Powered by

CASAMBI

∧

Bluetooth Integration

Bluetooth Integration

As technology advances, so do our luminaires. As a result, we always ensure that you will continue to have the best quality of light.
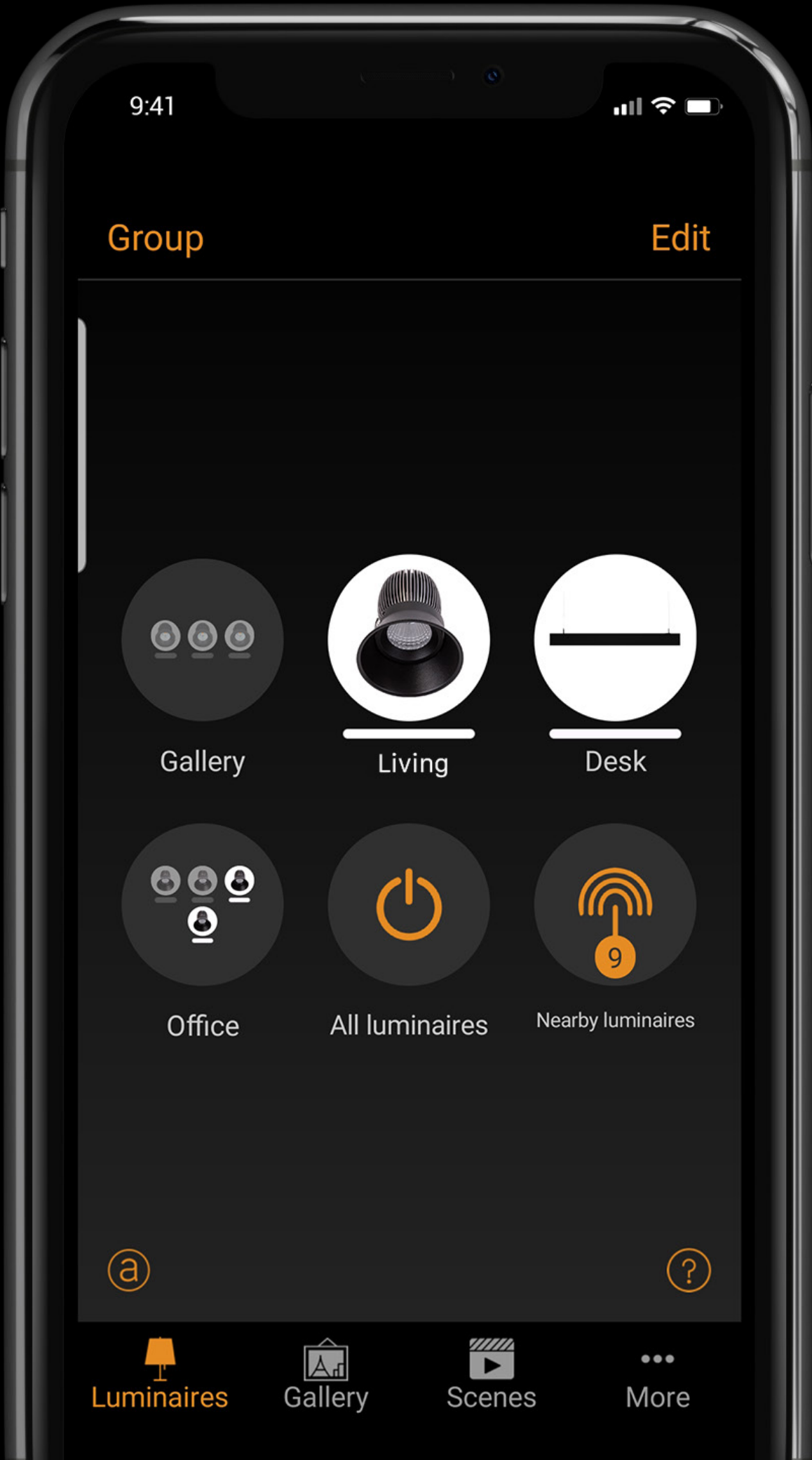
With the introduction of Casambi bluetooth into our luminaires, we are enhancing the user experience and bringing our Faze luminaires to the next level.

Casambi is based on Bluetooth Low Energy (BLE), the state-of-the-art wireless technology and the only low power wireless technology in all modern devices. With this, Casambi creates a self-organizing wireless mesh network, where each module has the intelligence of the system replicated inside it, creating a system with no single points of failure.

