

# Radio Module with 2-wire Adaptor

## KIT-RM-5E-D



### SPECIFICATION

The Enlighted Radio Module with 2-wire adaptor (KIT-RM-5E-D) for DALI delivers all the functionality of Connected Lighting to enable seamless integration to the Enlighted network system. The Radio Module seamlessly integrates with any lighting fixtures from any manufacturer. It replaces traditional control wiring, communicates with sensors and other devices wirelessly, and enables Enlighted's distributed lighting control functionality. In addition, the module supports Bluetooth® Low Energy communication with tags and other BLE devices.

### FEATURES AND BENEFITS

**2-Wire (D4i) Driver Compatibility:** The Radio Module is compatible with D4i, enabling support for DALI-2 certified products with either an external or integrated Power Supply Unit (PSU).

**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 with 2-wire adaptor

Body	L	0.88"	22.5 mm
	Dia.	0.73"	18.5 mm
Bezel	Dia.	1.06"	27.0 mm
Adaptor Cable	L	2.35"	60.0 mm
	Dia.	0.37"	9.5 mm

### ENLIGHTED SPECIFICATION SUBMITTAL

Job Name:

Job Number:

Product Code:

 KIT-RM-5E

 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

**Rating:** 9.5-22.5 V DC, 180 mW

**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

**Color:** White sensor dome with white bezel

### ORDERING INFORMATION

KIT-RM-5E-D Radio module, 2-wire

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](http://www.enlightedinc.com/limited-warranty-terms) for complete terms and conditions.

### COMPLIANCE

UL Plenum Rated and UL 2043 recognized

Europe



United States



Canada



UK



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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