

Product features

- Monitoring of light and presence detection
- Shutter for preventing occupancy detection in one direction included
- Compact sensor that can be integrated into luminaries
- The sensor is powered by D4i or DALI bus power
- Supports switching between DALI and 0-10V / 1-10V through change profile
- Conforms to Zhaga Book 20 standards
- Mounting height up to 3.5 meters



Product specifications

169313 IC-S506-PLB-DA/0-10V-LW-CS

Mode	Input voltage	Standby current	Angle for presence detection	RF transmit power	Dimension L x W x H
DALI	9.5...22.5 Vdc	10 mA	90°	+4 dBm	1.58 x 0.65 x 1.14 in (40.3 x 16.7 x 29.0 mm)
0-10V / 1-10V	12...24 Vdc	10 mA	90°	+4 dBm	1.58 x 0.65 x 1.14 in (40.3 x 16.7 x 29.0 mm)

Technical specifications

Electrical parameter	DALI	0-10V / 1-10V
Operating voltage	9.5...22.5 Vdc	12...24 Vdc
Standby current	10 mA	10 mA
Max 0-10V sinking current	/	10 mA
Power supply type	DALI Bus or D4i	Drive "Aux." output or separated supply
RF transmit power	+4 dBm @ Normal Mode	
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°
PIR tangential coverage angle	360°
Ambient light sensor detection range	2...1000 lux
Detection angle (light sensor)	60°

Indication

Green LED	Occupancy indication
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Control

Control output	DALI or 0-10V / 1-10V
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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	IP20

Dimensions

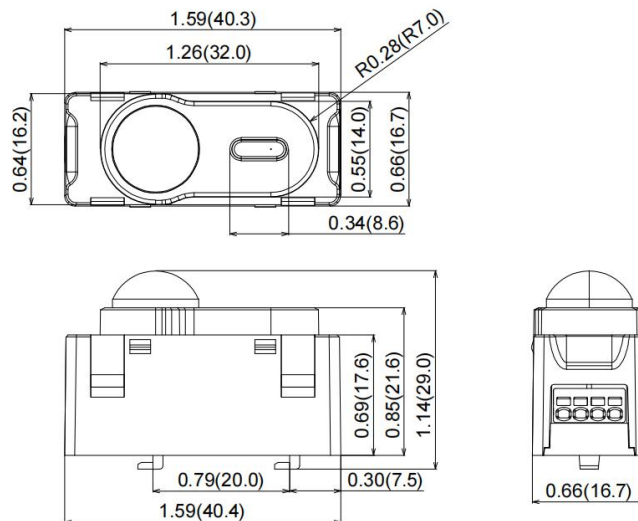
Housing dimensions

Length(L)	1.59 in (40.3 mm)
Width(W)	0.66 in (16.7 mm)
Height (H)	1.14 in (29.0 mm)

For all dimensions: values in in (mm)

Packaging details

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



Accessories (optional)

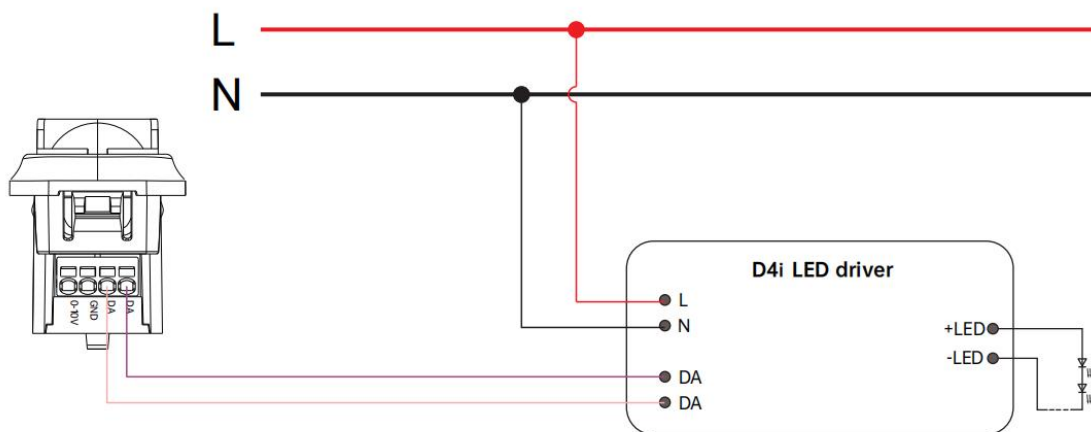
Optional accessories are available for compatibility with different Zhaga standard interfaces.



