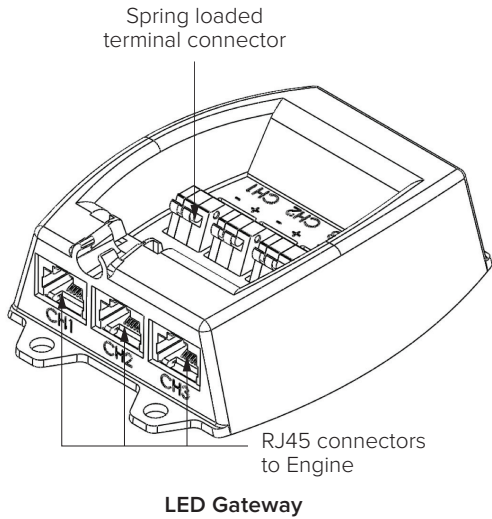
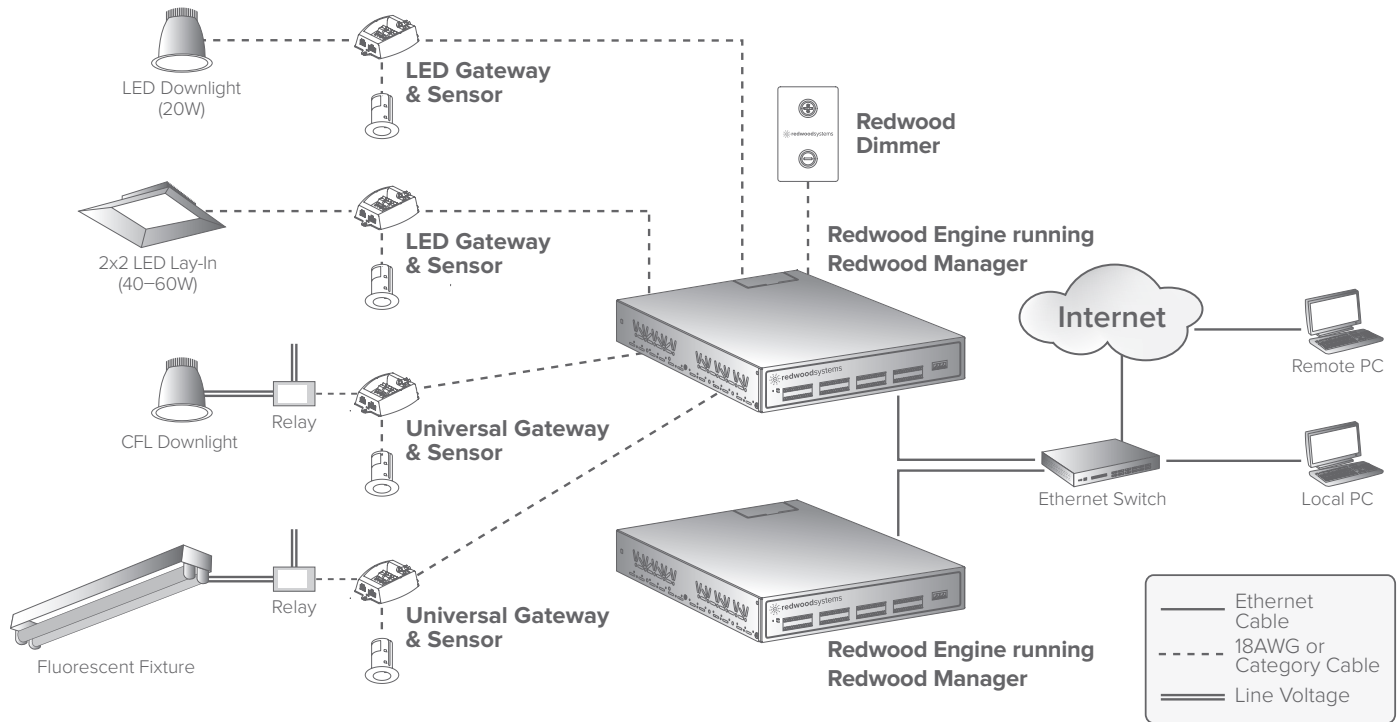


