DNS360LB-CR-PIR-ZGBMNS

Multifunction Sensor - Wireless

Specification Sheet

Sensors > Low Bay



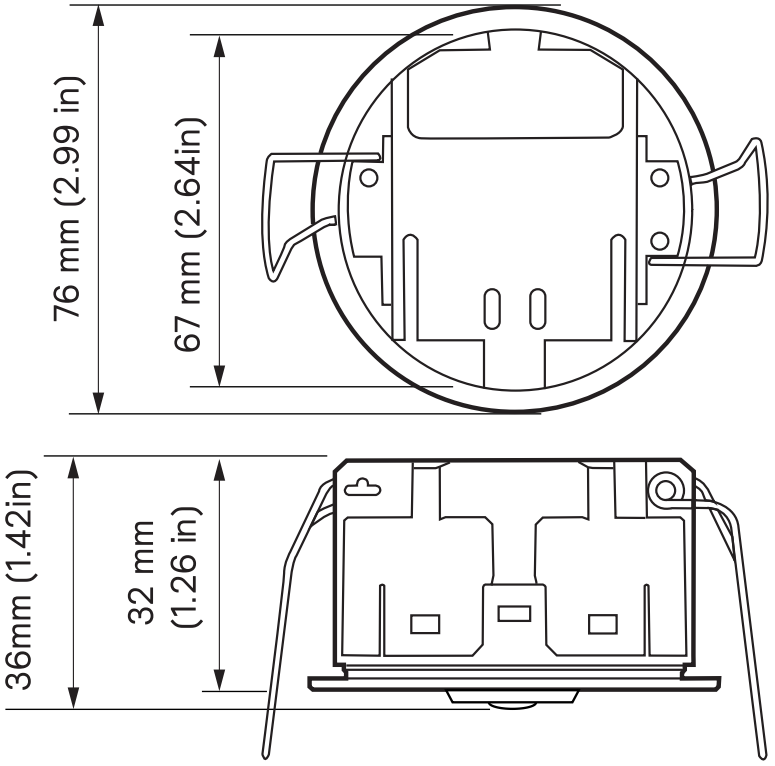
Mains-powered wireless 360° ceiling sensor

The Dynalite DNS360LB-CR-PIR-ZGBMNS is a recess-mounted 360° multifunction sensor that combines PIR motion detection and lux level detection. This mains-powered sensor connects wirelessly to the Dynalite system via the PDZG-E Zigbee gateway.

Key Features

- **Motion detection feature** – Adjusts lighting in response the presence or absence of motion.
- **Segmented click-up bezel** – Surrounds the motion sensor element and enables a portion of the sensing field to be masked. This prevents nuisance detection from adjacent doorways or corridors.
- **Ambient light level regulation** – In applications where precise, consistent lighting is critical, the PE function measures ambient levels and adjusts artificial light accordingly.
- **Wireless operation** – Connects seamlessly to the Dynalite system via 2.4GHz Zigbee mesh networking.
- **Mains powered** – Easy installation and wiring.

Dimensions



Specifications

Electrical

Supply Voltage	220-240 VAC 50/60Hz
Supply Current	1.09 mA
IEC Overvoltage Category	II ???

Motion Detection (PIR)

Sensor	Passive infrared
NOTE:	PIR detection requires a temperature difference between the subject and background surfaces of at least 4°C (7.2°F)

Light Detection (PE)

Lux Range	1-2,000 lux

Control

Supported Protocols	Zigbee Bluetooth
User Controls	Infrared (RC5 IR remote control) 1 x hardware reset switch
Indicators	1 x motion LED (red) 1 x vacant LED (green)

Wireless Connectivity

Protocols	BLE Zigbee
Frequency	2400-2483.5 MHz (IEEE 802.15.4)
Antenna Type	Internal
Range	**Zigbee:** 15 m (line of sight) **Bluetooth:** 10 m (line of sight)

Physical

Dimensions	36 x 76 mm (1.42 x 2.99 in)
Net Weight	79 g (0.17 lb)
Construction	Plastic enclosure
Colour	White
Supply Terminals	WAGO 250 4-pole terminal block (for loop through)
Supply Terminal Conductor Size	0.75-1.5 mm² (#24-16 AWG)

