

NLCSPCW

Ceiling Mount Sensor

Product Description

The NLCSPCW is a low-voltage Bluetooth wireless PIR/Daylight sensor designed for the NICOR NLC System, making it perfect for your Luminaire Level Lighting Controls (LLCs) needs. Constructed from the highest-rated fire retardant material, this sensor offers easy installation and use, providing 360° coverage at heights up to 15ft. With long-term flexibility, better occupant experience, and cost efficiency compared to non-controlled fixtures, the NLCSPCW is an ideal choice for indoor office spaces. Setup and commissioning requires the NICOR NLC mobile app (iOS and Android).

Construction

- Made of fire retardant plastic (UL 94-5VA)
- IP20

Network Technology

- Bluetooth Low Energy (BLE) 4.2 / 5.0 with mesh networking
- Bluetooth range: up to 100ft (line of sight)
- Commissioned via NICOR NLC app (iOS and Android compatible)
- UL1376 Cyber Security Certification

Electrical

- Input voltage: 12V
- Operating temperature rating: -22°F to 131°F (-30°C to 55°C)

Mounting and Installation

- For NICOR Commercial Downlight
- Must be paired with 12VDC output drivers or with NLCPS1
- Use the NLCPSMOUNT1 for recessed ceiling mount.
- Must only be used for dim-to-off or 0-10V fixture; do not use a control/Bluetooth relay

Listings

- cULus Listed LED Controller E504054
- UL8750
- DLC NLC5 listed
- RoHS compliant

Warranty

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

Product Information

Input Voltage (V):	12V DC
Output Power(W):	0.1 W
Sinking Current (A):	8mA Max
Dimming:	Class 2, 0-10V
Wireless Protocol	Bluetooth 4.2
Wireless Frequency (GHz)	2.4 GHz
Wireless Range (Open Air)	100ft Max

Ordering Information

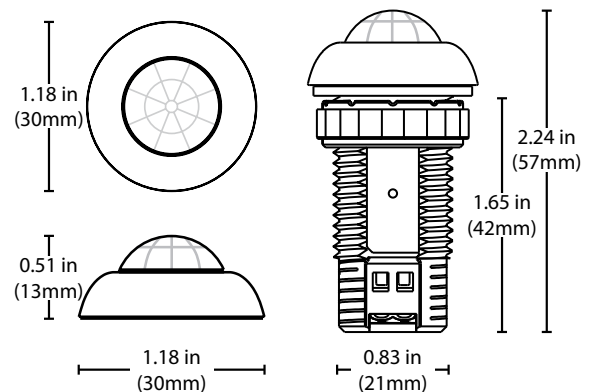
Series	Product	Sensor Type	Mounting Type	Connector Type	Version	Finish
NLC	S (Sensor)	P (PIR)	C (Ceiling Mount)	W (Wired)	1 (Standard Bluetooth)	WH (White)

Project

Catalog

Type

Date



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

Motion Mode	Occupancy
Motion sensor	ON
Photo sensor	OFF
Hold time	20 min
Standby time	1 min
Dim level	50%
Sensitivity	100%
High Trim	100%

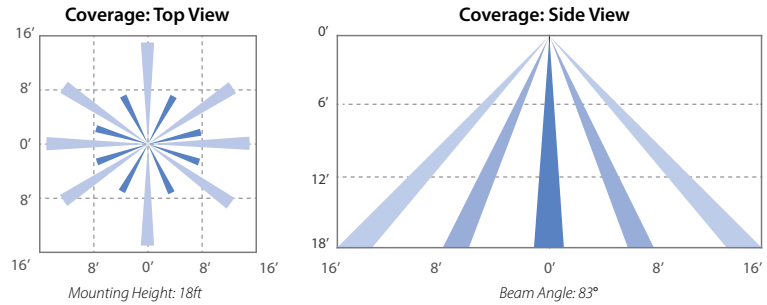
Note: Photo Sensor's default ON mode will be minimum of 50 fc and maximum of 150 fc.

NLCSPCW1WH - Medium Mount

Mounting Height: **up to 18ft**

Designed for mounting height between up to 18 ft, with coverage area upto 40ft in diameter when mounted at 18ft.

Application: 360° coverage, suitable for open area and aisleway coverage in high bay application.



Accessories*

*accessories sold separately

NLC 12V Power Supply	NLCPS1
SPC Ceiling Mount	NLCSPCMOUNT1
6.5ft Plenum rated Sensor Cable	NLCSC1WH



NLCPS1



NLCSPCMOUNT1



NLCSC1WH

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.

NICOR, LLC. 2200 Midtown Place NE, Albuquerque, NM 87107 P: 800.821.6283 F: 800.892.8393

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