

WaveLinx LITE Tilemount Sensor Kit (WTK)

Installation Instructions

WaveLinx LITE Trousse de détecteur à montage sur mosaïque (WTK)

Instructions d'installation

WaveLinx LITE Kit de sensor Tilemount (WTK)

Instrucciones de Instalación



www.cooperlighting.com

WARNING



Risk of Fire, Electrical Shock, Cuts or other Casualty Hazards- Installation and maintenance of this product must be performed by a qualified electrician. This product must be installed in accordance with the applicable installation code by a person familiar with the construction and operation of the product and hazards involved. For continued protection against shock hazard replace all covers and guards after field wiring is completed.



Risk of Fire and Electric Shock- Before installing or performing any service, the power MUST be turned OFF. All installations should be in compliance with the National Electric Code and all state local codes.



Risk of Burn- Disconnect power and allow product to cool before handling or servicing.



Risk of Personal Injury- Due to sharp edges, handle with care.

Failure to comply with these instructions may result in death, serious bodily injury and property damage.

DISCLAIMER OF LIABILITY: Cooper Lighting Solutions assumes no liability for damages or losses of any kind that may arise from the improper, careless, or negligent installation, handling or use of this product. **IMPORTANT:** Read carefully before installing product. Retain for future reference. **NOTICE:** Product may become damaged and/or unstable if not installed properly. **Note:** Specifications and dimensions subject to change without notice. **ATTENTION Receiving Department:** Note actual product description of any shortage or noticeable damage on delivery receipt. File claim for common carrier (LTL) directly with carrier. Claims for concealed damage must be filed within 15 days of delivery. All damaged material, complete with original packing must be retained.

NOTICE: Designed for indoor installation and use only. Dry location rated. Must not exceed 20 drivers connected to a single Tilemount sensor dimming wires. Must not exceed 70 °C operating environment. Blue wire switches to Line voltage. Do not handle while powered. Dimming luminaires should not connect 0-10V wires from different line powered circuits.

Warranties and Limitation of Liability

Please refer to www.cooperlighting.com for our terms and conditions.

FCC Statement
Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the antenna and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

FCC Part 15 Clause 15.21 Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

FCC Part 15.19a 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.

FCC 2.1091/RSS-102 In order to comply with FCC/ISED RF Exposure requirements, this device must be installed to provide at least 20 cm separation from the human body at all times.

ISED RSS
This device complies with Industry Canada's licence-exempt RSSs. Operation is subject to the following two conditions:
(1) This device may not cause interference; and (2) This device must accept any interference, including interference that may cause undesired operation of the device. CAN ICES-3 (B)/NMB-005(B)

AVERTISSEMENT



Risque d'incendie, de décharge électrique, de coupure ou d'autres risques – L'installation et l'entretien de ce produit doivent être effectués par un électricien qualifié. Ce produit doit être installé conformément aux règles d'installation en vigueur par une personne familière avec la construction et le fonctionnement du produit ainsi qu'avec les risques inhérents. Pour une protection continue contre les décharges électriques, réinstallez tous les couvercles et protecteurs en place une fois le câblage terminé.



Risque d'incendie et de décharge électrique – Assurez-vous que l'alimentation électrique est HORS TENSION avant de commencer l'installation ou de tenter d'en faire l'entretien. Mettez l'alimentation électrique hors tension au niveau du fusible ou du disjoncteur. Toutes les installations doivent être conformes au Code national de l'électricité, ainsi qu'à tous les codes nationaux et locaux.



Risque de brûlure – Débranchez la source d'alimentation et laissez refroidir le luminaire avant de procéder à son entretien ou à sa manipulation.



Risque de blessures – À cause des arêtes tranchantes, manipulez ce produit avec précaution. La désobéissance aux instructions suivantes représente un risque de blessures (y compris la mort) et de dommages matériels.

