



Casambi Wireless IP65 ZHAGA 18 PIR Sensor + Light Sensor + DALI Dimming



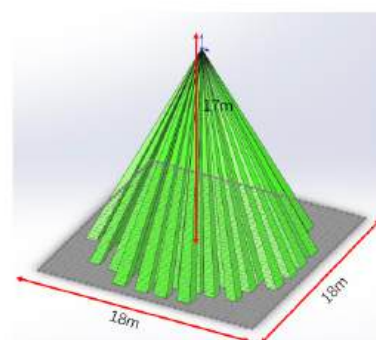
The IP65 motion sensor combines presence sensing, daylight harvesting, DALI dimming and Casambi radio technology. The sensor can work with DALI LED drivers or luminaires, the luminaires just need to be connected to mains power. The result is increased occupant comfort and significant energy savings that meet the most demanding building energy codes. The sensor is suitable for low bay applications which need sensor based automation.



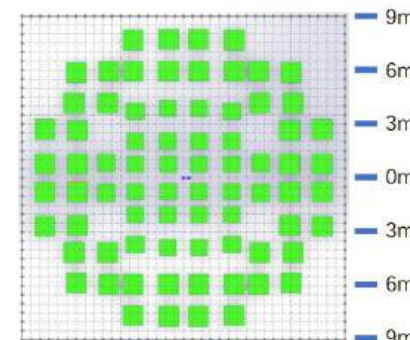
Detection Area

Note:

- 1) Following different detection areas are based on different installation heights & patterns.
- 2) Detection Pattern is a relevant value, the performance should depends on the site conditions (installation height/ temperature/ sunlight/ humidity/ Blind area...etc)

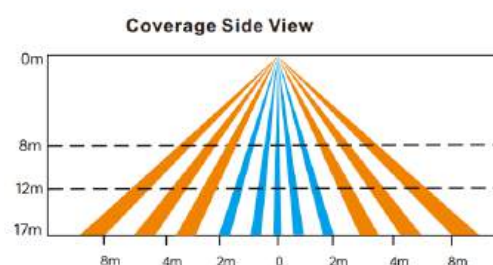


Detection pattern at 17m height



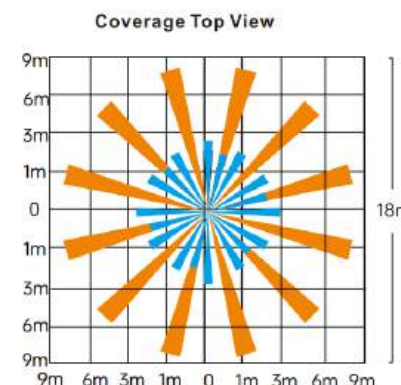
Detection pattern at 17m height

Detection Pattern

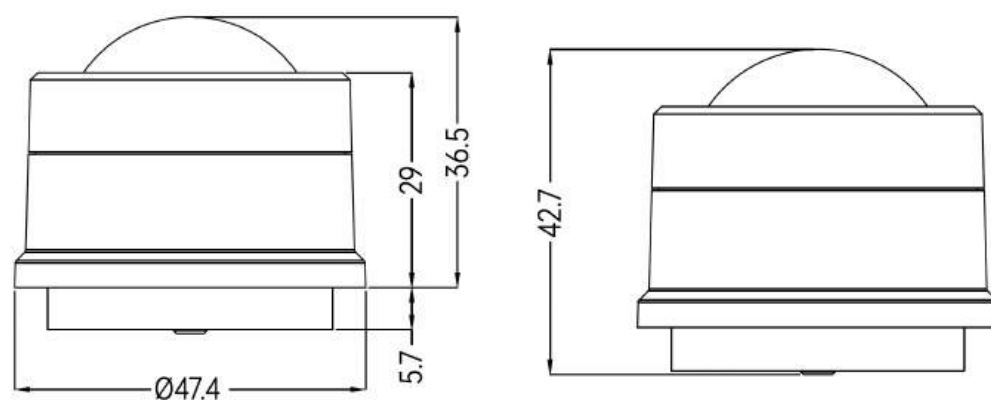


The detection area for movement sensor can be roughly divided into two parts:

