

DNS360LB-CR-PIR-DyNet-NRF

Multifunction Sensor



Specification Sheet

Sensors > Low Bay



Low-profile recessed 360° ceiling sensor

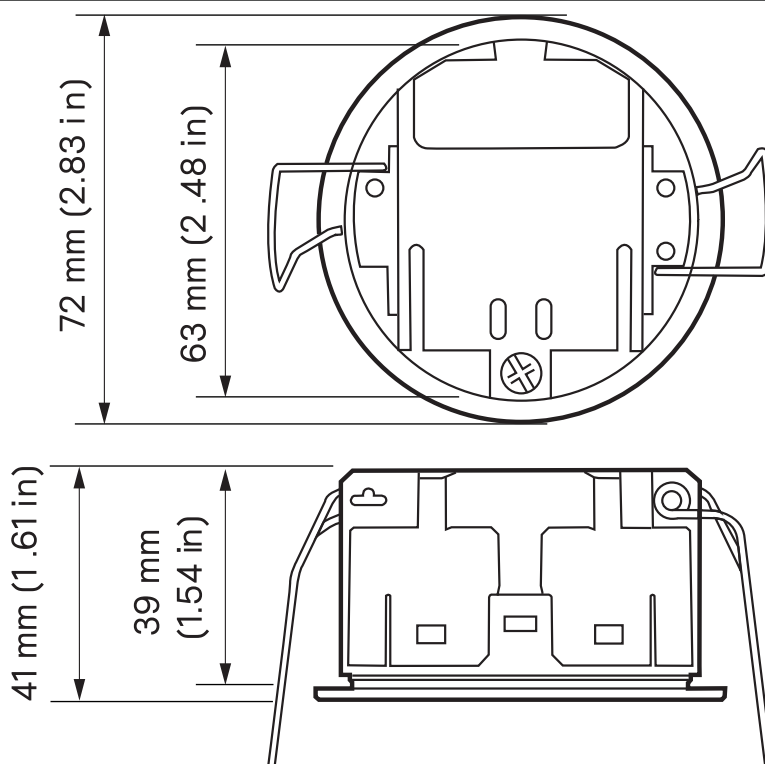
The Dynalite DNS360LB-CR-PIR-DyNet is a recess mountable 360° multifunction sensor that combines motion detection (PIR), infrared remote control reception (IR), and ambient light level detection (PE) into one device.

This product has no Bluetooth capability and is suitable for installation in sensitive or secure locations with wireless device restrictions.

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.
- **Infrared receive capability** – Inbuilt IR sensor enables control from a compatible hand-held RC5 IR remote.
- **Daylight harvesting mode** – Delivers automatic energy savings.
- **Corridor hold** – Links corridor areas with adjacent rooms so corridor remains lit while occupancy is detected in adjacent rooms.
- **Anti-stumble sensing option** – Helps users move safely at night without having to find a light switch (requires DUS180WR faceplate).
- **Suitable for plenum use** – UL 2043 certified for installation in air-handling plenum spaces.

Dimensions



Specifications

Electrical	
Supply Type	DyNet
Supply Voltage	12/24 VDC (ELV)
Supply Current	10 mA
IEC Overvoltage Category	II

Motion Detection (PIR)	
Sensor	Quad element pyroelectric
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	5–5,000 lux

Control	
Communication Ports	1 x RS-485
Supported Protocols	DyNet
User Controls	Infrared (RC5 IR remote control) 1 x service switch
Indicators	1 x motion LED (red)

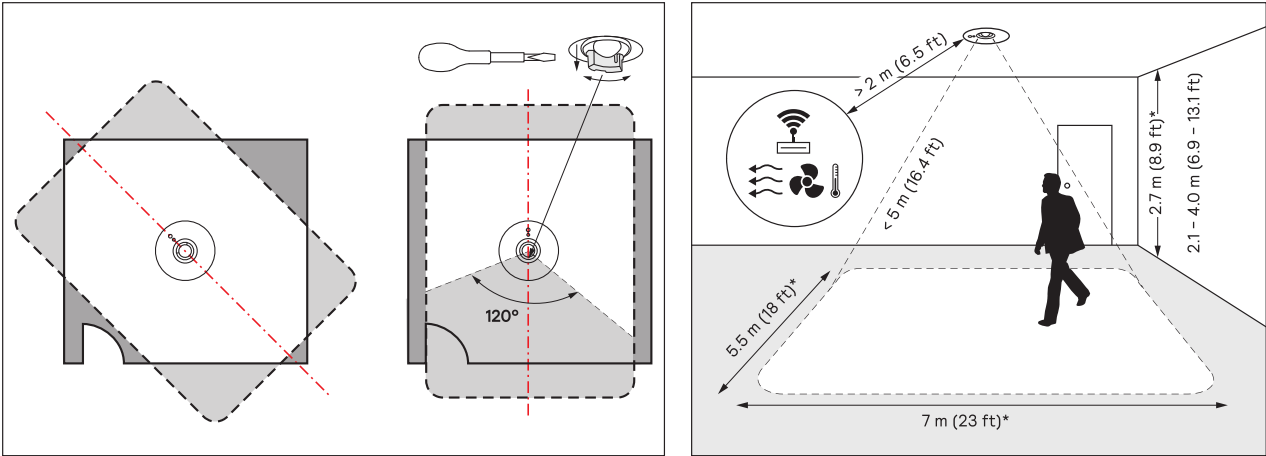
Physical	
Dimensions	41 x 72 mm (1.61 x 2.83 in)
Packed Weight	0.105 kg (0.23 lb)
Construction	Polycarbonate enclosure
Colour	RAL9003 (White)
Serial Ports	1 x 5-way screw terminal
Serial Port Conductor Size	0.3–2.5 mm² (#22–12 AWG)
Mounting Substrate Thickness	3–25 mm (0.12–0.98 in)