EXONÉRATION DE RESPONSABILITÉ : Cooper Lighting Solutions n'assume aucune responsabilité pour les dommages ou pertes de quelque nature que ce soit pouvant découler d'une installation, d'une manipulation ou d'une utilisation inappropriée, imprudente ou négligente de ce produit. **IMPORTANT :** Lire attentivement avant d'installer le luminaire. À conserver pour consultation ultérieure. **AVIS :** Ce produit peut s'endommager ou devenir instable s'il n'est pas installé correctement. **Remarque :** Les caractéristiques techniques et les dimensions peuvent changer sans préavis. **ATTENTION Service de la réception :** Veuillez fournir une description de tout élément manquant ou de tout dommage constaté au bordereau de réception. Soumettez une réclamation de transporteur public (chargement partiel) directement auprès du transporteur. Les demandes pour les dommages cachés doivent être présentées dans les 15 jours suivants la livraison. Tout matériel endommagé doit être conservé avec tout l'emballage d'origine.

AVIS : Produit conçu uniquement pour une installation et un usage à l'intérieur. Produit conçu pour un endroit sec. Ne doit pas dépasser 20 pilotes connectés à un seul fils de gradation du capteur pour montage sur carreaux. Ne doit pas dépasser la température de 70 °C du milieu de fonctionnement. Fils bleus d'interrupteurs vers tension de secteur. Ne manipulez pas lorsque sous tension. Les luminaires à intensité variable ne doivent pas être raccordés aux fils de 0 à 10 W provenant de différents circuits d'alimentation secteur.

Garanties et limitation de responsabilité

Veuillez consulter le site www.cooperlighting.com pour obtenir les conditions générales.

ISED RSS
Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :
1) l'appareil ne doit pas produire de brouillage;
2) l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

CAN ICES-005 (B)/NMB-005(B)

Tilemount Sensor Kit Installation

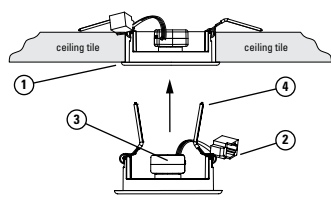
Control Module

The WaveLinx LITE Tilemount Sensor Kit includes a control module that is designed to be mounted to an electrical junction box via ½" knockout.

1. Ensure power is off to all circuits.
2. Secure the WaveLinx LITE Tilemount Sensor Kit control module to the junction box via 1/2" knockout.
3. Make all power connections:
 - a. Connect the incoming 120/277 VAC Line voltage to the Black (HOT) input wire of the control module.
 - b. Connect the Blue (HOT_Switched) output wire to the load that will be controlled by the control module.
 - c. Connect the incoming 120/277 VAC Neutral to the White (Neutral) input wire of the control module and also connect the White (Neutral) wire to the load directly.
4. Make all low-voltage (0-10V wire) connections (if required):
 - a. Use 20 – 24 AWG solid or stranded copper wire for the low voltage connections.
 - b. Connect the Purple positive (Dimming) lead to the luminaire 0-10V driver Purple terminal/connector.
 - c. Connect the Gray negative (Dimming) lead to the luminaire 0-10V driver Gray terminal/connector.
5. Check all electrical and mechanical connections.
6. Close junction box.
7. Energize circuit.

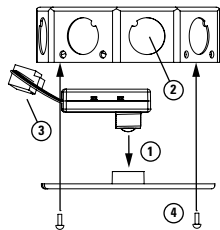
Tilemount installation

1. Cut 2-7/8" (73mm) to 3" (76mm) diameter hole in ceiling tile.
2. Connect plenum cable connectors.
3. Snap sensor body into ceiling trim.
4. Squeeze trim springs and insert through hole.



J-Box installation

1. Snap sensor body into cover plate.
2. Pull plenum sensor cable through junction box knockout.
3. Connect plenum cable connectors.
4. Secure sensor kit to junction box.



Out of the box functionality

Upon Power up, the WaveLinx LITE Tilemount Sensor will provide occupancy operation. To customize the operation, see the WaveLinx LITE manual.

Wireless setup

Please refer to WaveLinx LITE manual to complete configuration.

LED Indicator Definitions

There are two major LED patterns for the WaveLinx LITE Tilemount Sensor:

- When the tilemount sensor is not connected to the WaveLinx LITE wireless network the LED in the sensor will blink Green.
- When the tilemount sensor is connected to the WaveLinx LITE network the LED in the sensor will blink White.

