

Improve Occupant Comfort & Productivity with nSensor

nSensor is an intelligent, ceiling-mounted device that combines daylight harvesting and motion presence sensors into a single platform. Specifically, it gradually dims lighting to maximize energy savings, while still maintaining the overall desired lighting level. It also utilizes the latest infrared technologies to detect occupancy status.

Employing internet of things (IoT) functionality, nSensor incorporates edge technologies to analyze and process all real-time collected data, thereby delivering new operational efficiencies, customer benefits and services.

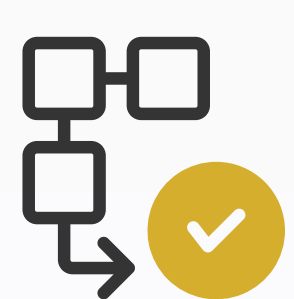
Key Features & Benefits



Real-time sensing and detecting



Fast and simple installation and integration



Power over ethernet (PoE) switch port optimized via direct connection to the nController



No field calibration or sensitivity adjustments required



Excellent detection performance through high-sensitivity and multidirectional coverage



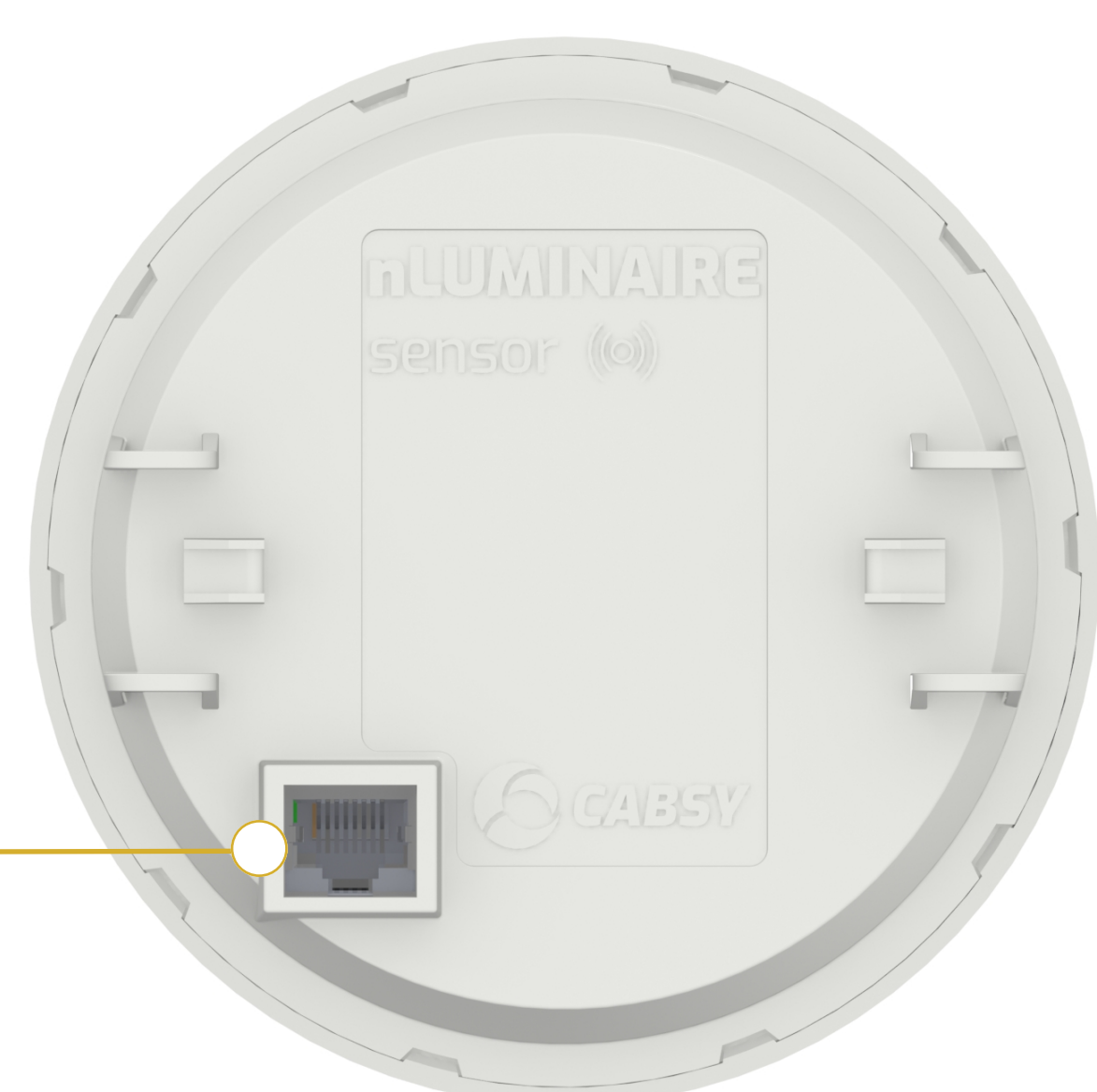
Suitable for instances in which very few movements occur for extended period of time



