



Shown above: Wired, ceiling-mount dual technology sensor in White (LOS-CDT-2000-WH)

Features and capacities

- Sensors can integrate into Lutron system or function as stand-alone control using wired power pack
- Affords choice of turning lights off or dimming to preset level in unoccupied state when integrated into Lutron system
- Models available in ultrasonic, passive infrared, or dual technology
- Dual technology sensors are self-adaptive to automatically adjust sensitivity and timing
- Coverages available from 450 ft²–2000 ft² (137 m²–610 m²) mounted at 8 ft to 12 ft (2.4 m–3.6 m) from floor

- 360° and 180° field-of-view models available
- Models available with an additional dry contact closure output
- Available in White (WH)
- For indoor use only, temperature: 32 °F–104 °F (0 °C–40 °C)

Dimensions and mounting

- Width: 4.50 in (114 mm)
Depth: 1.40 in (38 mm)
- Snap-locks to ceiling-mounted cover plate

Communication and wiring

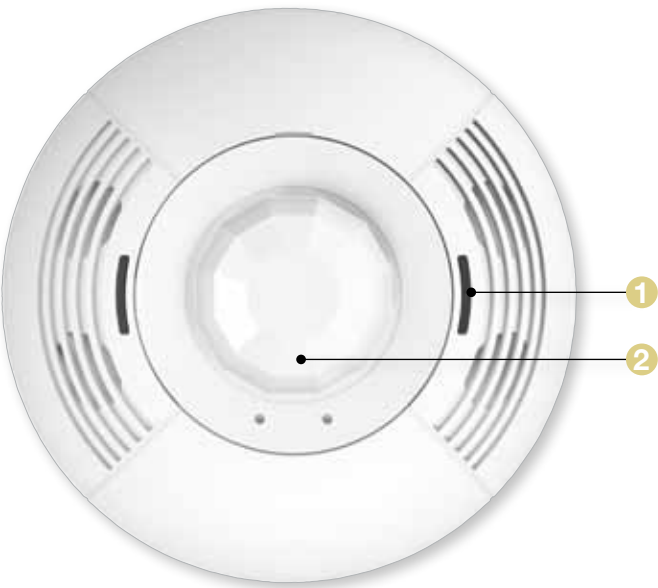
- 20–24 V DC
- Connects to system via low-voltage IEC PELV/NEC Class 2 wiring through contact closure inputs or directly to an EcoSystem® ballast or module (with sensor inputs), QS sensor module, Energi Savr Node™ module, or GRAFIK Eye® QS main unit
- Uses two power draw units on the QS link when connected to the QS sensor module; power draw calculations are not needed for inputs connected directly to the Energi Savr Node module, GRAFIK Eye QS main unit, or EcoSystem ballast/module
- Power pack required for stand-alone control, when more than one sensor is connected to an occupancy sensor input or when sensor is connected to the system via contact closure interface
- The QS link can have up to 100 occupancy sensors; each LOS-C series occupancy sensor counts as one occupancy sensor toward the limit

[Download specification submittal for LOS-CIR Series](#)

[Download specification submittal for LOS-CDT Series](#)

[Download specification submittal for LOS-CUS Series](#)

Explanation of features



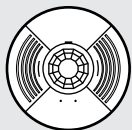
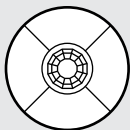
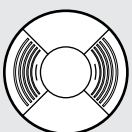
Features

1 Green LED	• Indicates when ultrasonic motion is detected
2 Red LED	• Indicates when infrared (IR) is detected

Wired ceiling-mount dual technology sensor



Available models

Dual technology
occupancyPassive infrared
occupancyUltrasonic
occupancy

Model numbers

Wired, ceiling-mount occupancy sensors

Dual technology

2,000 ft ² (610 m ²), 360°	LOS-CDT-2000-WH
Additional contact closure	LOS-CDT-2000R-WH
1,000 ft ² (305 m ²), 180°	LOS-CDT-1000-WH
Additional contact closure	LOS-CDT-1000R-WH
500 ft ² (152 m ²), 180°	LOS-CDT-500-WH
Additional contact closure	LOS-CDT-500R-WH

