

Product features

- Monitoring of light and presence detection
- Adjustable shutter for preventing motion detection in certain directions and areas
- Compact sensor that can be integrated into Luminaire
- The sensor is powered by D4i or DALI bus power
- Supports switching between DALI and 0-10 V / 1-10 V through change profile
- Conforms to Zhaga Book 20 standards
- Mounting height up to 3.5 meters



Product specifications

168408 IC-S508-PLB-DA/0-10V-CW-CS

Mode	Input voltage	Maximum current	Angle for presence detection	RF transmit power	Dimension Ø x H
DALI	9.5...22.5 Vdc	10 mA	90°	+4 dBm	1.40 x 1.48 in (35.6 x 37.6 mm)
0-10 V / 1-10 V	12...24 Vdc	10 mA	90°	+4 dBm	1.40 x 1.48 in (35.6 x 37.6 mm)

Technical specifications

Electrical parameter	DALI	0-10 V / 1-10 V
Operating voltage	9.5...22.5 Vdc	12...24 Vdc
Maximum current	10 mA	10 mA
Max 0-10 V sinking current	/	10 mA
Power supply type	DALI Bus or D4i	Drive "Aux." output or separated supply
RF transmit power	+4 dBm	
Wireless protocol	Casambi, 2.4 GHz BLE-based Mesh	
Wireless range (open field)	Up to 50 m	

Sensor specifications

PIR axial distance (mounting height)	Max 3.5 m
PIR axial coverage angle	90° (Without shutter)
PIR tangential coverage angle	360°
Ambient light sensor detection range	2...1000 lux (Direct lighting)
Detection angle (light sensor)	50°

Indication

Green LED	Occupancy indication, Motion sensitivity indication
-----------	---

Control

Control output	DALI or 0-10 V / 1-10 V
Dimmable	Yes
Type of installation	Luminaire integration
Control interface	BLE
Reset / Unpair	Casambi App

Environmental specifications

Operating temperature	-20...+50°C
Storage temperature	-20...+70°C
Working humidity	10%...+90%
Store humidity	5%...95%

Certificates & standards

Certification	CE, UKCA
Type of protection	IP65 (front), IP20 (rear)

Dimensions

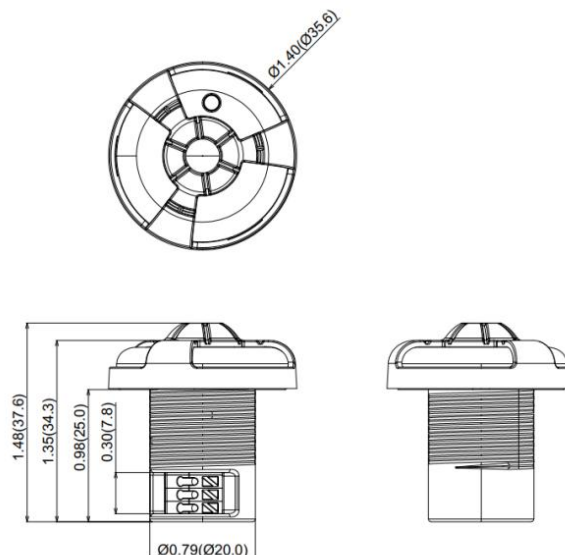
Housing dimensions

Diameter	1.40 in (35.6 mm)
Height (H)	1.48 in (37.6 mm)

For all dimensions: values in in/mm; tolerances: ± 0.5 mm

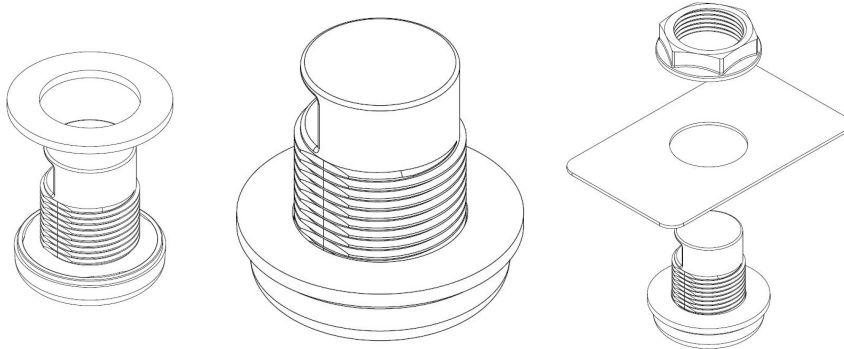
Packaging details

Packing units	50 pcs
Carton size	8.74 × 8.74 × 6.41 in (222 × 222 × 163 mm)
Carton weight	1.55 kg
Product weight	0.026 kg