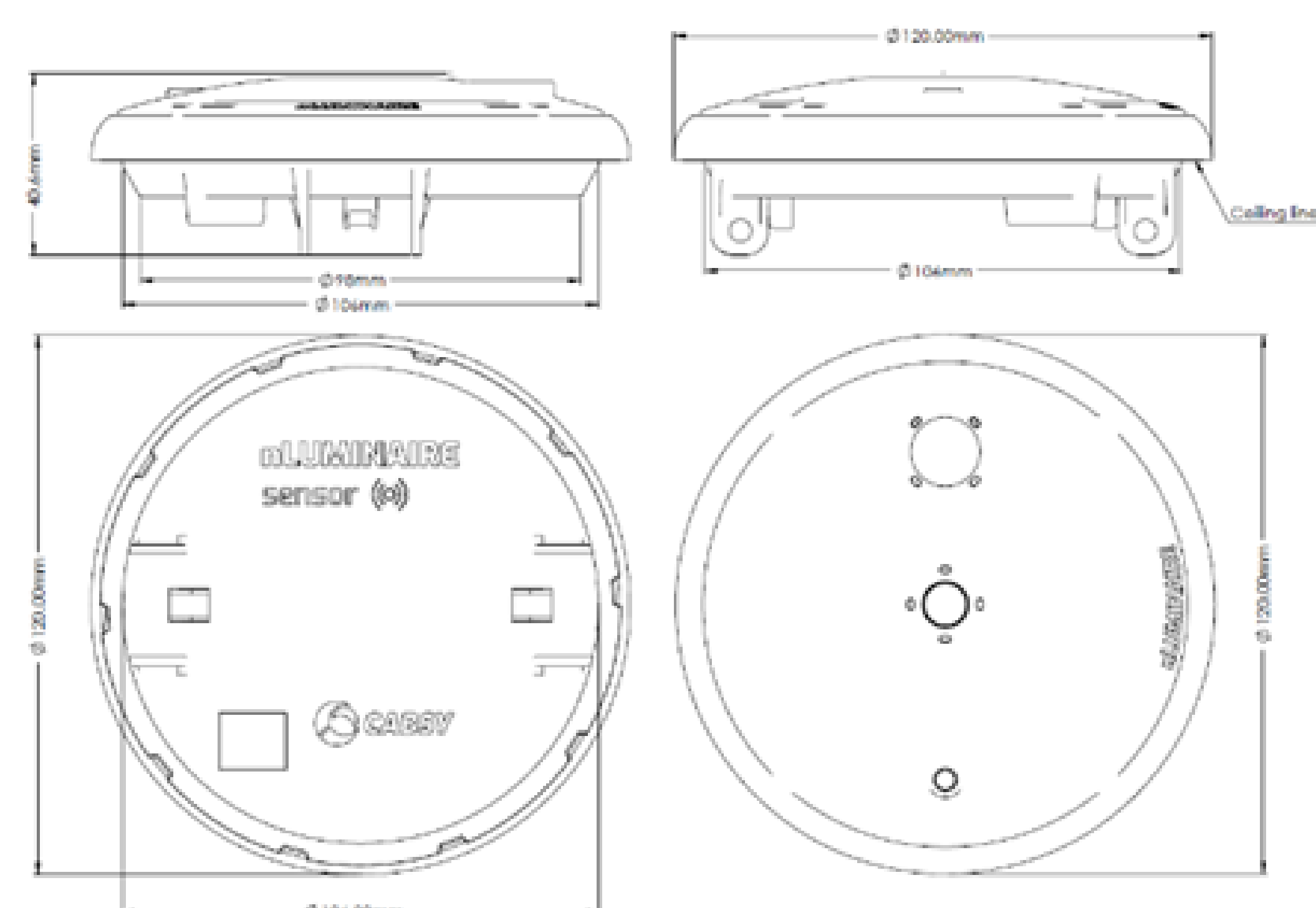
Configurable detection timeout

Mechanical Interface

nController
Connection Input



Dimensions in millimeters



Technical Specifications

Sensor Type

Ambient and motion

Input

Connection RJ45 Cat5e or higher
(straight through cable only)