Ultrasonic

2,000 ft ² (610 m ²), 360°	LOS-CUS-2000-WH
1,000 ft ² (305 m ²), 180°	LOS-CUS-1000-WH
500 ft ² (152 m ²), 180°	LOS-CUS-500-WH

Passive infrared

1,500 ft ² (457 m ²), 360°	LOS-CIR-1500-WH
450 ft ² (137 m ²), 360°	LOS-CIR-450-WH

Compatible with GRAFIK Eye® QS and
Energi Savr Node™ systems.

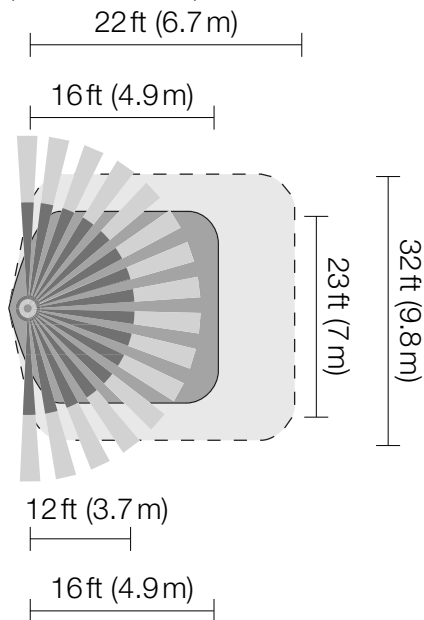
Dual technology sensor coverage chart

LOS-CDT models (3 models available)

Top view/Plan view

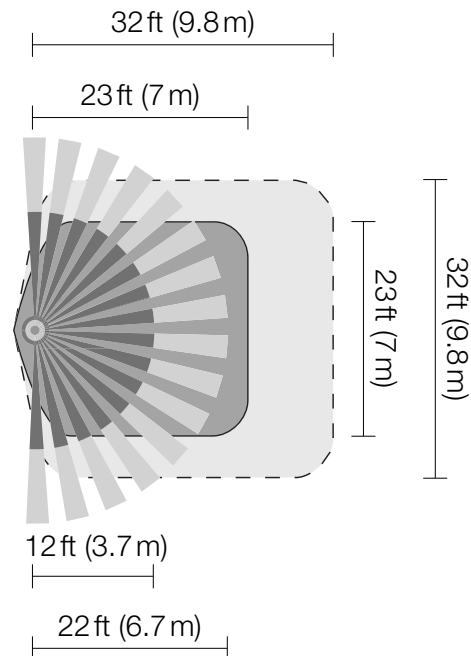
500ft² (152m²) coverage

(LOS-CDT-500)



