



The MW-PS daylight sensor allows compatible Lutron devices to automatically change light levels due to input from an external light source. It can be calibrated to respond to incoming daylight, and it mounts easily on any ceiling tile using a 2 in. (50 mm) hole.

The MW-PS works with the following systems:

- Digital microWATT™ and lighting zone controllers
- GRX-DACPI and OMX-DACPI
- RadioTouch™ controller
- microWatt®

Determine a Mounting Location

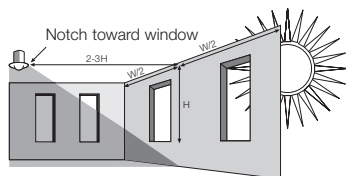
Determine the proper location of the MW-PS daylight sensor using the adjacent diagrams.

- Position the sensor so the notch points toward the area you want viewed by the sensor.
- Position the sensor so its viewing area does not extend out the window.
- Do not position the sensor in the well of a skylight or above indirect lighting fixtures.
- Ensure that the view of the sensor is not obstructed.



Do not place sensor above indirect lighting. Move the sensor away from the lighting, or lower it below the fixture.

Mounting in an average-size area



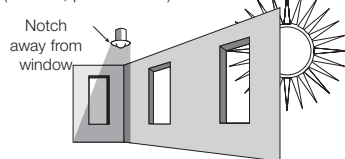
Area viewed by daylight sensor:

H = Effective window height

W = Width of room

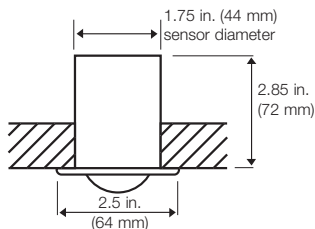
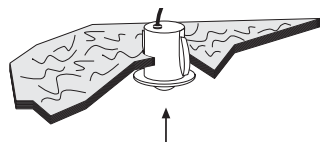
Mounting in a narrow area

(corridor, private office)



Mount the Daylight Sensor

- Drill a 2 in. (50 mm) diameter hole in the ceiling tile.
- Compress the bracket sides and fully insert the sensor into the hole.



Wire the Daylight Sensor

- Make sure that the supply breaker to the control system is OFF.
- Connect the three wires of the sensor to the corresponding terminals of the device that it will control as follows:
 - Black: Common
 - Yellow: Signal
 - Red: Supply/24 V $\overline{---}$
- Wire gauge: #22 AWG (0.64 mm²)

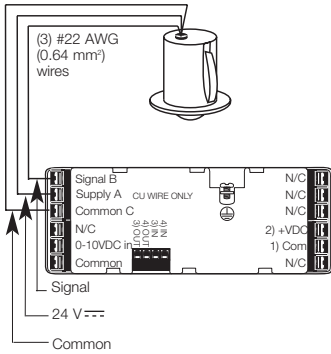
Notes

- GRX/OMX-DACPI accepts up to three daylight sensors wired in parallel.
- Other lighting controls can not be wired to more than one daylight sensor.
- In some systems, control of multiple zones from a single daylight sensor may be achieved through programming.
- Wire length between sensor and device must not exceed 100 ft. (30 m).

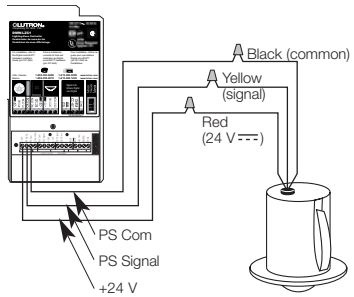


Caution! Daylight sensor circuits are PELV (Class 2: USA) only. Unless otherwise specified, voltages do not exceed 35 V $\overline{---}$. These circuits comply with the requirements of NFPA 70, National Electrical Code® (NEC®). When installing the sensors, follow all applicable national and/or local wiring regulations.

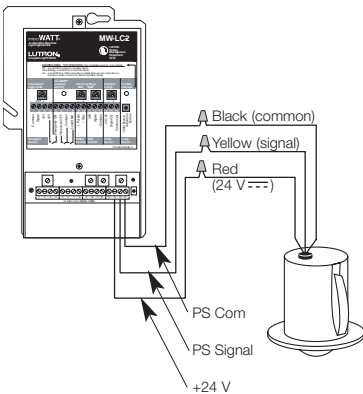
Wiring to a GRX/OMX-DACPI



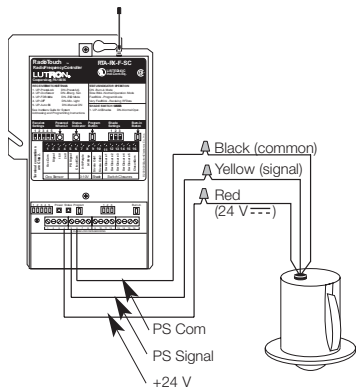
Wiring to a DMW-LZC1



Wiring to an MW-LC-2




Wiring to an RTA-RX-F or RTA-RX-F-SC



Test the Daylight Sensor

- Make sure that the power to the lighting circuit is ON.
- Ensure the lighting control system is commissioned properly.