Input Type Serial

Input Voltage 12V

Motion

Range 5 x 4 meters

Minimum movement speed 1 m / s

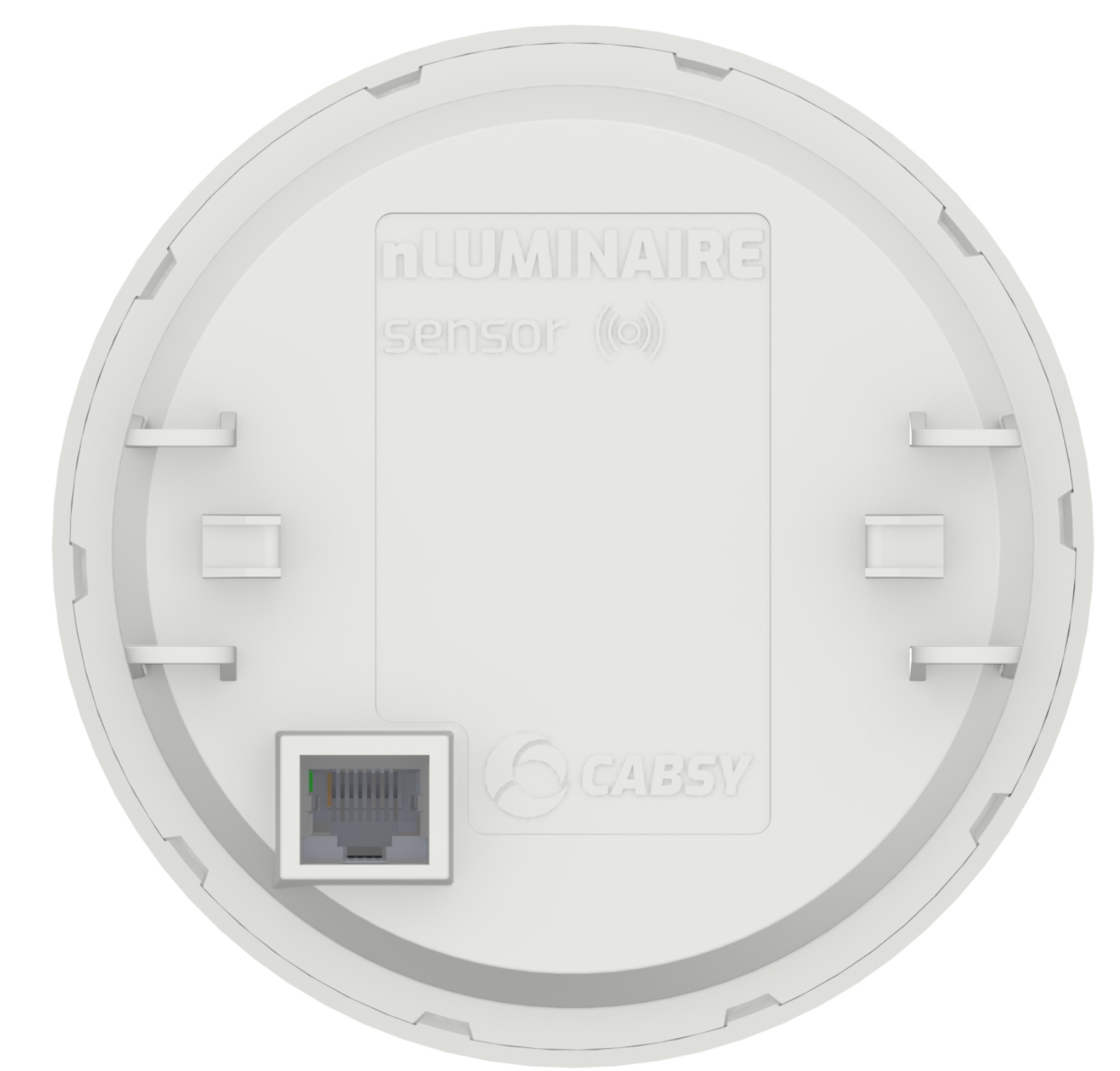
Mounting

Mounting Hole 106mm

Operating Environment

Temperature Range 0°C to 50°C

Humidity 10 - 90% non-condensing



Parts Included

Quantity	Component
1	nLuminaire Sensor