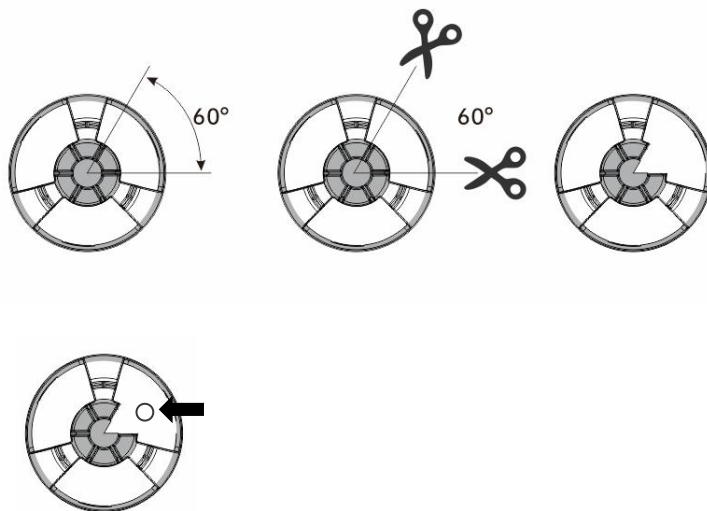


Installation

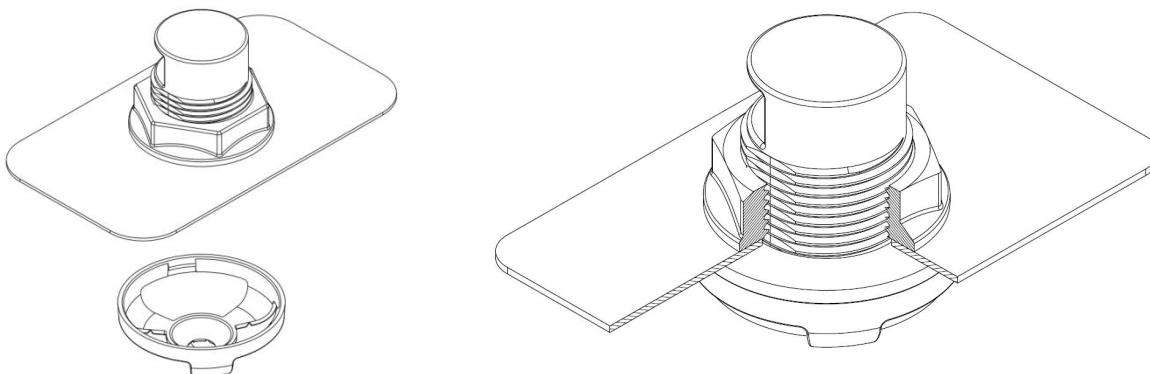
Without lens hood



Cut as needed and use a lens hood

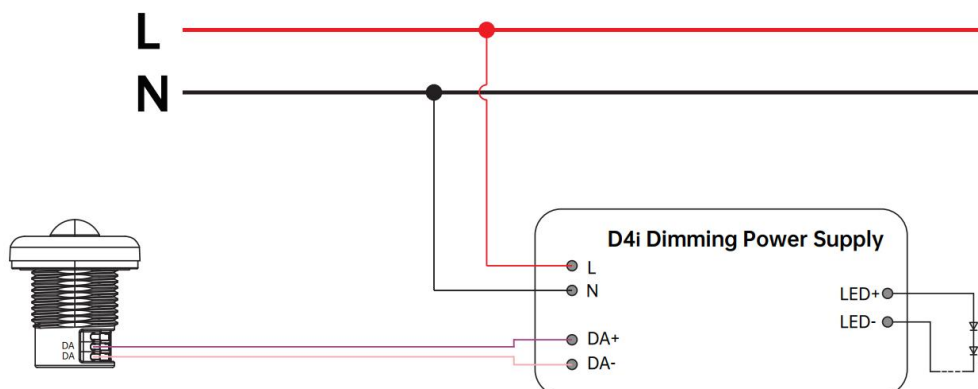


Note: Please do not block the light guide pillar

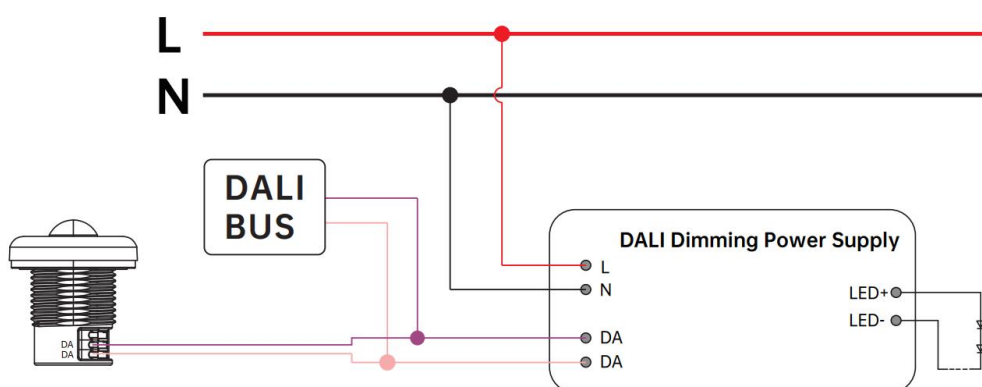


Applicable Wiring Diagram