 **Warning!** The lighting circuit should be energized only when all wiring is complete and all persons are clear of fixtures/devices. Turn power ON only after checking that it is safe to do so.

- Shine a flashlight directly onto the sensor.
- Keep the light ON for at least 30-40 seconds. This should cause the lights connected or programmed to the sensor to dim.

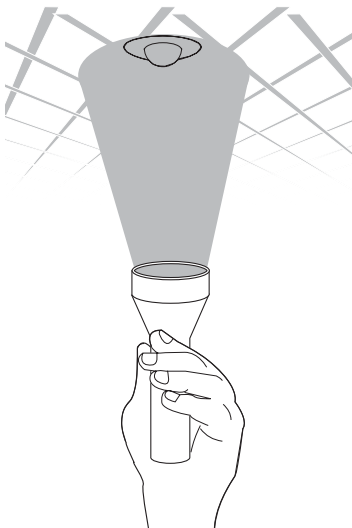
If the lights do not dim, they may already be at a dimmed level due to daylight. If so, test the sensor by covering it for 30-40 seconds. This should cause the lights to get brighter.

If the lights do not dim or brighten:

- Double-check the daylight sensor wiring.
- Verify the sensor is receiving 20–24 V_{AC} between the red (+) and black (-) wires.
- Consult the lighting control system troubleshooting guide.
- Contact Lutron Technical Support.

If the lights only stay at low-light level:

- Recheck wiring



Warranty

Lutron Electronics Co., Inc. One Year Limited Warranty

For a period of one year from the date of purchase, and subject to the exclusions and restrictions described below, Lutron warrants each new unit to be free from manufacturing defects. Lutron will, at its option, either repair the defective unit or issue a credit equal to the purchase price of the defective unit to the Customer against the purchase price of comparable replacement part purchased from Lutron. Replacements for the unit provided by Lutron or, at its sole discretion, an approved vendor may be new, used, repaired, reconditioned, and/or made by a different manufacturer.

If the unit is commissioned by Lutron or a Lutron approved third party as part of a Lutron commissioned lighting control system, the term of this warranty will be extended, and any credits against the cost of replacement parts will be prorated, in accordance with the warranty issued with the commissioned system, except that the term of the unit's warranty term will be measured from the date of its commissioning.

EXCLUSIONS AND RESTRICTIONS

This Warranty does not cover, and Lutron and its suppliers are not responsible for:

1. Damage, malfunction or inoperability diagnosed by Lutron or a Lutron approved third party as caused by normal wear and tear, abuse, misuse, incorrect installation, neglect, accident, interference or environmental factors, such as (a) use of incorrect line voltages, fuses or circuit breakers; (b) failure to install, maintain and operate the unit pursuant to the operating instructions provided by Lutron and the applicable provisions of the National Electrical Code and of the Safety Standards of Underwriter's Laboratories; (c) use of incompatible devices or accessories; (d) improper or insufficient ventilation; (e) unauthorized repairs or adjustments; (f) vandalism; or (g) an act of God, such as fire, lightning, flooding, tornado, earthquake, hurricane or other problems beyond Lutron's control.
2. On-site labor costs to diagnose issues with, and to remove, repair, replace, adjust, reinstall and/or reprogram the unit or any of its components.
3. Equipment and parts external to the unit, including those sold or supplied by Lutron (which may be covered by a separate warranty).
4. The cost of repairing or replacing other property that is damaged when the unit does not work properly, even if the damage was caused by the unit.

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TO MAKE A WARRANTY CLAIM

To make a warranty claim, promptly notify Lutron within the warranty period described above by calling the Lutron Technical Support Center at (800) 523-9466. Lutron, in its sole discretion, will determine what action, if any, is required under this warranty. To better enable Lutron to address a warranty claim, have the unit's serial and model numbers available when making the call. If Lutron, in its sole discretion, determines that an on-site visit or other remedial action is necessary, Lutron may send a Lutron Services Co. representative or coordinate the dispatch of a representative from a Lutron approved vendor to Customer's site, and/or coordinate a warranty service call between Customer and a Lutron approved vendor.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state. Some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.

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