With this complete control over your lighting via your mobile device, Casambi Bluetooth makes lighting control easier and more efficient than ever before.

Contents

An Introduction to Casambi

The Casambi app is an all-in-one lighting control system. Allowing complete access to lighting manipulation through Bluetooth on your phone, the Casambi app gives you complete control over your lighting. Available to download from the Apple App store and Google Play, it is the simplist solution to controlling your lighting.

Key Features of Casambi

Scenes

Create Lighting to suit a specific event or space.

Colour Change

Change the colour on any RGB or RGBW light fittings. The ability to select an individual colour from a colour wheel.

Day Light Sensor

When a sensor is installed, Casambi has the ability to detect when sunlight is present and deactivate the artificial light source. This is a great energy saver and helps ensure the longevity of your luminaires.

Gallery

Take a photo of a room or upload a floor plan and mark the positions of the luminaires. The images are then displayed in a gallery with the luminaires shown and you can simply tap the one you would like to control.

Sunrise and Sunset

The ability to calculate and detect sunrise and sunset via your phones network and GPS location. The app can then adjust your artificial light according to the natural light present.

Parameters

Specific data can be read about the light fitting. This data could be LED options, power consumption or driver versions installed.

Calender and Timer

The app can turn your lights on and off based on a set time or date chosen by you.

Animations

The ability to create lighting animations through dimming and colour changing sequences.

Grouping

Group together multiple light fittings and control dimming and switching all at once.

Motion Sensor

When a motion detector is installed, Casambi has the ability to activate or deactivate the lights when movement is detected.

Scalability

The Casambi app is suitable for small or large scale spaces, whether it's a bedroom or an office, Casambi has a boundless network system.

Elements

Casambi partners have the ability to make unique, company specific features and products within the Casambi ecosystem. The products that can be developed could be controlling blinds, curtains, doors, or any relay equipped technology. This functionality also makes it possible to control luminaires with motors.

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CASAMBI

Download on the App Store

GET IT ON Google Play

Casambi Setups

Through various components and control options, the Casambi system allows users to integrate Bluetooth into their current lighting installation or to create a lighting installation with Bluetooth from scratch.

How to Connect

Casambi External Unit **Regular Driver**   **Luminaire**

Casambi Driver   **Luminaire**
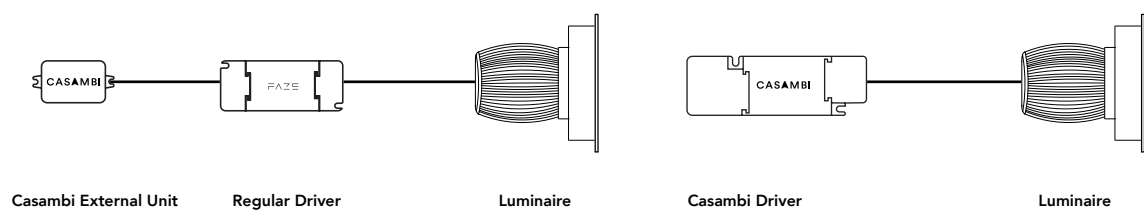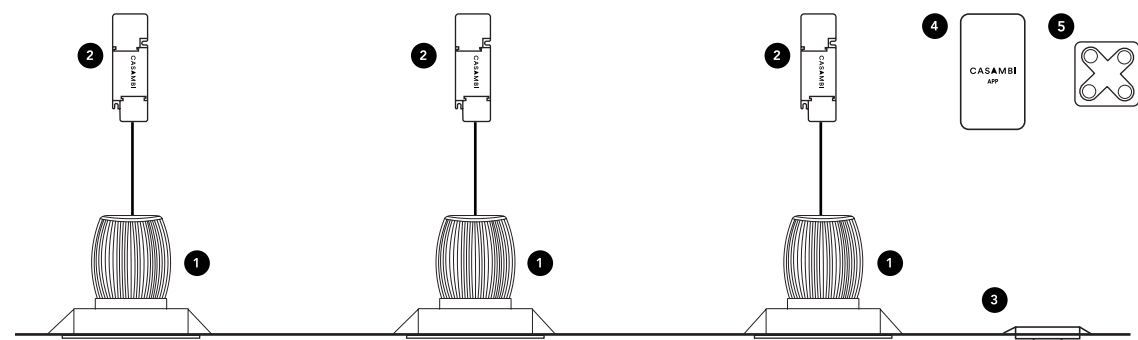
External Casambi unit

For exisiting installations or fittings with a built-in driver, an external Casambi unit is required. This unit connects to the current driver and is a cost effective way of making a current installation Bluetooth compatible.