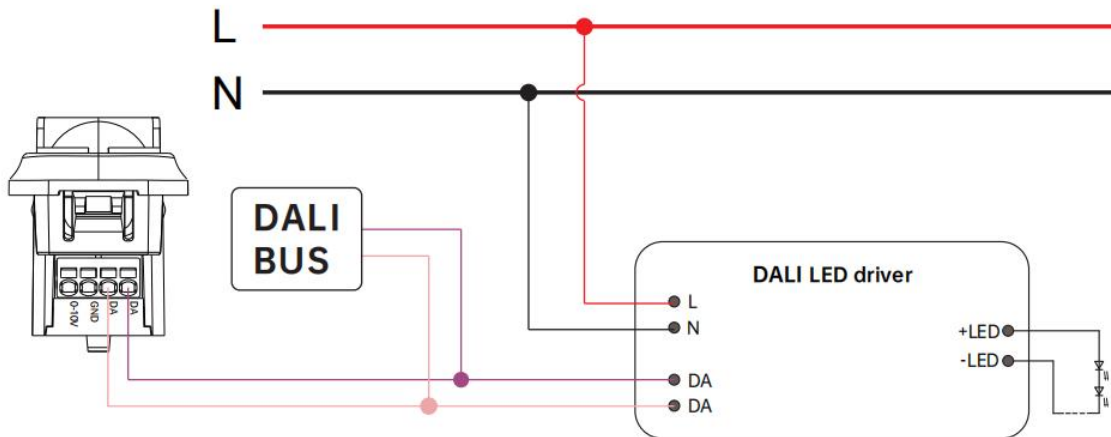
XZ-S506-R44-W		XZ-S506-RC-W	
White		White	
Art	169450	Art	169443
Dimensions (L × W × H)		Dimensions (Φ × H)	
56.7 × 22.6 × 12.8		60 × 27	

Applicable Wiring Diagram

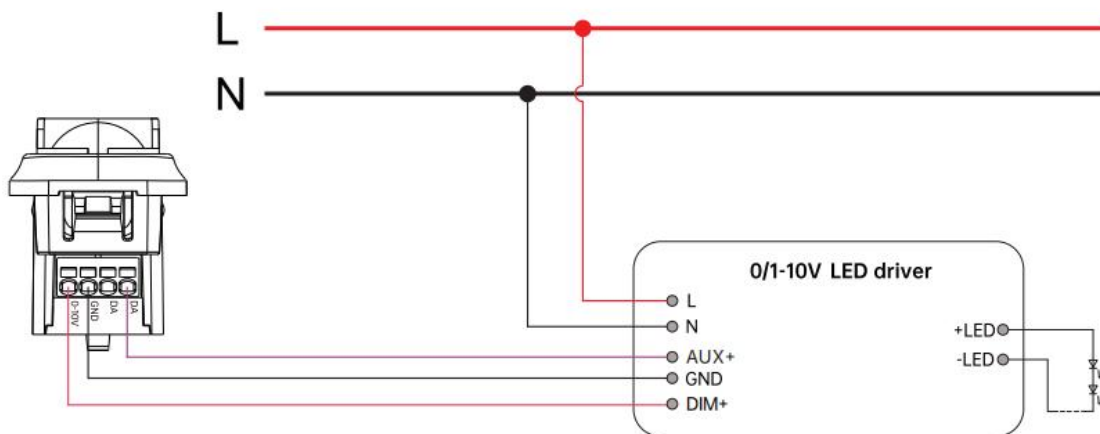
DALI driver with D4i interface



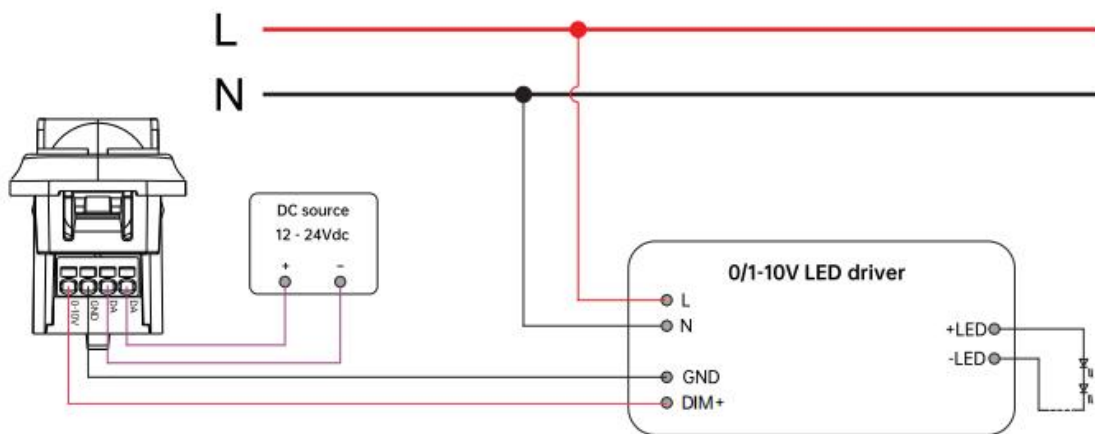
Configuration only for drivers without self-powered DALI link



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



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



How to use Casambi App

How to install Casambi App?