1	Quick Installation Guide

Standards

EN 55015:2019 + A11:2020	IEC 61347-1:2015 + A1
EN 61547:2009	IEC 62368-1:2018
IEC 61347-2-11:2001 + A1	RoHS

Certifications

Region	Regulatory Compliance
Europe	CE

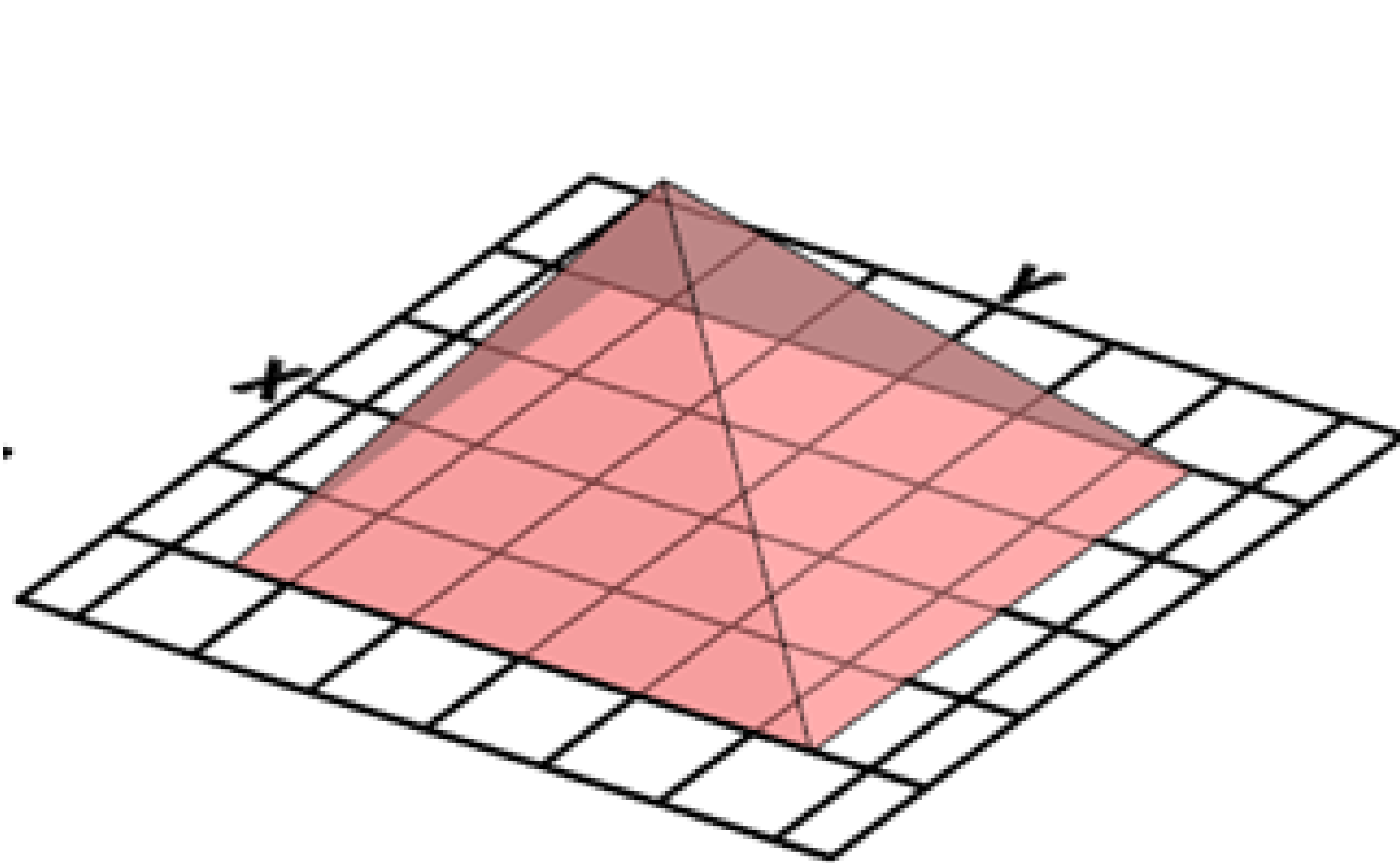
Warranty

5 years warranty (condition at www.cabsy.com)