ADVERTENCIA



Riesgo de incendio, descarga eléctrica, cortes u otros riesgos de accidentes: la instalación y el mantenimiento de este producto deben ser realizados por un electricista calificado. Este producto debe ser instalado de acuerdo con el código de instalación correspondiente por una persona familiarizada con la construcción y la operación del producto y los peligros involucrados. Para una protección continua contra el riesgo de electrocución, reemplace todas las cubiertas y protectores después de que se haya completado el cableado de campo.



Riesgo de incendio y descarga eléctrica: asegúrese de que el suministro eléctrico esté desconectado antes de comenzar la instalación o intentar realizar cualquier tarea de mantenimiento. Desconecte el suministro eléctrico en el fusible o disyuntor. Todas las instalaciones deben cumplir con el Código Eléctrico Nacional y todos los códigos estatales y locales.



Riesgo de quemaduras: desconecte el suministro eléctrico y espere que la luminaria se enfríe antes de manipularla o repararla.



Riesgo de lesiones personales: debido a bordes filosos, manipúlela con cuidado. El incumplimiento de estas instrucciones puede provocar lesiones graves (incluida la muerte) y daños a la propiedad.

RENUNCIA DE RESPONSABILIDAD: Cooper Lighting Solutions no asume ninguna responsabilidad por daños o pérdidas de ningún tipo que puedan surgir por la instalación, manipulación o uso inadecuado, descuidado o negligente de este producto. **IMPORTANTE:** Lea atentamente antes de instalar la luminaria. Conserve estas instrucciones para tenerlas como referencia futura. **AVISO:** La luminaria puede dañarse y/o ser inestable si no se instala correctamente. **Nota:** Las especificaciones y dimensiones están sujetas a cambios sin previo aviso. **ATENCIÓN Departamento de recepción:** Observe que la descripción real de la luminaria no carezca de piezas ni presente daños notorios al momento de su entrega. Presente el reclamo directamente al transportista de carga (LTL). Los reclamos por daños ocultos deben presentarse dentro de los 15 días posteriores a la entrega. Se debe retener todo el material dañado, completo con el embalaje original.

AVISO: Diseñado solo para su instalación y uso en interiores. Ubicación seca clasificada.

No debe haber más de 20 controladores conectados a un solo cable de regulación del sensor de montaje en losa.

No debe superar los 70°C del entorno operativo.

El cable azul cambia a voltaje de línea. No manipule mientras esté encendido.

Las luminarias de atenuación no deben conectar cables de 0-10V de diferentes circuitos alimentados por línea.

Garantías y Limitación de Responsabilidad

Visite www.cooperlighting.com para conocer nuestros términos y condiciones.

Declaración de la FCC
Nota: El equipo ha sido probado y cumple con los límites para un dispositivo digital de Clase B, de conformidad con la parte 15 de las Normas de la FCC. Estos límites están diseñados para proporcionar una protección razonable contra las interferencias dañinas en una instalación residencial. Este equipo genera, usos y puede emitir energía de radiofrecuencia y, si no se instala y utiliza de acuerdo con las instrucciones, puede causar interferencia dañina en las comunicaciones de radio. Sin embargo, no se puede garantizar que dicha interferencia no ocurra en una instalación determinada. Si este equipo causa interferencia dañina en la recepción de radio o televisión, lo que puede determinarse apagando y encendiendo el equipo, se recomienda al usuario que intente corregir la interferencia mediante una o más de las siguientes medidas:

- Reorientar o reubicar la antena receptora.
- Aumentar la separación entre el equipo y el receptor.
- Conectar el equipo a una toma de corriente en un circuito diferente al que está conectado el receptor
- Consultar con el distribuidor o con un técnico de radio/TV experimentado para obtener ayuda.