How to use Casambi App with a Phone?

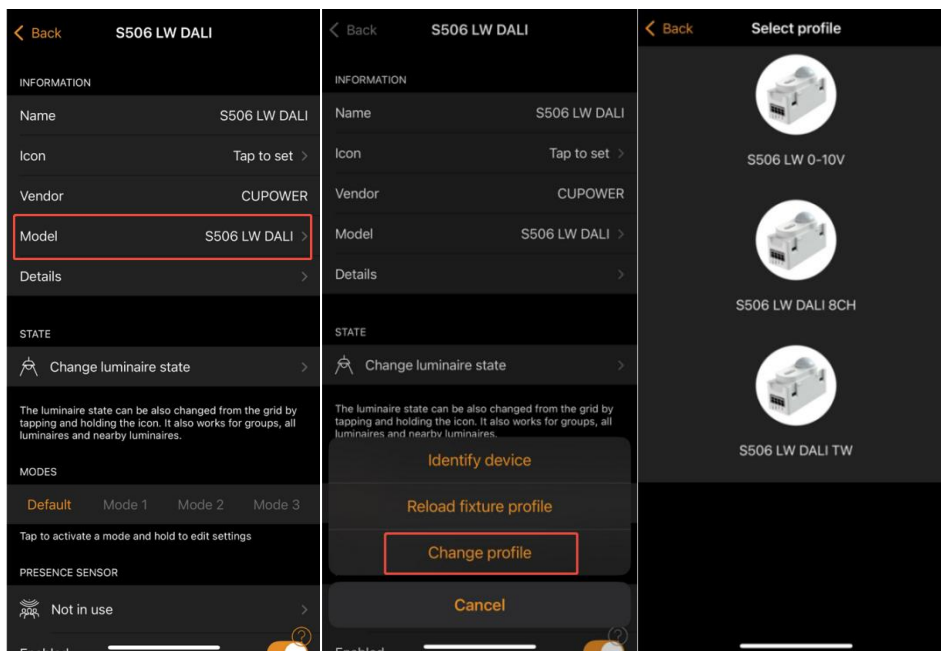


Download the Casambi App on Google Play and Apple App Store.

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.



Equipment Configuration Parameter Table

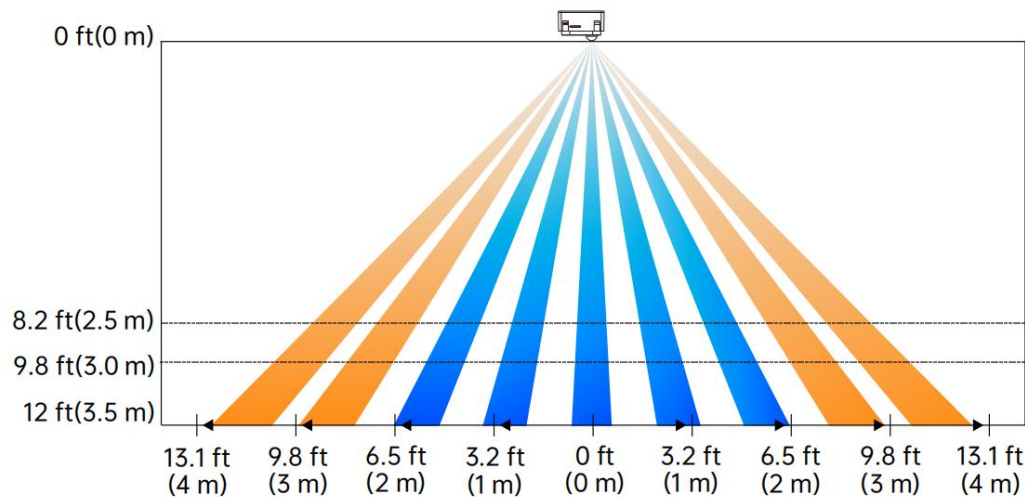
Initial model

S506 LW 0-10V	Single channel 0-10V control
S506 LW DALI	DALI broadcast mode dimming
S506 LW DALI 8CH	8-channel independent dimming
S506 LW DALI TW	DALI broadcast mode dimming and color temperature adjustment

Note: Models can be expanded and customized according to customer needs.

Coverage

Installation height	Coverage radius on the ground
8.2 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)



Coverage View