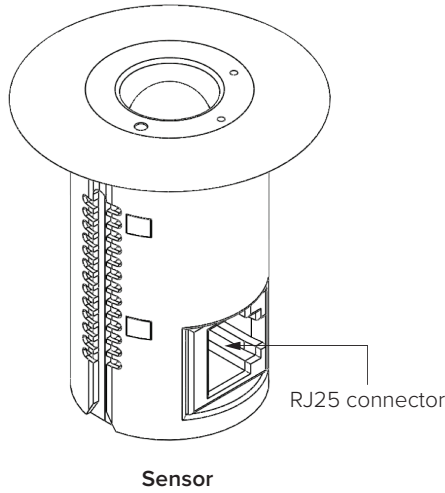
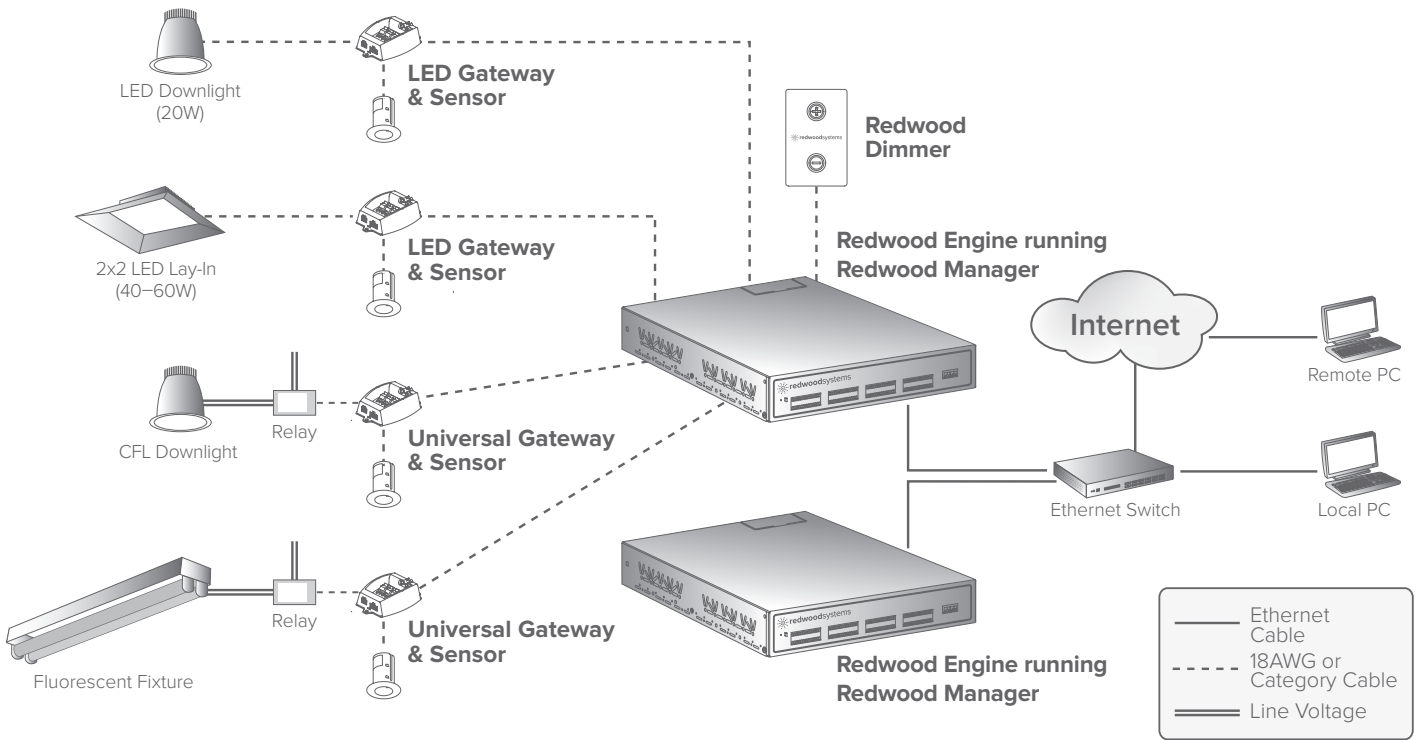


# Redwood Sensor

The Redwood Sensor collects data on light levels, temperature and motion. The Redwood Sensor is easily installed in the ceiling tile or junction box near the fixture. The Sensor communicates with a Redwood Gateway via pre-terminated RJ25 connectors to send information to the Redwood Engine.



