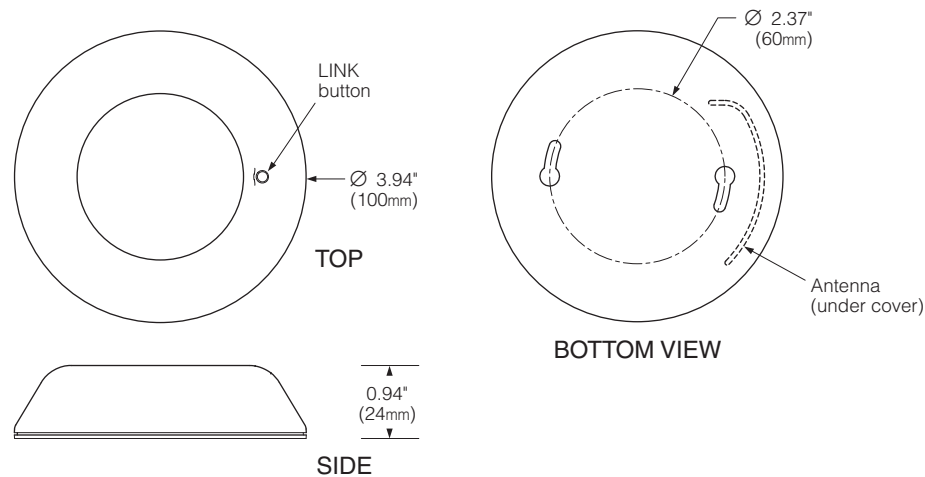


Dimensions



Overview

The **CLS-EN-02** daylight sensor is a battery free, wireless device that harvests solar energy via two integral photovoltaic cells to generate its own power. The sensor easily operates in low light conditions and requires no hardwired electrical connection – simplifying both installation and commissioning. It can be easily moved or repositioned as field conditions or changes in the space necessitate, ensuring maximum flexibility now and in the future.

In combination with The Lighting Quotient controllers, including CLC dimming controllers and CCH hubs, the **CLS-EN-02** daylight sensor delivers a straightforward and effective daylight harvesting solution. The sensor monitors interior light levels and wirelessly transmits light level signals to any number of controllers within range as daylight is detected. In turn, each controller automatically switches or dims lights based on its configurable set point. The **CLS-EN-02** sensor also doubles as a commissioning tool for adjusting the set point of each linked controller.

To order:

CLS-EN-02-WH-0 Wireless daylight sensor

Features

- **Self powered** – no wiring or batteries needed.
- **Simple installation** – no special tools or hardware required.
- **Reconfigurable** – easily repositioned as space or furniture layouts change.
- **Smart** – embedded firmware ensures accurate light level feedback to daylight harvesting controllers and simplified commissioning.
- **Maintenance free** – no batteries to replace or electrical wires to service.
- **Flexible** – designed for open plan offices, private offices, and similar spaces.
- **Sustainable** – no electrical power, wiring, batteries or maintenance; reconfigurable; long product life delivers significant savings for many years to come.

Specifications

- Power supply:** Integral solar cell.
- Initial charge operation:** 5 minutes at 4 footcandles (40 lux).
- Operational light level:** 4 footcandles (40 lux) minimum.
- Charging time:** 6 hours at 20 footcandles (200 lux).
- Full charge operation:** 24 hours.
- Communications:** 902 MHz EnOcean® radio.
- Sensitivity range:** 1-100 footcandles.
- Transmission range:** 75ft indoor (23m).
- Transmission interval:** 10-110 seconds depending on light and charge level.
- Mounting:** Surface mount via double-sided tape or screws by others.
- Operating temperature:** -13°F to 145°F (-25°C to 65°C).
- Relative humidity:** 5% to 95% RH (non-condensing).
- Weight:** 2.6 oz. (74 grams).
- Dimensions:** 3.94" diameter x 0.94" height (100mm x 24mm).
- Agency listing:** FCC, IC.
- Warranty:** 2 years.



