NLCCS107DB1

Line Voltage Dual-Tech Ceiling Sensor

Project

Catalog

Type

Date

Product Description

The NLCCS107DB1 is a line-voltage, Bluetooth dual-tech occupancy sensor that combines PIR and ultrasonic technologies to provide high accuracy and wide coverage. It also features integrated daylight harvesting. Commissioning via the NICOR NLC app allows the sensor to turn a load on and hold it on if either or both technologies detect movement. Setup and commissioning requires the NICOR NLC mobile app (IOS and Android compatible).

Construction
- Made of fire retardant plastic (UL 94-5VA)
- Indoor use only
- IP20
- Color: White

Network Technology
- Bluetooth Low Energy (BLE) 5.0 with mesh networking
- Bluetooth range: up to 200 ft (line of sight)
- Commissioned via NICOR NLC app (iOS and Android compatible)
- UL1376 Cyber Security Certification
- Commissioned via NICOR NLC app (IOS and Android compatible)

Electrical
- Input voltage: 120-277 VAC, 50/60 Hz
- Output Current: 6 A max @ 120 VAC, 6 A max @ 277 VAC
- Sinking Current: 48.5 mA
- Operating Temperature: 0°C to 55°C (32°F to 131°F)
- Storage Temperature: -30 °C to 85 °C (-22 °F to 185 °F)
- Dual-channel 0-10V dimming/CCT control

Mounting and Installation
- Ceiling-mounted occupancy sensor
- Sensor mounts to the ceiling and connects directly to line voltage wiring
- 4" octagonal ceiling box.

Listings
- cULus Listed (E504054)
- UL1376
- UL8750
- DLC NLC5
- RoHS Compliant

Warranty
- 5-year limited system warranty standard
- Warranty does not cover product failure due to an overvoltage event (power surge)





Ordering Information

Part Number	Description
NLCCS107DB1	**Line Voltage Dual-Tech Ceiling Sensor, (Dual-channel dimming for color tuning (CCT)) with Daylight Harvesting**

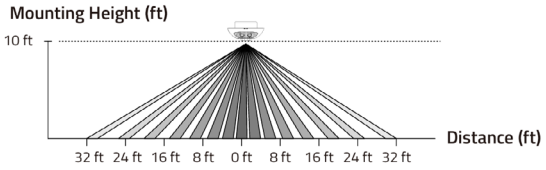
Specifications and dimensions subject to change without notice. Please refer to the website for the most up-to-date information.

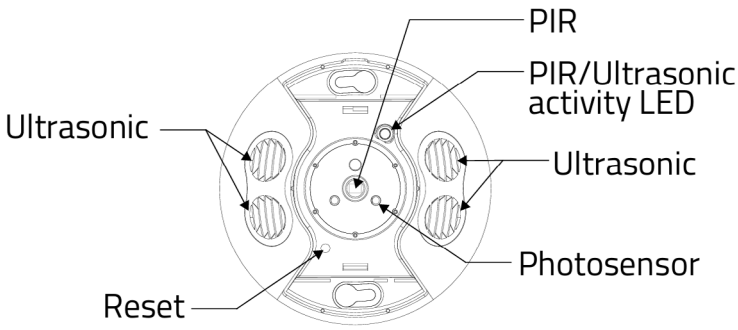
Performance Data

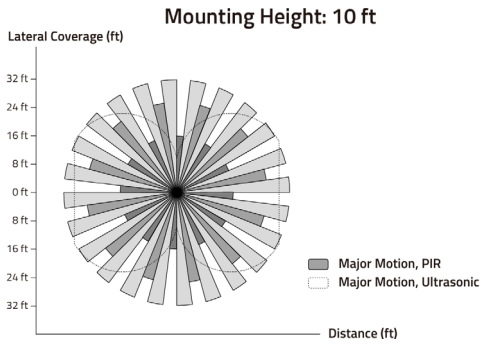
Default Factory Settings	
PIR Sensitivity	High
Ultrasonic Sensitivity	Middle
Triggered by	PIR or Ultrasonic
Hold On by	PIR or Ultrasonic
Full Brightness Time Delay	20 minutes

NLCCS107DB1 Mounting Height: **10 ft**

Designed for mounting height 10 ft, with detection range up to 32ft when mounted at 10ft.







