



RESOURCES

SENSOR/WIRELESS CONTROL OPTIONS

® Contact customer service for questions or inquiries regarding sensors and control options

For EnOcean systems see page 3
For Lutron systems see page 4

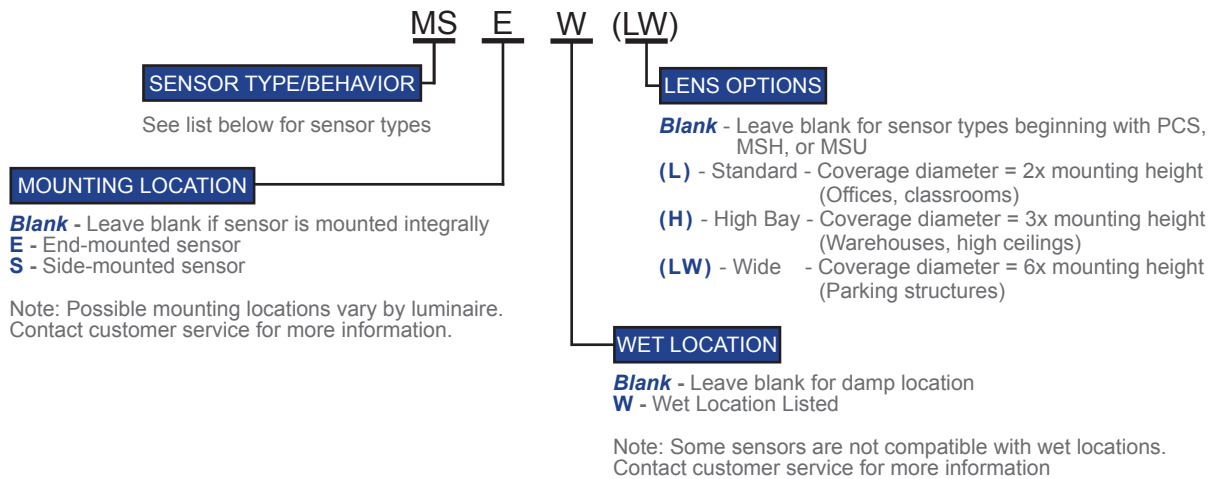
How to Order

Pre-installed components are ordered by adding the part number to the luminaire:

STW100-4-4L-FRWA-MSSDE(LW)-DRDM-UNV-1/840

Components marked with * are ordered separately

SENSOR OPTIONS



SENSOR TYPE/BEHAVIOR

PIR MOTION SENSORS

Uses passive infrared (PIR) technology to detect motion.

MS - PIR Motion Sensor – On/Off

- Turns luminaire on/off in response to motion

MSSD - PIR Motion Sensor – High/Low

- Increases/decreases illumination in response to motion

MSSDO - PIR Motion Sensor – High/Low/Off

- Turns luminaire on/off and increases/decreases illumination in response to motion

PHOTOCELLS

Senses ambient light levels. Typically used to hold luminaire OFF during daytime hours.

PCS - Photocell Sensor – On/Off

- Turns luminaire on/off in response to ambient light levels

PCS / SH - Photocell Sensor – On/Off with Light Shield

- Turns luminaire on/off in response to ambient light levels
- Includes adjustable Light Shield



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PIR MOTION SENSORS WITH PHOTOCELLS

Holds luminaire off when sufficient ambient light is present, responds to motion when light levels are low.

MSPC - PIR Motion Sensor with Photocell – On/Off

- Holds luminaire OFF when sufficient ambient light is present, regardless of motion
- When ambient light levels are low, turns light on/off in response to motion

MSPCSD - PIR Motion Sensor with Photocell – High/Low

- Holds luminaire OFF when sufficient ambient light is present, regardless of motion
- When ambient light levels are low, increases/decreases illumination in response to motion

MSPCSDO - PIR Motion Sensor with Photocell – High/Low/Off

- Holds luminaire OFF when sufficient ambient light is present, regardless of motion
- When ambient light levels are low, turns luminaire on/off and increases/decreases illumination in response to motion

MSPCDBT - PIR Motion Sensor with Photocell – High/Low – Bluetooth Programming

- Holds luminaire OFF when sufficient ambient light is present, regardless of motion
- When ambient light levels are low, increases/decreases illumination in response to motion
- Field-adjustable via Bluetooth® app. Please specify preferred sensor manufacturer.