Driver with a built-in Casambi unit

For new installations it is best to use a driver with a built in Casambi unit. This allows for a direct connection to the luminaire and a simple installation process.
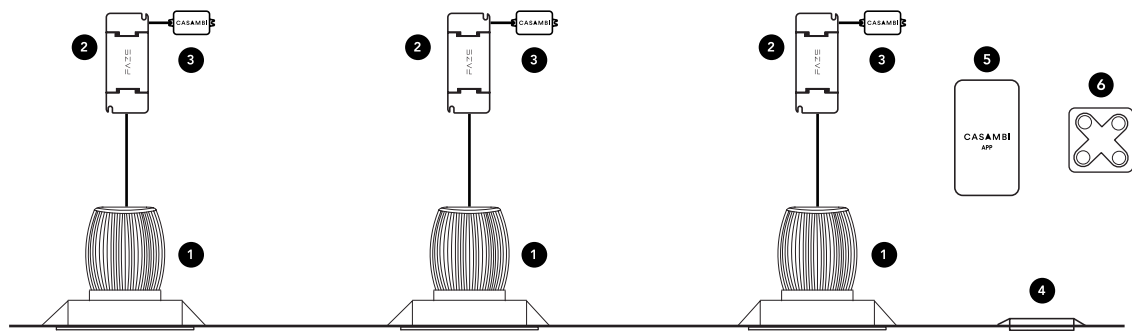
Examples of Casambi Bluetooth setups

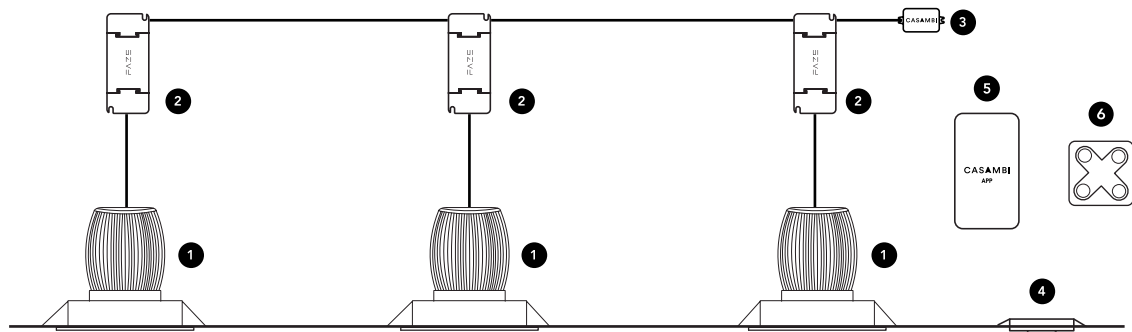### ① Fittings with individual Casambi drivers

1. Luminaire

This can be any of our compatible luminaires. In this example is a Faze Pro downlight.

2. Casambi Driver

This is the driver which has the Casambi unit built into it.

3. Sensor (Optional)

Sensors are an optional addition to your setup. These will allow for the motion based features in the Casambi app.

4. Casambi App

Available to download on Apple App store or Google Play, the Casambi app is the complete guide and controller to your Casambi Bluetooth setup.

5. Casambi BasicDIM Wireless Switch (Optional)

The Casambi BasicDIM Wireless Switch is a wireless controller, providing an alternative to using the app on your phone. It comes with a magnetic base, making it simple to mount to any wall or surface.

② Fittings with individual external Casambi units

1. Luminaire

This can be any of our compatible luminaires. In this example is a Faze Pro downlight.

2. Standard Faze Driver

This is the standard Faze dimmable driver that is included with the fitting.

3. External Casambi unit

The external Casambi unit which connects through the current drivers' connection.

4. Sensor (Optional)

Sensors are an optional addition to your setup. These will allow for the motion based features in the Casambi app.

5. Casambi App

Available to download on Apple App store or Google Play, the Casambi app is the complete guide and controller to your Casambi Bluetooth setup.

6. Casambi BasicDIM Wireless Switch (Optional)

The Casambi BasicDIM Wireless Switch is a wireless controller, providing an alternative to using the app on your phone. It comes with a magnetic base, making it simple to mount to any wall or surface.