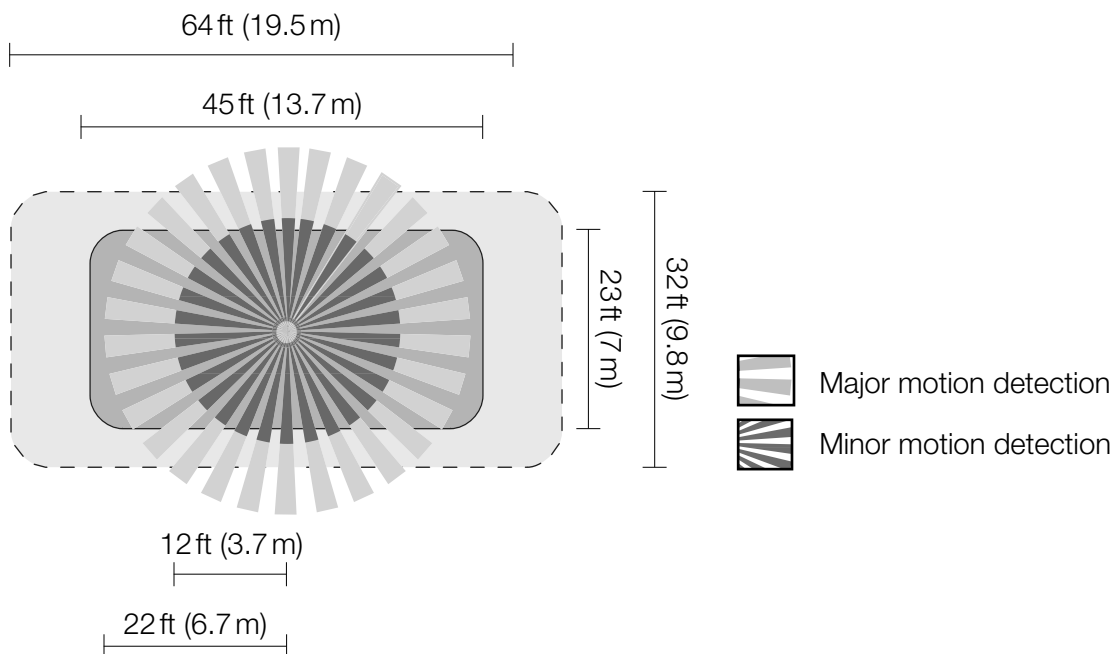
1000ft² (305m²) coverage

(LOS-CDT-1000)



2000ft² (610m²) coverage

(LOS-CDT-2000)



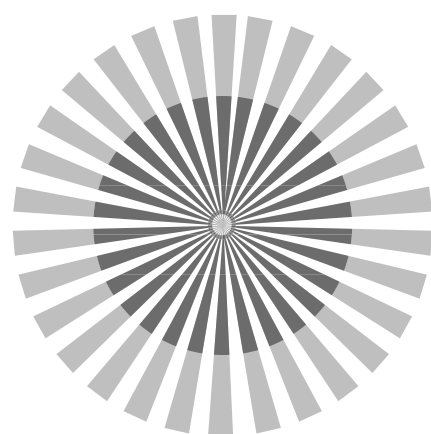
Passive infrared sensor coverage chart

LOS-CIR models (2 models available)

Top view/Plan view

450 ft² (137 m²) coverage

(LOS-CIR-450)

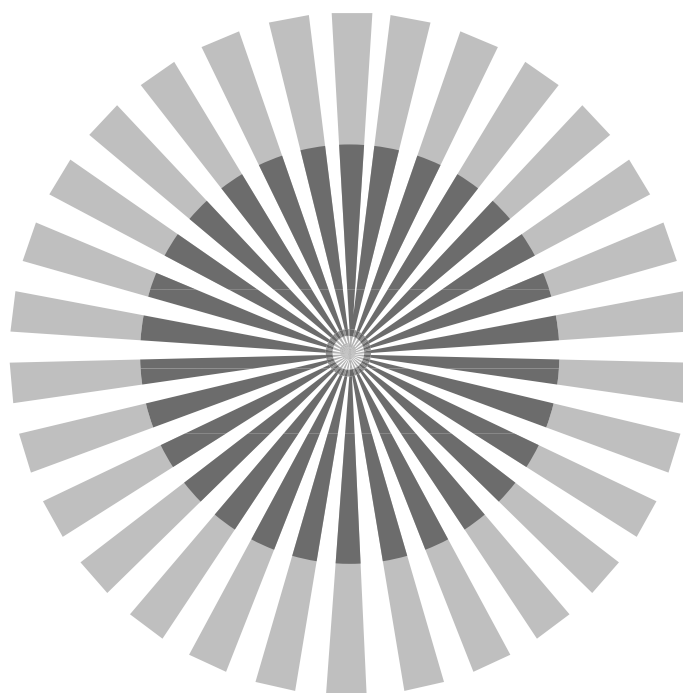


6.5 ft (1.9 m)

12 ft (3.7 m)

1500 ft² (457 m²) coverage

(LOS-CIR-1500)



12 ft (3.7 m)

22 ft (6.7 m)