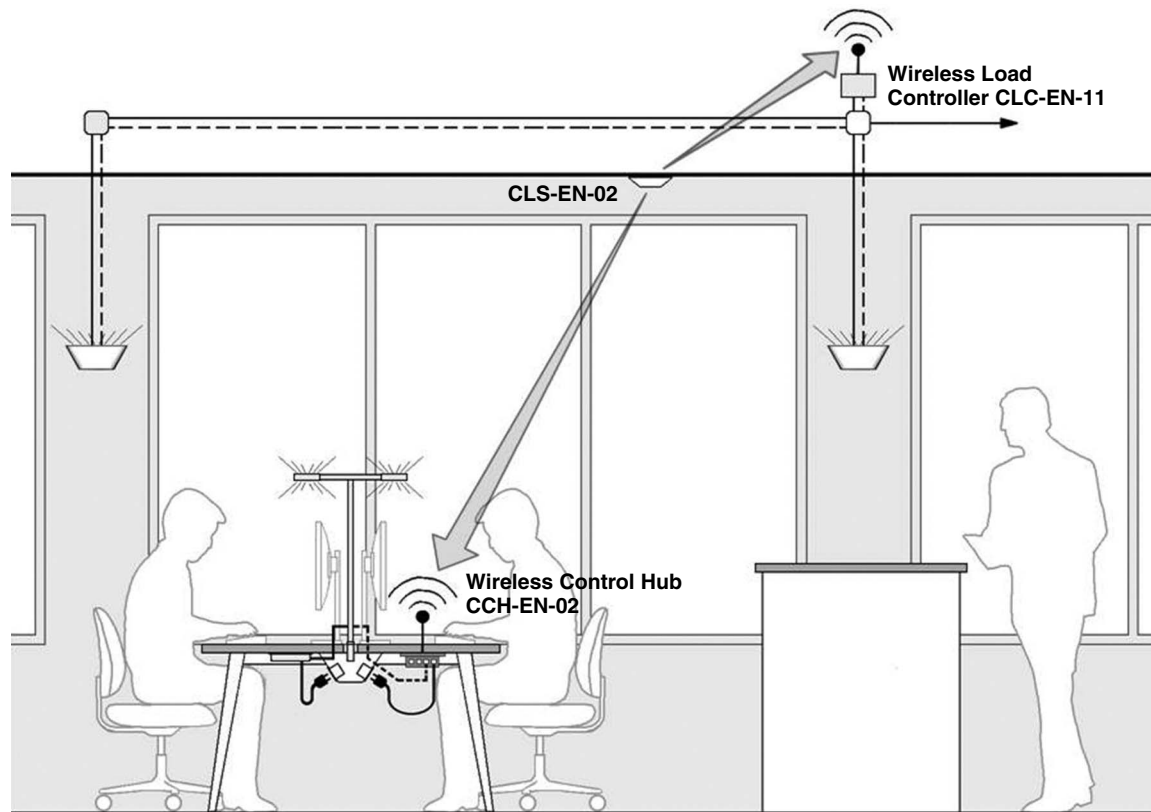
THE LIGHTING QUOTIENT™

114 Boston Post Road, West Haven, Connecticut 06516, USA
 Voice 203.931.4455 • Fax 203.931.4464 • thelightingquotient.com

Certain products illustrated may be covered by applicable patents and patents pending. These specifications supersede all prior publications and are subject to change without notice. Copyright © 2016 Sylvan R. Shemitz Designs, LLC, all rights reserved.

Typical Application

Use **CLS-EN-02** to report daylight conditions to **CLC-EN-11** wireless dimming controllers and **CCH-EN-02** wireless control hubs for automatic daylight response dimming of hardwired lighting and portable **tambient** luminaires installed in proximity to exterior windows and skylights. For daylight response switching of non-dimming luminaires, use **CLS-EN-02** with **CLC-EN-06** wireless switching controllers.



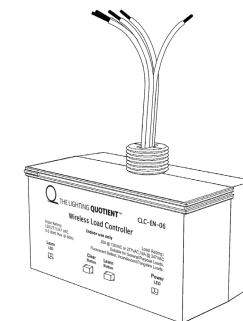
Compatible Devices

Note: Devices pictured are not precisely in scale to each other.

Wireless Load Controller

CLC-EN-06
20A 120/277V wireless switching controller

CLC-EN-11
20A 120/277V wireless switch/dim controller with 0-10V dimming



Wireless Control Hub

CCH-EN-02
Manual-ON/auto-OFF hub with auxiliary dimming output