Declaración de la FCC parte 15 cláusula 15.21
Los cambios o modificaciones no aprobados expresamente por la parte responsable del cumplimiento podrían anular la autoridad del usuario para operar el equipo.
Declaración de la FCC parte 15.19a
Este dispositivo cumple con la parte 15 de las Reglas de la FCC. El funcionamiento está sujeto a las siguientes dos condiciones: (1) este dispositivo no puede causar interferencias perjudiciales, y (2) este dispositivo debe aceptar cualquier interferencia recibida, incluidas las interferencias que puedan causar un funcionamiento no deseado.
FCC 2.1091/RSS-102
Para cumplir con los requisitos de exposición a RF de FCC / ISED, este dispositivo debe instalarse para proporcionar al menos 20 cm de separación de la cuerpo humano en todo momento.

Troubleshooting

Issue	Possible Causes	Suggestions
Sensor LED will not blink	Power Interruption	Check incoming voltage and/or wiring
Sensor cannot join WaveLinx LITE Network and/or communication not reliable	Communication Issue	Check that the WaveLinx LITE Tilemount Sensor is within Line of Site (LOS) range of other devices in that WaveLinx LITE Wireless Network. Consult WaveLinx LITE manual for more information.
Lights do not dim	Sensor connection issue	Check the wiring between the sensor and the control module. Ensure that the connection is not loose on the sensor or the control module.
0-10V Dimming doesn't function correctly	0-10V connection issue	Check wiring connections for Purple and Gray 0-10V wires.
	Sensor not placed close enough to light source and is not daylight harvesting	Place the sensor into tile nearest to the controlled luminaires.
Wall accent lights causing the system to dim to minimum brightness	Wall accent lights causing the system to dim to minimum brightness	Move the sensor away from accent lighting to ensure the majority of light is coming from the controlled fixtures. It may be necessary to use only fixtures of the same type within the desired control area.
Lamp is causing system to dim to minimum brightness	Lamp is causing system to dim to minimum brightness	Remove any direct light source from the controlled area. Alternatively, locate the sensor away from the direct light source but still receiving a majority of its light from the controlled luminaires.
Sunlight is causing the fixture to dim all the time	Sunlight is causing the fixture to dim all the time	Move the sensor a minimum of 5ft away from the window and over the desired surface to regulate.
Controlled fixtures are not contributing the majority of light into the sensor. This causes the fixture to be at maximum brightness or minimum brightness	Controlled fixtures are not contributing the majority of light into the sensor. This causes the fixture to be at maximum brightness or minimum brightness	Adjust the sensor location away from other light sources that are not under the control of the WaveLinx LITE Tilemount Sensor. If the installation is using multiple luminaire types, ensure that the sensor is only receiving light from a single fixture type.
Relay doesn't function correctly	Communication Issue	Check that the WaveLinx LITE Tilemount Sensor is within Line of Site (LOS) range of other devices in that WaveLinx LITE Wireless Network. Consult WaveLinx LITE manual for more information.
	Relay not toggling	If communication is established, check for a 'clicking' sound of the relay indicating that it is opening and closing.
Wiring Issues	Wiring Issues	Check to see if power and load wires are wired correctly according to the wiring section.
If still having trouble, call Technical Services at 1-800-553-3879		

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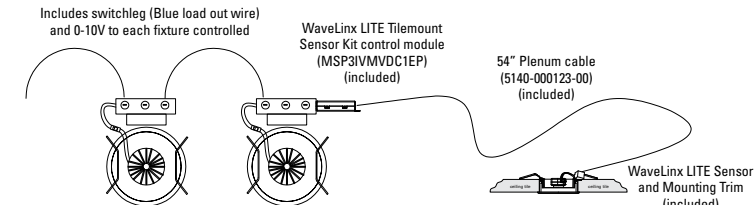
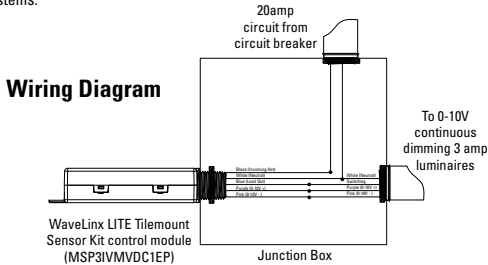
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Printed in Mexico
Publication No. IIB503104ML
January 2021

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120/277 VAC 3 amp downlights with 0-10V control