MSPCDR - PIR Motion Sensor with Photocell – High/Low – Remote Programming

- Holds luminaire OFF when sufficient ambient light is present, regardless of motion
- When ambient light levels are low, increases/decreases illumination in response to motion
- Field-adjustable via remote. Please specify preferred sensor manufacturer.

HIGH FREQUENCY (MICROWAVE) MOTION SENSORS

Detects movement through low density materials, including polycarbonate, acrylic and glass diffusers.

MSH - Microwave Motion Sensor – On/Off

- Turns luminaire on/off in response to motion

MSHSD - Microwave Motion Sensor – High/Low

- Increases/decreases illumination in response to motion

MSHSDO - Microwave Motion Sensor – High/Low/Off

- Turns luminaire on/off and increases/decreases illumination in response to motion

ULTRASONIC MOTION SENSORS

Uses high frequency sound waves to detect motion behind walls, stairs, cubicles, and other obstructions.

MSU - Ultrasonic Motion Sensor – On/Off

- Turns luminaire on/off in response to motion

MSUSD - Ultrasonic Motion Sensor – High/Low

- Increases/decreases illumination in response to motion

MSUSDO - Ultrasonic Motion Sensor – High/Low/Off

- Turns luminaire on/off and increases/decreases illumination in response to motion

ULTRASONIC MOTION SENSORS WITH PHOTOCELLS

Holds luminaire off when sufficient ambient light is present, responds to motion when light levels are low.

MSUPCDBT - Ultrasonic Motion Sensor with Photocell – High/Low – Bluetooth Programming

- Holds luminaire OFF when sufficient ambient light is present, regardless of motion
- When ambient light levels are low, increases/decreases illumination in response to motion
- Field-adjustable via Bluetooth® app. Please specify preferred sensor manufacturer.



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EnOcean

Sustainable IoT

WIRELESS CONTROLS

How to Order

Pre-installed components are ordered by adding the part number to the luminaire:

GHL320-4-4L-FSW-PA- WLC(LED RU) -DRDM-UNV-2/840

Components marked with * are ordered separately

Zone Controller

WLC(LED RU) - LED Relay Zone Controller

- Pre-installed inside luminaire
- Can support a single luminaire or multiple daisy-chained luminaires
- Can be ordered separately. Contact Customer Service.

Commissioning Tool

***NWC500U** - Navigan NWC 500U

- Wireless commissioning tool used to configure EnOcean controllers, sensors, and switches
- Includes NWC500U USB stick for device connectivity

Switches

***ESRPU-W-EO** - Rocker Switch - Single - Surface Mount

- Wireless single rocker switch with mounting plate
- Harvests kinetic energy- no battery required

***EDRPU-W-EO** - Rocker Switch - Double - Surface Mount

- Wireless double rocker switch with mounting plate
- Harvests kinetic energy- no battery required

Sensors

***EOSWU-W-EO** - Occupancy Sensor - Wall Mount

- Wireless wall-mounted occupancy sensor
- Solar powered - no batteries required in normal conditions (Back up coin battery provided for low light conditions)
- PIR motion sensor with both wide angle (50ft) and long range (100ft) options
- Mounting height: 6-8ft

***EOSCU-W-EO** - Occupancy Sensor - Ceiling Mount

- Wireless ceiling-mounted occupancy sensor
- Solar powered - no batteries required in normal conditions (Back up coin battery provided for low light conditions)
- PIR motion sensor with 360° viewing angle lens (34' diameter)
- Mounting height: 7-10ft