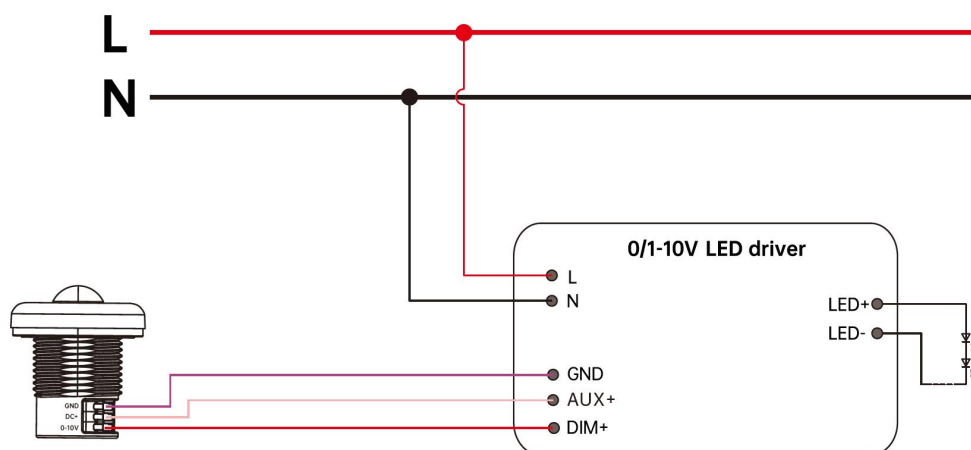
DALI driver with D4i interface



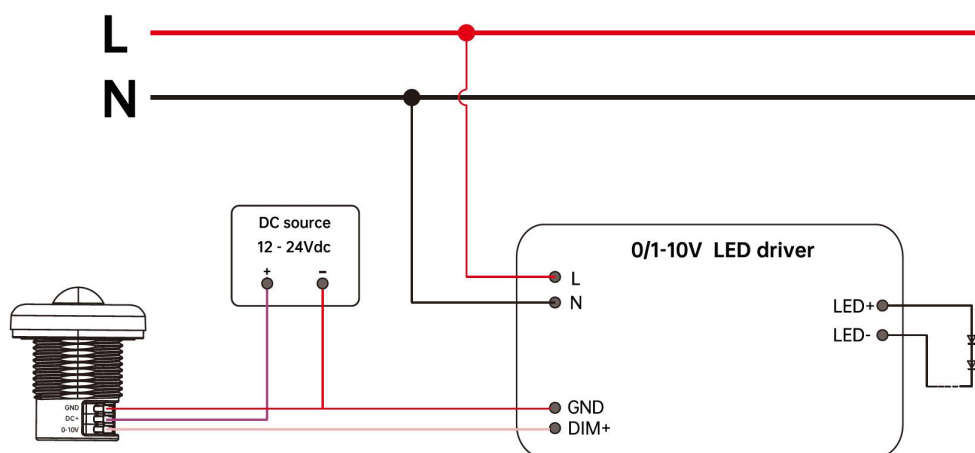
Configuration only for Drivers without Self-Powered DALI Link



Wiring method in 0/1-10 V mode with self-powered



Wiring method in 0/1-10 V mode without self-powered



How to use Casambi App

How to install Casambi App?