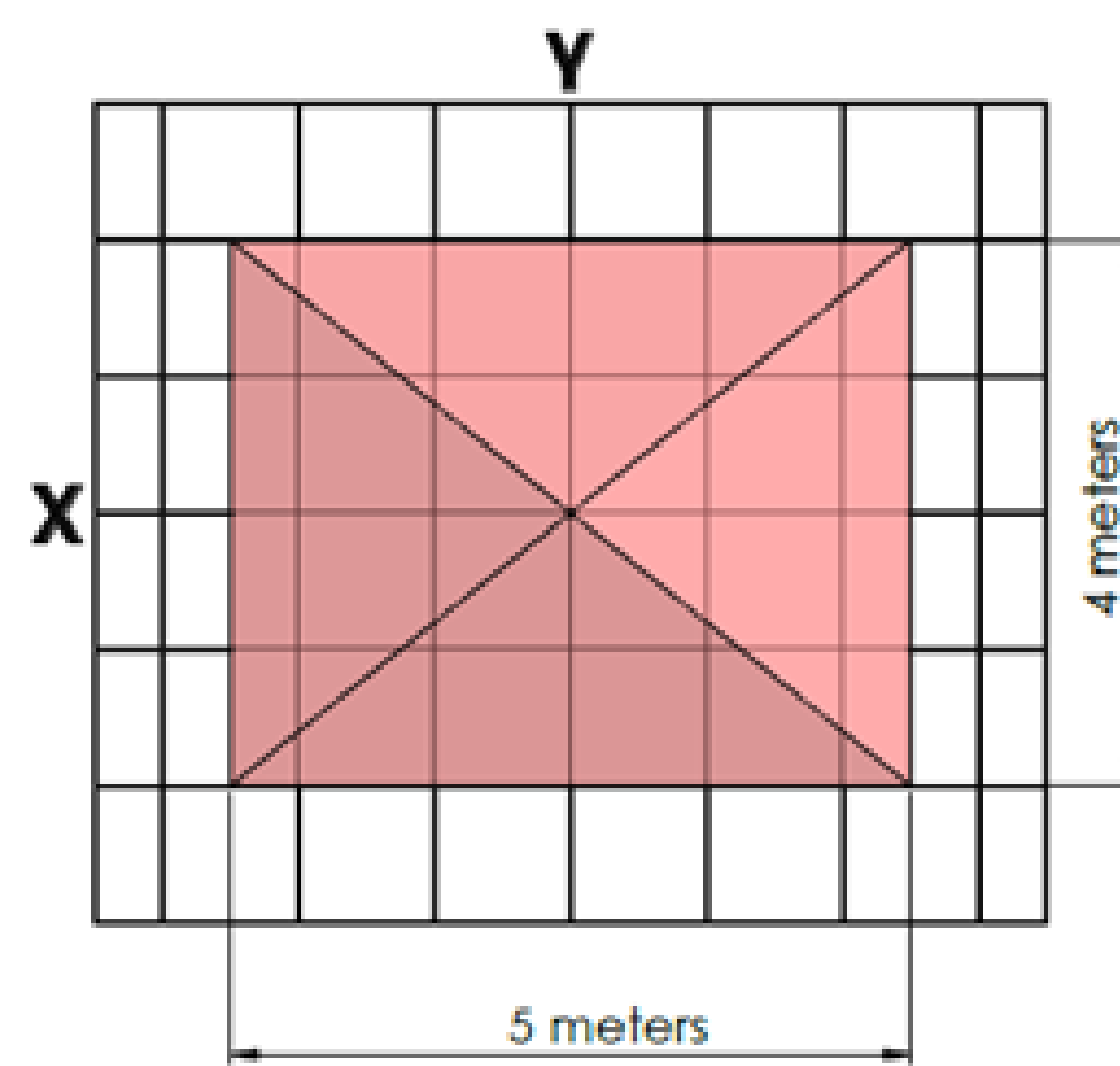
Coverage Pattern



Motion Detection



5 X 4 meters



The Legend

 Area coverage for motion sensor

Ordering Information

nLUMINAIRE
sensor 

Model: CY-NL-NSR100

Description: Daylight harvesting and motion sensor, ceiling mounted, direct connection with nController via RJ45 input port

Related Products

nLUMINAIRE
controller 

Model: CY-NL-CNR100

Description: IP networked lighting controller, POE++ input port, multiple LED light outputs, nSensor and nSwitch dedicated output ports



nLUMINAIRE

by **CABSY**

About

nLUMINAIRE



nLUMINAIRE is a PoE Connected Lighting System that uses ethernet cable to transmit DC power and data to efficiently power, monitor, and control LED light fixtures. It reduces installation and operating costs and lowers carbon footprint while enhancing safety and security. By implementing this elegant lighting system, both commercial and industrial buildings are becoming smarter and more sustainable.

Learn More

To learn more about nLUMINAIRE visit www.cabsy.com

