Lumina™ RF Wireless Photosensor

Cat. No. LURPC-00W

DI-000-LURPC-02A

WARNINGS AND CAUTIONS

- **TO AVOID DEATH, SERIOUS PERSONAL INJURY OR PROPERTY DAMAGE, DO NOT RECHARGE, DISASSEMBLE OR INCINERATE BATTERY, NOR HEAT IT ABOVE 100˚C (212˚F).** Dispose of used battery promptly. DO NOT dispose of battery in normal household waste. Keep away from children. Please contact your local waste provider or recycling facility for proper disposal of used battery.
- To be installed and/or used in accordance with appropriate electrical codes and regulations.
- If you are unsure about any part of these instructions, consult an electrician.
- For indoor applications only.
- SAVE THESE INSTRUCTIONS.

INSTALLATION — ENGLISH

OVERVIEW

The Leviton® LURPC-00W Wireless Photosensor is a battery powered light sensor that transmits and receives wireless messages in the Lumina™ RF network wireless lighting control system. It is intended to be mounted to the ceiling, to measure the light level in the space. No wiring, adjustment or calibration is needed.

As part of the Lumina™ RF network system and using open, standards based Lumina™ RF wireless communications, the LURPC-00W reports real-time light measurements. Designed to work with the Lumina™ RF network daylight harvesting solution, the LURPC-00W enables automatic and continuous adjustment of electric light levels to auto-defined or user-defined setpoints.

• Suitable for many applications: office, retail, education, etc.

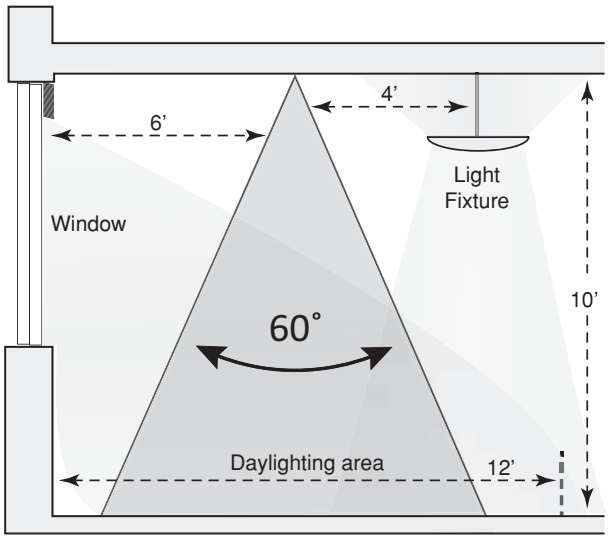
• Ceiling surface mount, completely wireless installation.

PLACEMENT

Place the Photosensor so that it views the daylight and the electric light available in the controlled area.

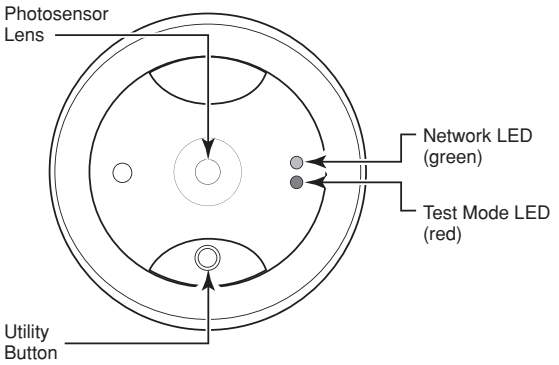
In areas with pendant fixtures providing uplighting, place the Photosensor at least 4 feet (1.2m) away from the nearest uplighting fixture.

In areas where the primary light source is through a window, place the Photosensor between 6 feet and 15 feet (1.8m to 4.5m) from the window.



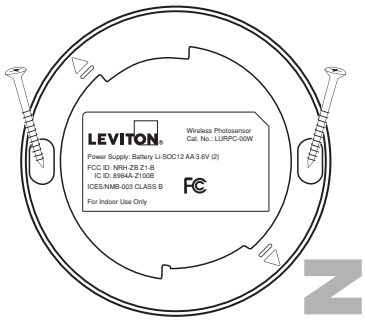
SPECIFICATIONS

Power supply	(2) AA 3.6V Lithium-thionyl chloride battery (included)
Battery life	5 years
Radio Properties	2.4 GHz, +7dBm transmit power
Operating Environment	Indoor, dry location
Temperature	14˚ to 122˚F (-10˚ to 50˚C)
Light Sensor Range	1 to 2000 lux (0.092 to 185 fc)
Lens	Field of view: 60˚ cone
Mounting	(2) Screw holes on base plate; ceiling mount; twist-lock sensor
Dimensions	Diameter: 3.7 inches (95mm) Depth: 1.3 inches (32mm)



INSTALLATION

1. Determine the mounting location for the sensor based on daylight availability and task area. *See Placement for details*.
2. Remove the sensor from the base by twisting it.
3. Attach the mounting base to the ceiling in the specified location. Be sure the label is visible after mounting the base.
4. Install the batteries in the orientation (+ -) shown on the bottom of the battery compartments.
5. Secure the sensor to the ceiling by twisting it onto the base.
6. Initiate the Installation Test Mode: momentarily press the Utility button. The green LED flashes once then the red LED starts flashing.
   NOTE: The test mode times out after 5 minutes.
   - Decrease the light at the Photosensor by covering the lens with your hand.
     NOTE: The LED flashes slower.
   - Increase the light at the Photosensor by moving your hand away from the lens.
     NOTE: The LED flashes faster.