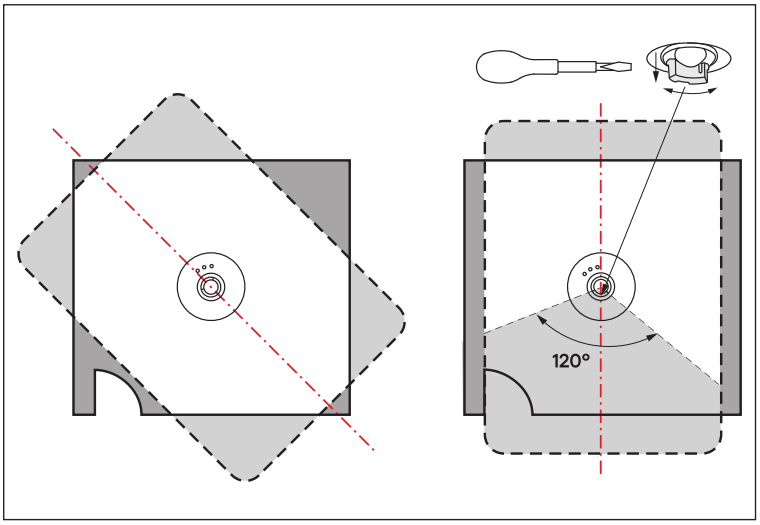
Environment

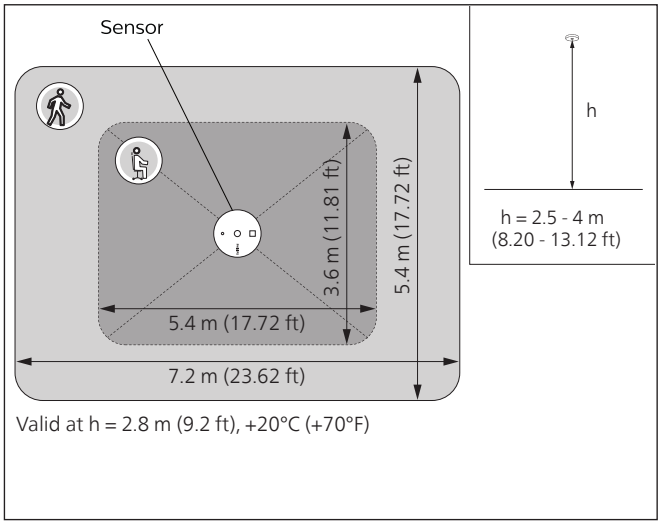
Operating Temperature	0° to 50°C ambient (32° to 122°F)
Storage/Transport Temperature	-25° to 85°C ambient (-13° to 185°F)
Relative Humidity	20-85% non-condensing
IEC Pollution Degree	II ???
Installation Note	For indoor installation only

Compliance

Certifications	CE, RCM, UKCA, ENEC, CQC, CB
Sustainability	RoHS ???
IP Rating	IP20

Detection Area





Ordering Codes

Product	12NC
DNS360LB-CR-PIR-ZGBMNS	????????????

Policies and Notices

Specific Data Notice

This Specific Data Notice applies to the sensors as specified in this product specification sheet (the **"Sensor"**) that is part of or works with a Professional System offered by Signify for use in the European Union and supplements and/or corrects the Generic Data Notice For Professional Systems and Services that can be found at https://www.signify.com/global/resources/policies-announcements (the **"Generic Data Notice"**) by providing additional and/or more specific details specific to this Sensor.

Terms starting with a capital in this Specific Data Notice will have the meaning as attributed thereto in the Generic Data Notice, unless explicitly defined otherwise in this document.

When used in a Signify professional lighting system in combination with a Dynalite Gateway with either the Dynalite Switch App, Dynalite System Builder, Dynalite System Manager, or Dynalite Cloud, the Sensor can generate the Data as specified below (The type and volume and format of Product Data that is generated depends on the product and/or software configuration and subscription to the relevant software service):

- Operational Data: Lighting control commands based on sensor events as configured in this sensor via the RS-485 DyNet network.
- Sensor Data: Motion event count, lux level reporting via the RS-485 DyNet network.

The Data generated in this combination is communicated via the network to the gateway and is stored on the gateway. If configured to do so, the gateway can forward the Data to Dynalite Cloud or to Dynalite System Manager. For applicable retention period and means of access to Data that is Readily Available Data, please refer to the Dynalite Cloud software specification sheet. Data cannot be accessed directly from the Sensor (In typical use, once the connected product has been commissioned, data generated on the device is not directly accessible). Data can be accessed from the Gateway using Dynalite System Builder or directly from any of the APIs of the Gateway. The Gateway will persist the Data for 28 days on a rolling basis.

This Specific Data Notice may be changed by Signify from time to time. The current version of this notice will apply and can be obtained at request via the point of contact as indicated in paragraph 7 of the Generic Data Notice.

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