Major motion detection

Minor motion detection

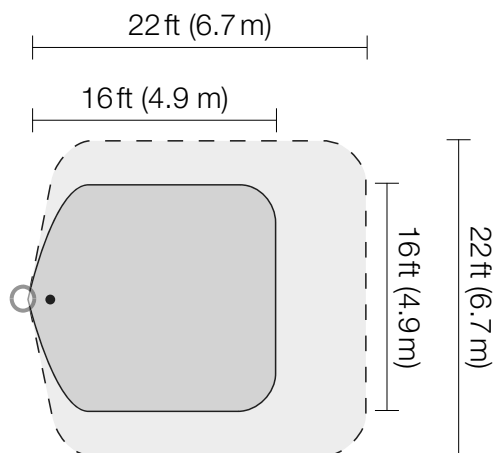
Ultrasonic sensor coverage chart

LOS-CUS models (3 models available)

Top view/Plan view

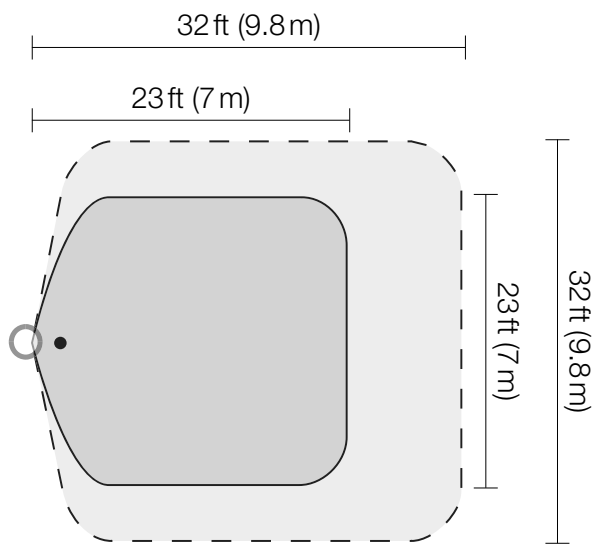
500ft² (152m²) coverage

(LOS-CUS-500)



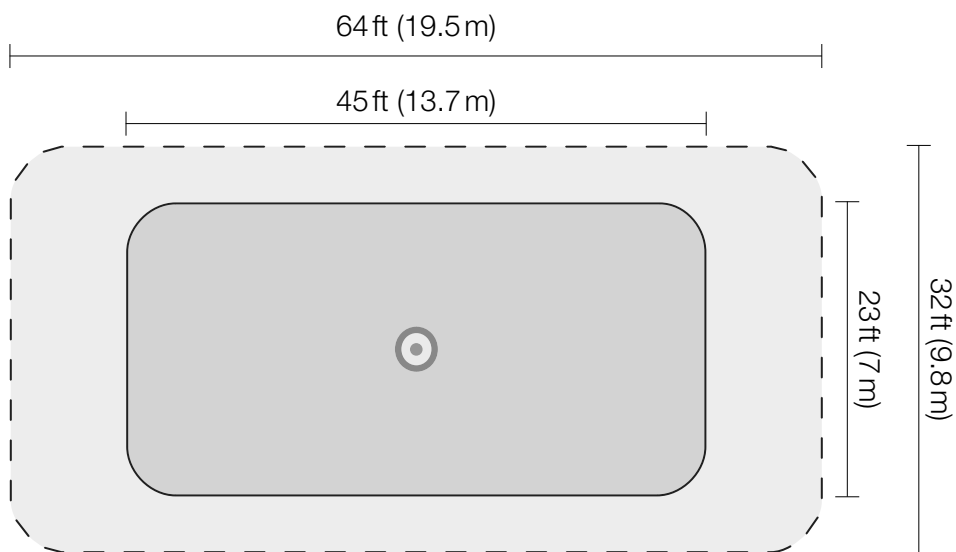
1000ft² (305m²) coverage

(LOS-CUS-1000)



2000ft² (610m²) coverage

(LOS-CUS-2000)



-  Major motion detection
-  Minor motion detection