7. If you observe the behaviors described in step 6, the sensor has passed the installation test. Exit Installation Test Mode by momentarily pressing the Utility button again. If you do not observe the proper behavior, *see Troubleshooting*.
8. Complete the installation by resetting the device to factory defaults. Press and hold the Utility button for 5 seconds. Release the button when the Network LED (green) begins to flash rapidly. The sensor attempts to join a Lumina™ RF network for up to 30 seconds. If it is able to join, the Network LED (green) turns ON solid for 10 seconds. If it is unable to join, it automatically retries every 15 minutes until it succeeds in joining a network.
   NOTE: The sensor will not be able to join a network until a Lumina™ RF compatible gateway is commissioned. *See LED Operation table*.

WEB VERSION

LED OPERATION

Green LED: Network Indicator	Description
Rapid flash (12 times per second) for up to 30 seconds	Device is trying to join Lumina™ RF network. If it fails to join, it will retry after 15 minutes.*
Solid for 10 seconds	Device successfully joined a Lumina™ RF network.
Flashes once	Utility button was pressed to initiate Installation Test Mode.
Flashes twice	Utility button was pressed for 2 seconds and the device is currently joined to a network.
ON for 2 seconds every 30 seconds	Battery is low. Replace the battery.

Red LED: Installation Test Mode, Light Level	Description
Flashes at the rate of 2 times per second to 12 times per second	Installation Test Mode is active. The red LED flashes at a speed proportional to the amount of light detected. At the minimum light level it flashes 2 times per second. At the maximum light level it flashes 12 times per second.
OFF	Normal operation. Installation Test Mode automatically exits after 5 minutes.

JOINING THE LUMINA™ RF LIGHTING CONTROL NETWORK

After successfully completing the Installation Test the LURPC-00W is ready to communicate with the Lumina™ RF compatible gateway.

* A network join can be re-triggered manually at any time using one of the following methods:
  - Reset to factory defaults: This causes the device to leave any network to which it is currently joined. Following the reset, the device attempts to join a network. Press and hold the Utility button for 5 seconds. Release the button when the Network LED (green) begins to flash rapidly.
  - Activate device: Press and hold the Utility button for 2 seconds. If the device is already joined to a network, the Network LED (green) flashes twice. If the device is not joined to a network, the Network LED (green) flashes rapidly and the device will attempt to join a network.

TROUBLESHOOTING

If the Installation on Test procedure fails:

- Make sure that the Photosensor lens is not obstructed and there is no debris on the lens.
- Check to be sure the batteries are installed correctly, observe polarity.
- Repeat the Installation on Test.

No LEDs ever flash. Is the unit working?

When the device is operating normally and it has joined a network, the LEDs are off . If you want to confirm that the batteries are not dead, you can initiate the Installation on Test Mode. *See step 6 under installation.*

FCC COMPLIANCE STATEMENT:

Contains FCC ID: NRH-ZB Z1-B

The enclosed device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (i.) This device may not cause harmful interference (ii.) This device must accept any interference received, including interference that may cause undesired operation. Any changes or modifications not expressly approved by Leviton could void the user's authority to operate this equipment. 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 equipment 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.

INDUSTRY CANADA COMPLIANCE STATEMENT:

Contains IC: 8984A-Z100B

This device complies with Industry Canada license-exempt RSS standard(s). 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. IMPORTANT! Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment. This Class B digital apparatus complies with Canadian ICES-003.

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FOR CANADA ONLY:

For warranty information and/or product returns, residents of Canada should contact Leviton in writing at **Leviton Manufacturing of Canada Ltd to the attention of the Quality Assurance Department, 165 Hymus Blvd, Pointe-Claire (Quebec), Canada H9R 1E9** or by telephone at **1 800 405-5320.**

LEVITON LIMITED WARRANTY

Leviton warrants to the original consumer purchaser and not for the benefit of anyone else that products manufactured by Leviton under the Leviton brand name ("Product") will be free from defects in material and workmanship for the time periods indicated below, whichever is shorter: • **OmniPro II and Lumina Pro**: three (3) years from installation or 42 months from manufacture date. • **Omni LTe, Omni IIe, and Lumina**: two (2) years from installation or 30 months from manufacture date. • **BitWise Controllers, Accessories**: two (2) years from installation or 30 months from manufacture date. • **Thermostats, Accessories**: two (2) years from installation or 30 months from manufacture date. • **Batteries**: Rechargeable batteries in products are warranted for ninety (90) days from date of purchase. **Note**: Primary (non-rechargeable) batteries shipped in products are not warranted. **Products with Windows® Operating Systems**: During the warranty period, Leviton will restore corrupted operating systems to factory default at no charge, provided that the product has been used as originally intended. Installation of non-Leviton software or modification of the operating system voids this warranty. Leviton's obligation under this Limited Warranty is limited to the repair or replacement, at Leviton's option, of Product that fails due to defect in material or workmanship. Leviton reserves the right to replace product under this Limited Warranty with new or remanufactured product. **Leviton will not be responsible for labor costs of removal or reinstallation of Product**. The repaired or replaced product is then warranted under the terms of this Limited Warranty for the remainder of the Limited Warranty time period or ninety (90) days, whichever is longer. This Limited Warranty does not cover PC-based software products. **Leviton is not responsible for conditions or applications beyond Leviton's control. Leviton is not responsible for issues related to improper installation, including failure to follow written Installation and operation instructions, normal wear and tear, catastrophe, fault or negligence of the user or other problems external to the Product**. To view complete warranty and instructions for returning product, please visit us at **www.leviton.com**.