***ELLSU-W-EO** - Light Level Sensor - Ceiling Mount

- Measures and reports available natural light levels
- Solar powered - no batteries needed (coin battery operated in low light conditions)
- Mounting position: At the ceiling, close to ambient light source



WLC(LED RU)
LED Relay Zone Controller



ELLSU-W-EO
Light Level Sensor - Ceiling Mount



EDRPU-W-EO **ESRPU-W-EO**
Rocker Switches - Single/Double

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WIRELESS CONTROLS

Vive Systems

Vive PowPak Wireless Fixture Controls

WLC(FCJS0) - PowPak Wireless Fixture Control

- RF only. For use with 0-10V drivers.
- One fixture control per luminaire, typically end-mounted via 1/2" KO.

WLC(FCJS0S) - PowPak Wireless Fixture Control with Sensor

- RF with daylight/occupancy sensing. For use with 0-10V drivers.
- One fixture control per luminaire, typically end-mounted via 1/2" KO.
- Sensor must be installed separately.

WLC(FCJSE) - PowPak EcoSystem Wireless Fixture Control

- RF only. For use with Lutron EcoSystem drivers.
- One fixture control per luminaire, typically end-mounted via 1/2" KO.

WLC(FCJSES) - PowPak EcoSystem Wireless Fixture Control with Sensor

- RF with daylight/occupancy sensing. For use with Lutron EcoSystem drivers.
- One fixture control per luminaire, typically end-mounted via 1/2" KO.
- Sensor must be installed separately.

Vive PowPak Sensors

*FC-SENSOR - PowPak Occupancy/Daylight Sensor

- For luminaires with existing PowPak Wireless Fixture Controls.
- Turns luminaire ON/OFF based on motion. Adjusts lumen output in response to ambient light.
- Recommended mounting height: 8-12ft

*FC-VSENSOR - PowPak Vacancy/Daylight Sensor

- For luminaires with existing PowPak Wireless Fixture Controls.
- Turns luminaire OFF when area is vacant. Adjusts lumen output in response to ambient light.
- Recommended mounting height: 8-12ft.

Vive Integral Fixture Controls

WLC(VRF) - Vive Integral Wireless Fixture Control

- RF only. Requires controls-ready driver.
- One fixture control per luminaire, mounting location varies by luminaire.

WLC(VDO) - Vive Integral Wireless Fixture Control

- RF, plus daylight/occupancy sensing. Requires controls-ready driver.
- One fixture control per luminaire, mounting location varies by luminaire.
- Turns luminaire ON/OFF based on motion. Adjusts lumen output in response to ambient light.
- Coverage area at 9ft mounting height: Up to 300 sq.ft for major motions; 150 sq.ft. for minor motions.

How to Order

Pre-installed components are ordered by adding the part number to the luminaire:

GHL320-4-4L-FSW-PA- WLC(FCJS0) -DRDM-UNV-2/840

Components marked with * are ordered separately

Athena Wireless Nodes

Requires Athena-compatible drivers and Clear Connect Gateway - Type X

WLC(AWNR-WH) - Wireless Node (White)

- RF communication node. One per luminaire, integrally mounted.

WLC(AWNS-WH) - Wireless Node (White) with Sensor

- RF, plus daylight/occupancy sensing. One per luminaire, integrally mounted.

WLC(AWNR-BL) - Wireless Node (Black)

RF communication node. One per luminaire, integrally mounted.

WLC(AWNS-BL) - Wireless Node (Black) with Sensor

- RF, plus daylight/occupancy sensing. One per luminaire, integrally mounted.



WLC(AWNR-WH)
Athena Wireless Node



WLC(FCJS0)
PowPak Wireless Fixture Control



FC-SENSOR
PowPak Occupancy/Daylight Sensor



WLC(VDO)
Vive Integral Wireless Fixture Control

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