Download the NICOR NLC App

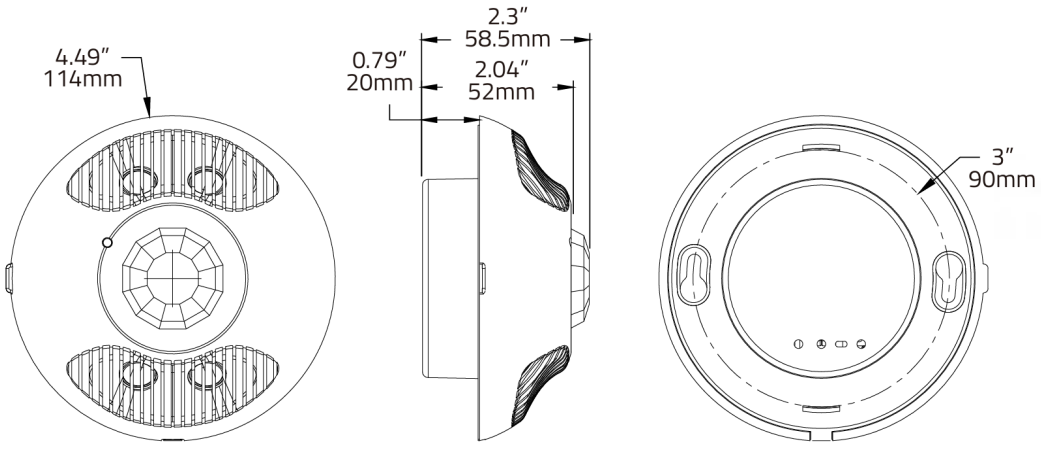
GET IT ON Google Play

Download on the App Store

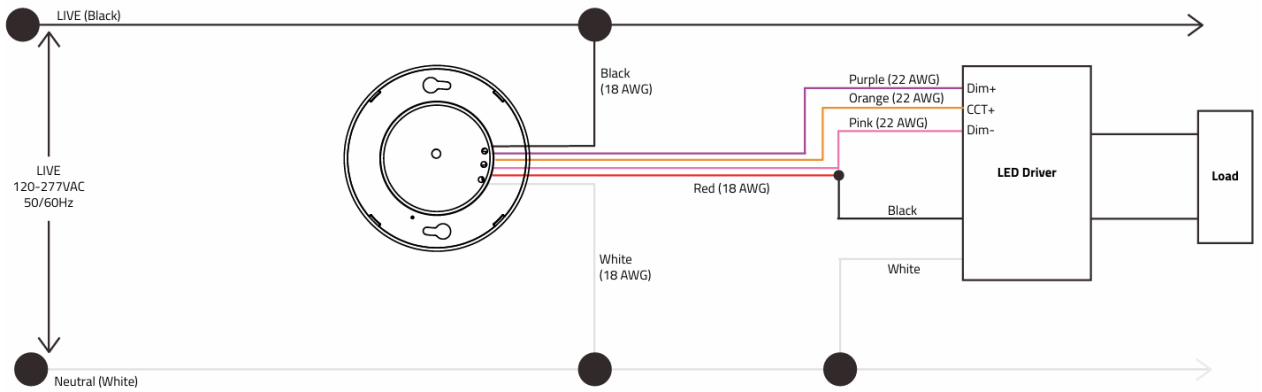
Scan QR code or click on buttons to download the NICOR NLC App. NICOR NLC App will need access to network and Bluetooth. Accept prompt to allow access to photos for QR codes to be automatically saved in your album.

For more information check our **NICOR NLC Commissioning Guide.**
(https://nicorlighting.com/NLC/NLC%20Commissioning%20Guide.pdf)

Dimensions



Wiring Diagram



This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.
NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
—Reorient or relocate the receiving antenna.
—Increase the separation between the equipment and receiver.
—Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
—Consult the dealer or an experienced radio/TV technician for help.