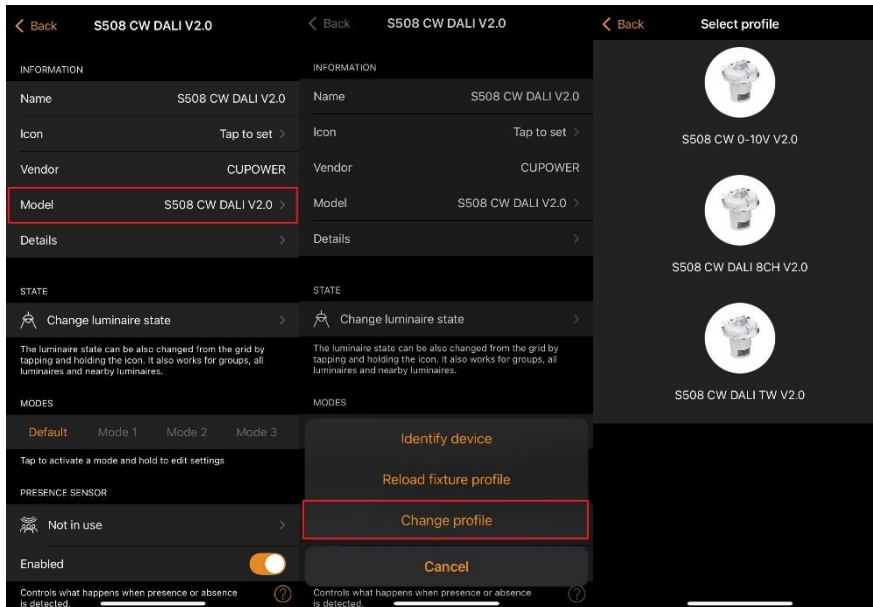
How to use Casambi App with a Phone?



Download the Casambi App on Google Play and Apple App Store. Scan the QR code to download the Casambi App user guide.

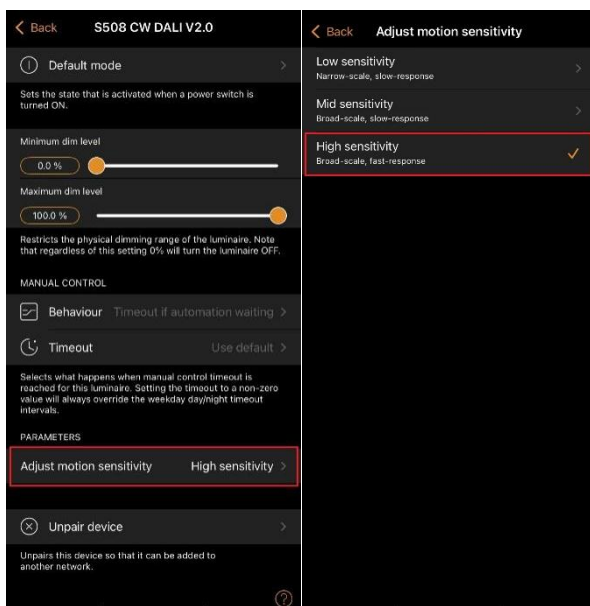
How to switch the profile

1. Enter the sensor device interface and click Model.
2. Click on Change profile to navigate to the physical model switch interface.



How to adjust motion sensitivity

1. Enter the sensor device interface and click Adjust motion sensitivity.
2. After successful adjustment, the sensor's green indicator light will flash. High sensitivity will flash 3 times, medium sensitivity will flash 2 times, and low sensitivity will flash 1 time.



Equipment Configuration Parameter Table

Initial model

S508 CW DALI	DALI broadcast mode dimming
S508 CW DALI 8CH	8-channel independent dimming
S508 CW DALI TW	DALI broadcast mode dimming and color temperature adjustment
S508 CW 0-10 V	Single channel 0-10 V control
S508 CW DALI Lin	DALI broadcast mode leisure dimming

Note: **When you are unsure which model the product is in, please connect the power to DC+ and GND to check the status.**
Models can be expanded and customized according to customer needs.

Coverage

Installation height	Coverage radius on the ground
8.20 ft (2.5 m)	8.2 ft (2.5 m)
9.8 ft (3 m)	9.8 ft (3 m)
11.5 ft (3.5 m)	11.5 ft (3.5 m)

