



APPLICATIONS

The BMS-M-DH-IN-DC1-BLE-SR-CM provides automatic lighting control for a variety of indoor applications. It can be mounted on any flat surface such as ceiling or fixture.

Typical applications include classrooms, private offices, conference rooms, lobbies, corridors and any indoor areas where daylight harvesting control is needed.

OVERVIEW

- Closed Loop Daylight Sensor
- Sensor Response Aligned with Human Visual Response Range
- Mounts on Ceiling
- Bluetooth® SIG Mesh
- 0-100 fc Range
- LED Status Indicator Light
- Lighted Trim
- Zoning, Continuous Dimming,
- Conforms with DLC NLC5 Cybersecurity Standards

SENSOR OPERATION

BlueMesh® Controls:

Qualified by Bluetooth SIG for its Bluetooth Mesh 1.0.1 specification, the sensor connects to a Bluetooth mesh network and is accessed via the BlueMesh web portal or mobile app for initial design, setup and scheduling, as well as subsequent parameter adjustments.

User Interface:

Using the mobile app, end users can then program length of delay time/wait time (this delay prevents the system from adjusting levels as a cloud passes by or another short environmental change happens), ramp and fade time, and other settings using these commissioning tools.

Dimming:

The sensor transmits to a BlueMesh® Fixture Controller to control LED drivers. See BlueMesh® Commissioning User Manual for more info.

ACCESSORIES

Power Pack:

The PIR occupancy sensor operates on 12-24 VDC input and requires a separate power pack. Alternatively, the sensor can operate with a driver that has an auxiliary output (12 V)

SUMMARY

Sensor Type:
Daylight Sensor

Input Voltage |
Current Consumption:

12-24 VDC | 40 mA

Photodiode: Sensor-Human Visual Response Range Aligned

Height:

Mounting Height: 12 Ft nominal

Measuring Range:

0-100 fc (0-1076 Lux)

**Max Bluetooth Range ¹:
100ft (30.4m)**

Operating Temperature:

-20° C to 55° C

Storage Temperature:

-40° C to 80° C

Relative Humidity:

90-95% non-condensing at 30° C

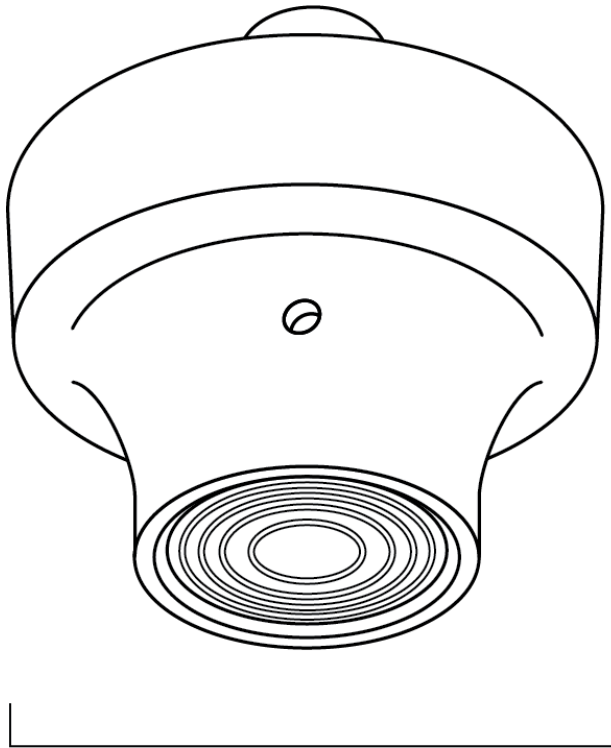
Color:

White

Note:

1. Bluetooth Range is highly dependent on the integration of fixtures, surrounding environment and conditions. It is recommended to conduct testing for range accuracy.

PHYSICAL DIMENSIONS



1.37"
(34.80mm)

2.18"
(55.37mm)

ORDERING INFORMATION

Example: BMS-M-DH-IN-DC1-BLE-SR-CM

Model No.	Description	Input Voltage	Output
BMS-M-DH-IN-DC1-BLE-SR-CM	Daylight Sensor, with Bluetooth BlueMesh® Mesh. Technology Partner Silvair	12-24VDC	Bluetooth Mesh Command

For Line to Low Voltage Power Supply/Controller, please check BlueMesh power pack.

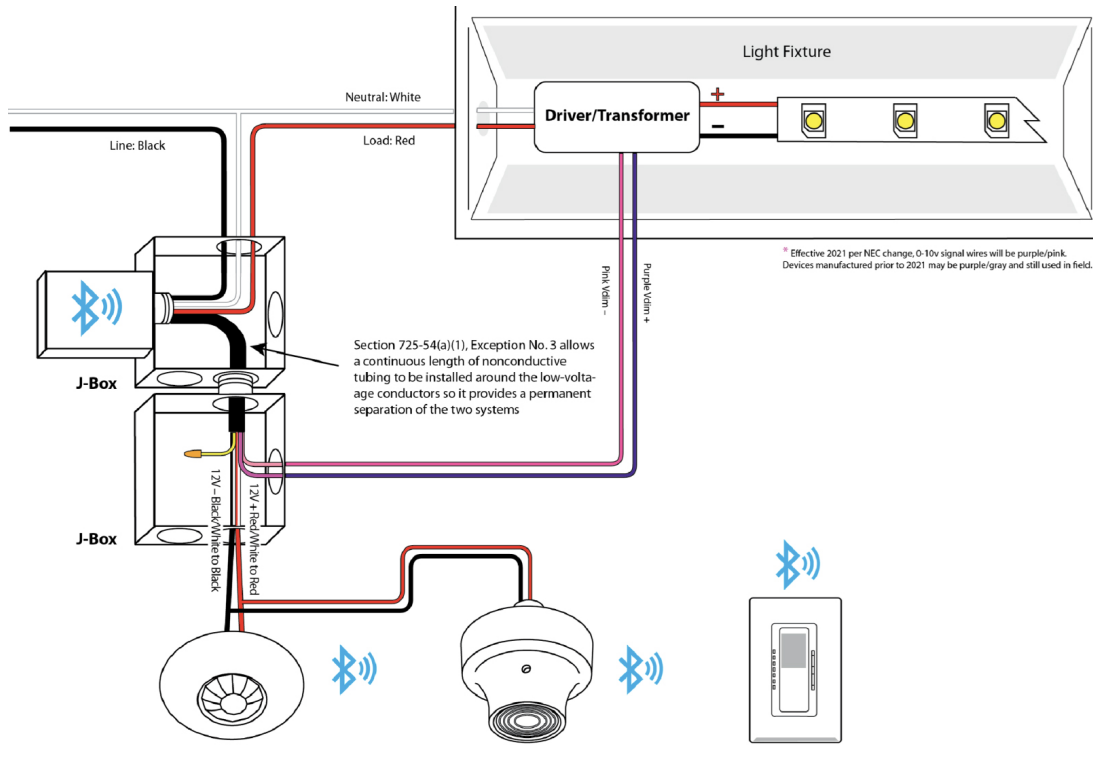
Design and specifications are subject to change without notice.

WARRANTY

Five year limited warranty.

Specifications subject to change without notice.

WIRING DIAGRAM



0-10 Volt Dimming Driver
 Fixture Controller PIR Ceiling
 Mount Occupancy Sensor
 Daylight Sensor Wall Control

INSTALLATION