### ③ Multiple fittings running off of one external Casambi unit

Please note: This setup is only if you would like to control multiple light fittings all at once. You cannot individually control each fitting with this setup.

A capacity of 150W is applicable.

1. Luminaire

This can be any of our compatible luminaires. In this example is a Faze Pro downlight.

2. Standard Faze Driver

This is the standard Faze dimmable driver that is included with the fitting.

3. External Casambi unit

The external Casambi unit which connects through the current drivers' connection.

4. Sensor (Optional)

Sensors are an optional addition to your setup. These will allow for the motion based features in the Casambi app.

5. Casambi App

Available to download on Apple App store or Google Play, the Casambi app is the complete guide and controller to your Casambi Bluetooth setup.

6. Casambi BasicDIM Wireless Switch (Optional)

The Casambi BasicDIM Wireless Switch is a wireless controller, providing an alternative to using the app on your phone. It comes with a magnetic base, making it simple to mount to any wall or surface.

Casambi Component Guide

It is essential when creating your Bluetooth lighting plan to ensure that you have selected the correct corresponding components. This guide will provide all the information on each component required for your Bluetooth lighting setup.


90mm

90mm   17.5mm
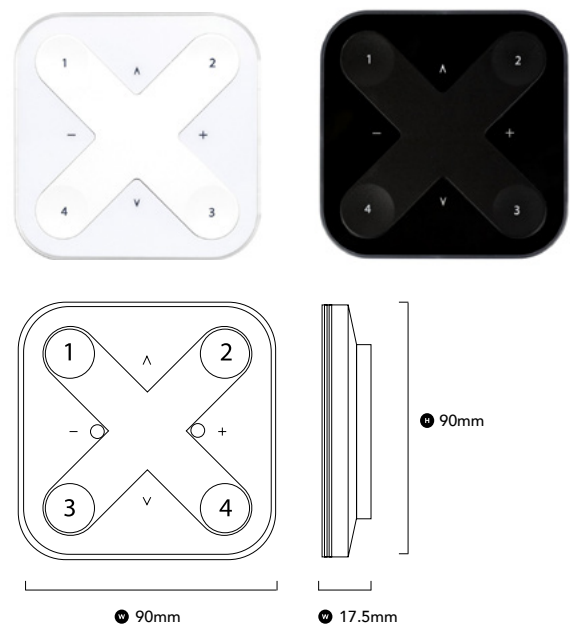
Casambi BasicDIM Wireless Switch

The Casambi BasicDIM Wireless Switch is a wireless controller, providing an alternative to using the app on your phone. It comes with a magnetic base, making it simple to mount to any wall or surface.
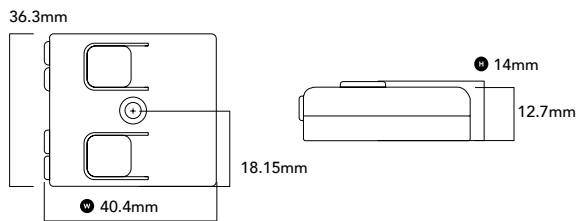
PRODUCT CODE

White	**71-CASWS**
Black	**71-CASBS**

GENERAL SPECIFICATIONS

Compatible Fittings	Controls all types of BasicDIM wireless devices
Finishes	White | Black
Battery (included)	CR2430 Lithium Coin Cell
Battery Lifetime	2-5 years (dependant on usage)
BasicDIM Lifetime	50,000hrs
IP	20
Wireless Range	Up to 60m
Operating Temp	0 ... +45°C
Dimming	Up / Down
Warranty	5 years
Application	A wall mounting bracket included
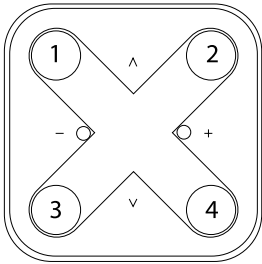
USER GUIDE

Button	Function
1	Preset Button
2	Preset Button
3	Preset Button
4	Preset Button
-	Dim Down
+	Dim Up
^	Multi Purpose Button
˅	Multi Purpose Button

FEATURES

Luminaire Control

Group Control

Recall Scenes

Recall Animations

Smooth Dimming

36.3mm

14mm

12.7mm

18.15mm

40.4mm

Casambi Dimmer Module

Casambi Dimmer Module is a Bluetooth controllable, Casambi enabled trailing-edge dimmer for operation of incandescent lamps, dimmable LED lamps and dimmable LED control gear.