Redwood LED Gateway



The Redwood LED Gateway controls and dims Redwood Ready third-party LED fixtures. The Gateway is installed on or next to each fixture and communicates with and is powered by the Redwood Engine via low-voltage cable. The Gateway connects to the Redwood Sensor which contains a set of environmental data collectors that detect light level, temperature and motion, transmitting this data back to the Redwood Engine. The Gateway accepts standard category 5e, 6 or 6a cable via RJ45 connectors or 18AWG via pre-terminated springs. The Gateway uses one, two or three "channels" to deliver power from the Redwood Engine to the LED fixture depending on the fixture's wattage requirements. Each channel provides up to 20 watts.

Redwood Building-Performance Lighting Platform



Project name

Project number

Date

Redwood LED Gateway Specifications

MECHANICAL SPECIFICATIONS

- Dimensions: 3" (76.2 mm) W X 1.2" (30.5 mm) H X 4.2" (106.7 mm) D
- 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

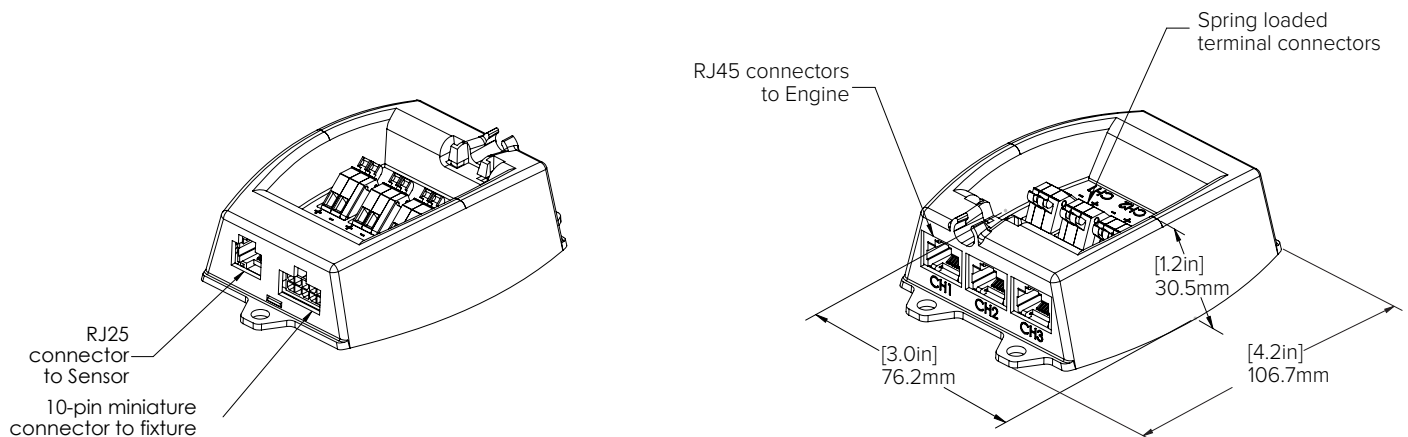
ELECTRICAL / DATA SPECIFICATIONS

- Input / Output to Redwood Engine: Up to 3 channels via either one RJ45 connector per channel, or two 18 AWG, field terminated, 2 conductor unshielded cables per channel
- Input / Output to Redwood Sensor: RJ25 connector
- Output to fixture: 10-pin miniature connector
- Transfers up to 60W to fixture (20W per channel nominal)
- Nominal standby power consumption: 500mW

COMPLIANCE

- Class 2 electrical device
- Designed for California Title 24-2008 compliance
- FCC Class A Part 15
- UL2043
- CE Compliant
- RoHS compliant
- Made in the U.S.A.

Please consult with a Redwood representative for detailed project specification.



Redwood LED Gateway dimensions and connectors

SKU
RG-2G-LED – xxxxxxxx (fixture specific option)