- Slow movement (person moving < 1.0/s or 0.3m/s)
- Quick movement (person moving > 1.3/s or 0.4m/s)

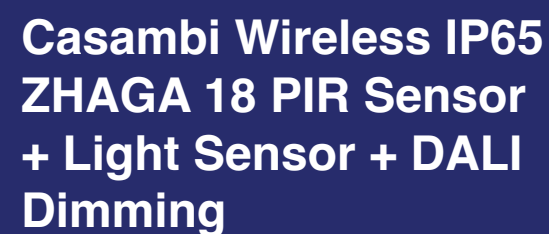


Dimensions



Technical Specifications

Power Supply	DALI BUS
Power Consumption	Max. 30mA
Control	DALI-2
Marking Terminals	Red (motion detection)
Transceiver Frequency	2.4GHz ISM band
Radio Range	164 feet (50m) in open field
Radio Certification	FCC/IC, CE, RCM
Occupancy Sensing Type	PIR sensor
Lux Detection Range	0-1000 Lux
Mounting Height	Up to 17m, recommended height: 12-15m
Detection Angle/Range	360° (ceiling)/18m(diameter)
Detection Range	Up to 16 meters @ 12m installation height
Operating Temperature Range	-25°C~+55°C
Operating Humidity	0-95% (non condensing)
Safety Certification	cULus Listed, CE, RCM
Warranty	5 years



Key Features

Zhaga Book 18 Socket: Standardised interface for pluggable sensors and communication nodes, enabling easy upgrades, future-proof connectivity, and interoperability across multiple manufacturers.

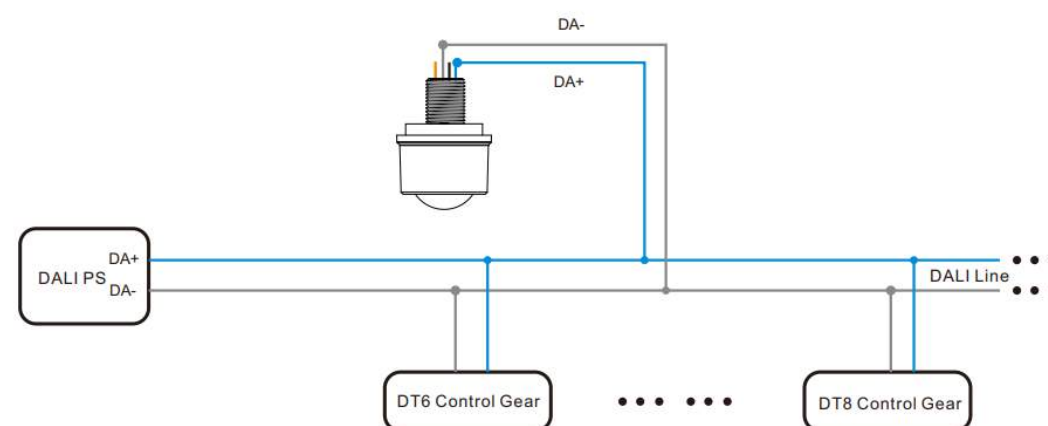
Wireless Features

Easily control a large number of fixtures from any point through a simple, intuitive user interface, with a wide range of functionality including luminaire grouping, customised lighting scenes for different occasions, colour temperature adjustment, daylight and occupancy sensing, and much more.

Benefits

Robust Mesh Network: Built on a resilient wireless mesh architecture that provides reliable communication, self-healing connectivity, and extended coverage, even in

Wiring Diagram



Note: please make sure the polarity of DALI signal of the sensor is correctly connected.

Applications

Central Management System (CMS): Scalable platform for real-time monitoring, control, and diagnostics of lighting networks.

Order Details

Product SKU	Description
S4I-LPC-DALI-ZHAGA-PIR	Casambi enabled IP65 DALI Zhaga Book 18 Light Controller, PIR sensor, Local D4i data via S4i IB