PRODUCT CODE

Casambi Dimmer Module	**71-CASCBU**

GENERAL SPECIFICATIONS

Voltage Range	85-240 VAC
Max. Output Current	0.65 A
Dimming Method	Trailing-edge phase control
Max. Output Power	150 VA @ 230 VAC / 75 VA @ 120 VAC
Min. Load Requirement	1W
Max. Inrush Current	10 A, 100 ms
IP	20
Dimensions	40.4 x 36.3 x 14.0 mm
Lifetime	Up to 100,000hrs
Warranty	5 Years

COMPATIBLE FITTINGS

FAZE	All Faze fittings, excluding LED Strip.

FEATURES

Trailing Edge Dimming.

Can be controlled with Casambi app, available for iOS and Android devices.

Can be installed behind a traditional wall switch, inside a luminaire or into a ceiling outlet box.

Able to control up to 150 VA at 230 VAC.

Features an overcurrent and over temperature protection.

30mm

130mm

43mm

4.2mm
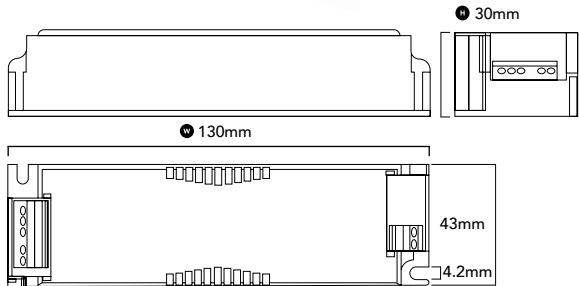
Casambi BasicDIM Driver 11W

Dimmable built-in constant current LED Driver, for use with our 11W downlights.

PRODUCT CODE

Casambi BasicDIM Driver 11W	**71-CAS300**

GENERAL SPECIFICATIONS

Rated Supply Voltage	220 - 240 V
AC Voltage Range	198 – 264 V
DC Voltage Range	176 – 280 V
Max. Power Control	17W
Output Current	Set at 300 mA
Dimming Range	1 - 100%
IP	20
Dimensions	130 x 43 x 30 mm
Lifetime	Up to 50,000hrs
Warranty	5 Years

COMPATIBLE FITTINGS

FAZE	Edge Mini
	Lite Mini
	Pro Mini Round
	Pro Mini Square

FEATURES

Can be either used built-in or independent with clip-on strain-relief.

Forms automatically a wireless communication network with up to 250 nodes.

Adjustable output current between 250 and 700 mA.

Set to 300mA.

Up to 86% efficiency.
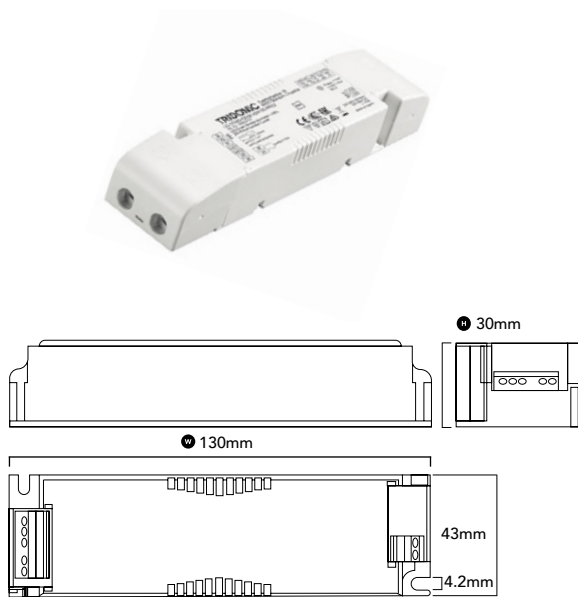
Casambi basicDIM Driver 13W

Dimmable built-in constant current LED Driver, for use with our 13W downlights.

Casambi basicDIM Driver 13W	**71-CAS350**

GENERAL SPECIFICATIONS

Rated Supply Voltage	220 - 240 V
AC Voltage Range	198 – 264 V
DC Voltage Range	176 – 280 V
Max. Power Control	17W
Output Current	Set at 350 mA
Dimming Range	1 - 100%
IP	20
Dimensions	130 x 43 x 30 mm
Lifetime	Up to 50,000hrs
Warranty	5 Years

COMPATIBLE FITTINGS

FAZE	Edge 100
	Edge 110
	Lite 108
	Pro Round
	Pro Square

FEATURES

Can be either used built-in or independent with clip-on strain-relief.