Environment	
Operating Temperature	0° to 45°C ambient (32° to 113°F)
Storage/Transport Temperature	–25° to 70°C ambient (–13° to 158°F)
Relative Humidity	≤90% non-condensing
IEC Pollution Degree	II
Installation Note	For indoor installation only

Compliance	
Certifications	CE, CB, RCM, UL/cUL, UKCA
Sustainability	RoHS, REACH, WEEE
IP Rating	Front Surface: IP54 (When installed per manufacturer instructions)
	Enclosure: IP20
Plenum Rating	UL 2043

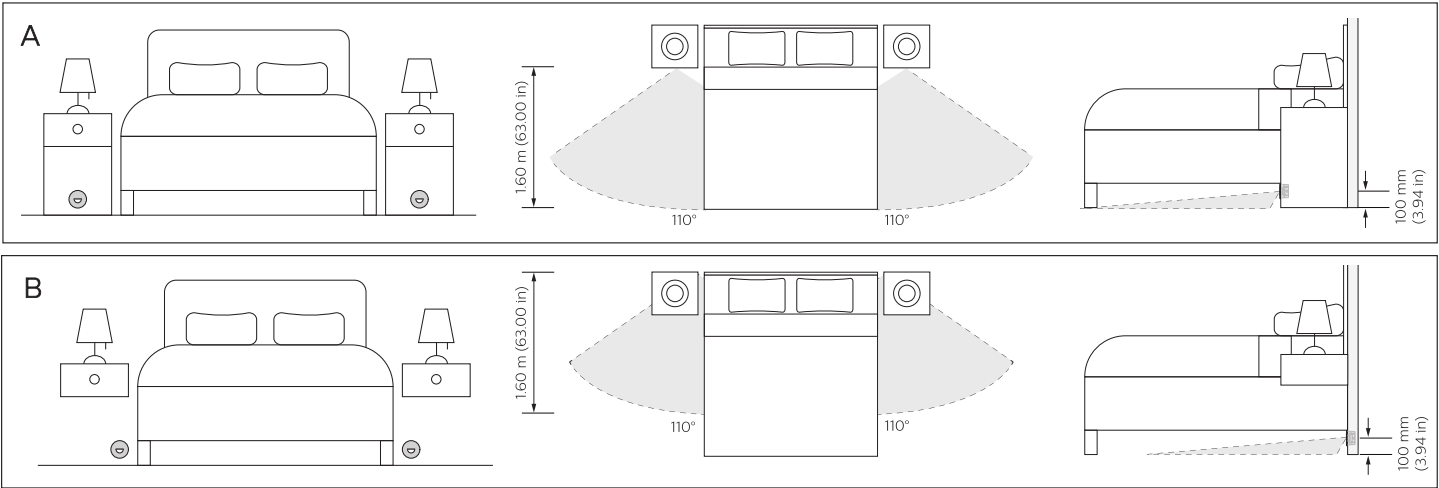


Detection Area



Detection Area with Anti-Stumble Faceplate

With the optional DNS180-ASA faceplate, the DNS360LB-CR-PIR provides ground-level bedside motion detection after dark. When a guest leaves the bed at night, selected lighting channels come on at minimum brightness so that they can move about safely without waking other sleepers.



Ordering Codes

Product		12NC
DNS360LB-CR-PIR-DyNet-NRF	RAL9003 (White)	913703418109

Accessory		12NC
D-DUS-DINGUS-RJ12-QTY10	DyNet sensor dingus: 2 x RJ12 socket (pack of 10)	?????????????
D-DUS-DINGUS-RJ45-QTY10	DyNet sensor dingus: 2 x RJ45 socket (pack of 10)	913703254609
DNS180ASA	Anti-stumble faceplate (pack of 40)	913703405509
DNS360CCA	Customisable faceplate (pack of 40)	913703405609

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.