## Redwood Building-Performance Lighting Platform



Project name

Project number

Date

## Redwood Sensor Specifications

### MECHANICAL

- Dimensions: 1" (25.4 mm) Inner Diameter X 1.8" (45.7 mm) H X 1.6" (40.6 mm) Outer Diameter
- Weight: 0.25lbs (0.11kg)
- For indoor use only
- Operating temp: 32°F to 122°F; 0°C to 50°C
- Storage temp: -4°F to 140°F; -20°C to 60°C
- Operating Humidity: 10% to 80% RH non-condensing
- Storage Humidity: 5% to 95% RH non-condensing

### ELECTRICAL / DATA

- Input / Output to Redwood Gateway: RJ25 connector
- Power Consumption
  - Maximum: 10mW
- Sensor capabilities:
  - Light level sensor for daylight harvesting functionality
  - Ambient temperature sensor
    - Accuracy: +/- 1.8°F (+/- 1°C)
    - Range: 32°F to 122°F (0°C to 100°C)
  - Passive Infrared (PIR) sensor for motion detection

### COMPLIANCE

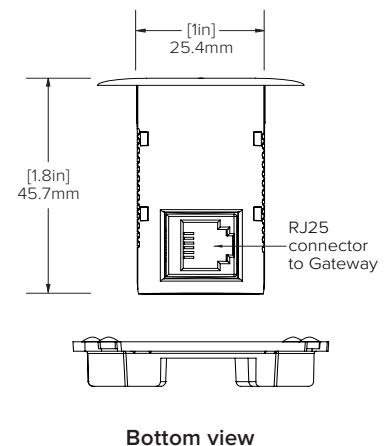
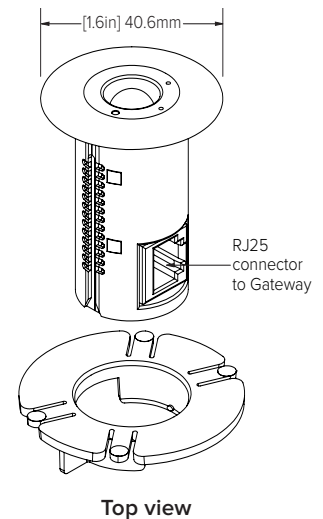
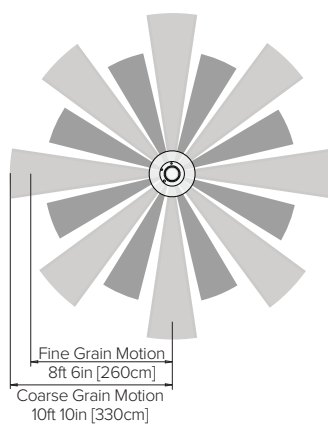
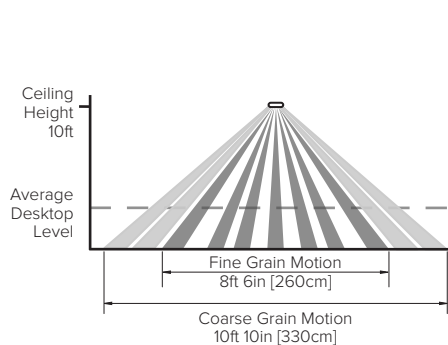
- Class 2 electrical device
- Designed for California Title 24-2008 compliance
- UL2043, UL8750, and UL60950
- UL/CUL listed
- FCC Class A Part 15
- CE Compliant
- RoHS compliant
- Made in the U.S.A.

*Please consult with a Redwood representative for detailed project specification.*

### COVERAGE PATTERN DIAGRAMS

The motion coverage pattern diagrams of the Redwood Sensor are included below. These assume that a Sensor is installed in a drop ceiling that is

10 feet (305cm) in height; the following diagrams illustrate the expected motion sensing coverage for each Redwood Sensor.



SKUs  
RS-2G – MTL (motion, temperature, light)