Bluetooth® Low Energy(BLE)mesh network.
- Max Bluetooth® range is100'(30m)line of sight and highly dependent on the integration of fixtures, surrounding environment.It is recommended to conduct testing for range accuracy.
- Input Voltage | Current Consumption:12-60VDC,>100mA



# SENSOR COVERAGE

Top view, CM-D3-US-1260 -LB-BT coverage pattern, sensor mounted 8 high, parallel to floor

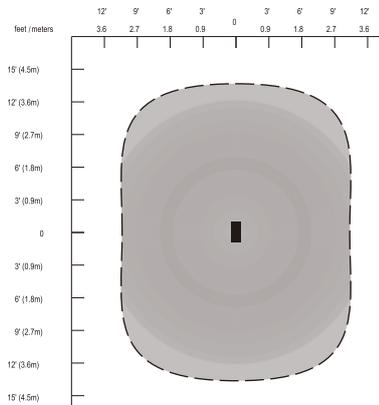


Figure 7.

Top view, CM-D3-US-1260 -LB-BT coverage pattern, sensor mounted 20° from vertical

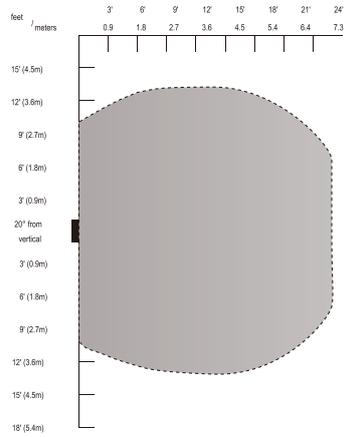


Figure 8.

# APPLICATIONS

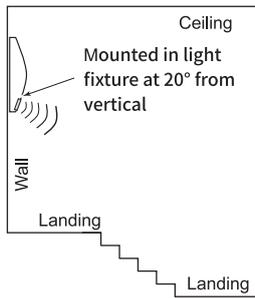


Figure 2a.

CM-D3-US-1260D-LB-BT Mounted 20° from vertical in wall fixture

Mounted parallel to floor in ceiling fixture

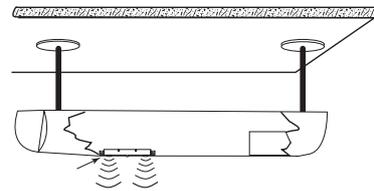


Figure 2b.

# WIRING DIAGRAM

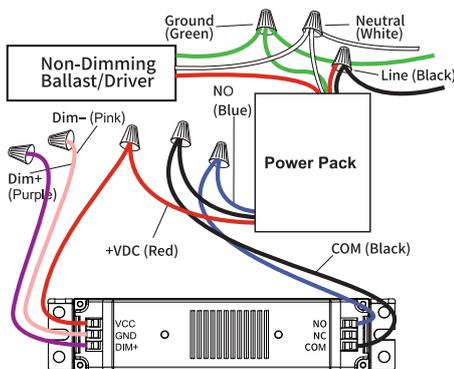


Figure 4.

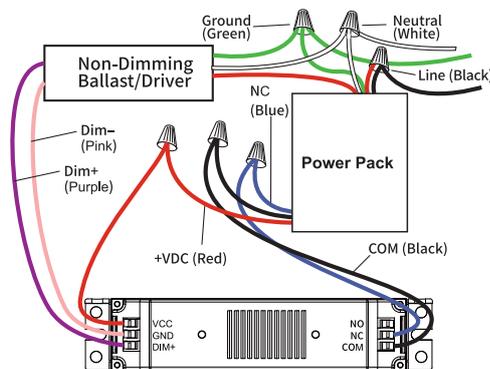


Figure 5.

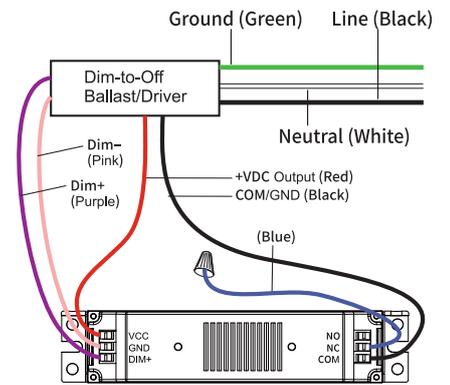


Figure 6.