

Radio Module, 8-pin

RM-5E-8W



SPECIFICATION

The Enlighted Radio module (RM-5E-8W) brings the full benefits of connected lighting to the Enlighted network system. This module seamlessly integrates with any lighting fixtures, regardless of the manufacturer. By replacing traditional control wiring, it allows for wireless communication with sensors and other devices while still maintaining Enlighted's distributed lighting control functionality.



FEATURES AND BENEFITS

Approvals: Plenum rated and UL 2043 recognized.

Localized Lighting Control: During system setup, light-level schedules, preferences, and behavior profiles for each fixture are wirelessly communicated and stored locally. This ensures continuous operation even in the event of network failure.

Bluetooth Low Energy: The Radio Module incorporates an embedded BLE radio that allows it to receive and transmit beacons, supporting communication with lighting control devices and other sensors.

Energy Metering: The Radio Module has integrated metering capability that enables it to report energy consumption data.

Room and Zone Control: The Radio Module can be paired with room control switches for code-compliant manual-on or auto-off capability. The Radio Module can be grouped into zones for sharing occupancy sensing data to coordinate light control based on motion detected from other sensors in the same group.

Standards-based Networking and Security: The Enlighted 802.15.4 wireless network with AES-128 encryption delivers secure, reliable communication. It coexists with Wi-Fi networks by sensing low-traffic channels and transmitting data in bursts.

Easy Install: Significantly reduces labor costs compared to wired lighting solutions due to wireless communications between the Radio Module and sensors. It is typically installed at OEM factory, eliminating the need for onsite wiring. Once the Radio Module is powered and commissioned, the fixture is ready to communicate wirelessly.

Driver Compatibility: Dimming and on/off control signaling for standard 0-10V ballasts and drivers using linear dimming curve for LED and fluorescent light fixtures.

MOUNTING

The Enlighted Radio Module is designed to be easily mounted into lighting fixtures such that only the discreet white faceplate is visible. The Radio Module slides into a carrier sleeve (included) fitting a standard 1/2-inch trade size knockout or 7/8-inch (22 mm) hole. Carrier sleeves compatible for all lighting fixtures are available. Module replacement requires no tools or opening of the light fixture. Simply slide the Radio Module out of the carrier, unplug the connector, and install the new module.

Radio Module, 8-pin Dimensions

Body	L	0.88"	22.5 mm
	Di.	0.73"	18.4 mm
Bezel	L	0.18"	4.8 mm
	Di.	1.06"	27.0 mm

Enlighted Fixture Carrier

Body	L	0.51"	13 mm
	Di.	0.81"	20.7 mm

ENLIGHTED SPECIFICATION SUBMITTAL

Job Name:

Job Number:

Product Code:

 RM-5E-8W

 HCMC-SU-5E

 TMC-SU-5E

 MASK-SU-5E-50

 SU-5E-BTR

TECHNICAL SPECIFICATIONS

Enclosure: ABS/Polycarbonate blend
Operating Temp: 32° to 122° F / 0° to 50° C
Operating Humidity: 0 to 85% RH, non-condensing
Power Consumption: 200 mW max
Voltage: 12-30V
Wireless Standards: IEEE 802.15.4
 Bluetooth® 4.0 Low Energy (BLE)
Radio Frequency: 2400-2483.5 MHz
Wireless Range: 150 ft. (46 m) radius open range
Encryption: AES-128
Two Dimming Outputs: 10mA source/sink each
Color: White sensor dome with white bezel

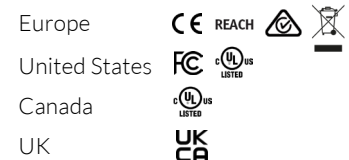
ORDERING INFORMATION

RM-5E-8W	Radio module, 8-pin
HCM-SU-5E	Hard Ceiling Mount Carrier
TMC-SU-5E	Tile Mount Carrier
MASK-SU-5E-50	50-pack Micro Sensor Mask
SU-5E-BTR	25-pack Micro Sensor Black Bezel

WARRANTY: 5 years
 View www.enlightedinc.com/limited-warranty-terms
 for complete terms and conditions.

COMPLIANCE

UL Plenum Rated and UL 2043 recognized



This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

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