Forms automatically a wireless communication network with up to 250 nodes.

Adjustable output current between 250 and 700 mA.
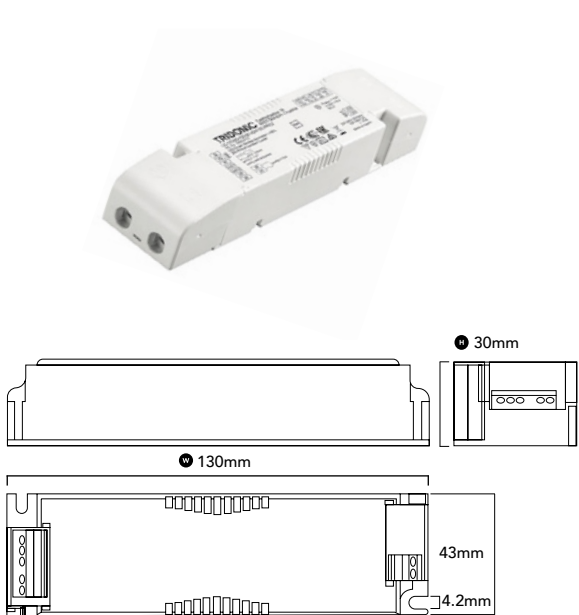
Set to 350mA.

Up to 86% efficiency.

Casambi BasicDIM Driver 20W

Dimmable built-in constant current LED Driver, for use with all of our 20W downlights.

Casambi BasicDIM Driver 20W	**71-CAS600**

GENERAL SPECIFICATIONS

Rated Supply Voltage	220 - 240 V
AC Voltage Range	198 – 264 V
DC Voltage Range	176 – 280 V
Max. Power Control	17W
Output Current	Set at 300 mA
Dimming Range	1 - 100%
IP	20
Dimensions	130 x 43 x 30 mm
Lifetime	Up to 50,000hrs
Warranty	5 Years

COMPATIBLE FITTINGS

FAZE	Edge 135

FEATURES

Can be either used built-in or independent with clip-on strain-relief.

Forms automatically a wireless communication network with up to 250 nodes.

Adjustable output current between 250 and 700 mA.

Set to 600mA.

Up to 86% efficiency.
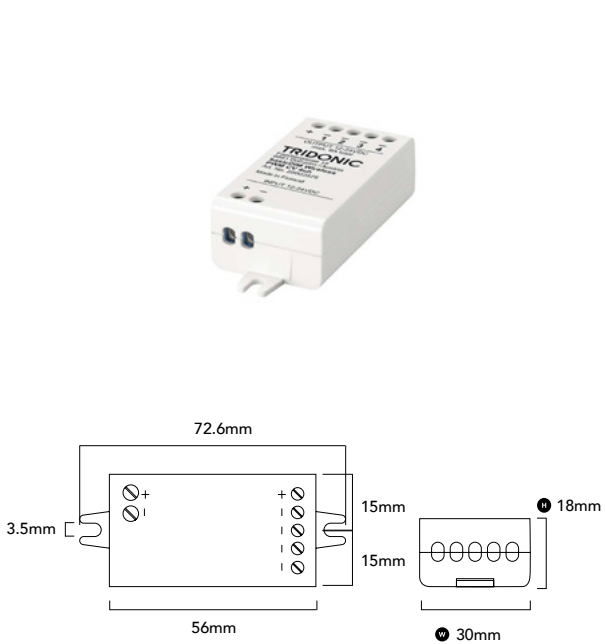
Casambi BasicDIM 24V Wireless 4ch Device

This device is the external Casambi unit for all 24V Faze LED Strip. It can control up to 150W and multiple fittings via an Android or iOS smart device.

Casambi BasicDIM 24V Wireless 4ch Device	**71-CAS24V**

GENERAL SPECIFICATIONS

Supply Voltage DC	12 - 24 V
Max. Input Current	6A
Output Power 24V DC	144W
Output Power 12V DC	72W
Max. Power Control	150W
Radio transceiver operating frequencies	2.4 - 2.483 GHz
Max. Output power radio transceiver	+4 dBm
IP	20
Warranty	5 Years

COMPATIBLE FITTINGS

FAZE	All Faze LED strip

FEATURES

Easily implemented RGB and colour temperature controls.

No need for an external gateway device.

Forms automatically a wireless communication network with up to 250 nodes.

Small form factor for luminaire installation.

Device firmware can be updated over-the-air.
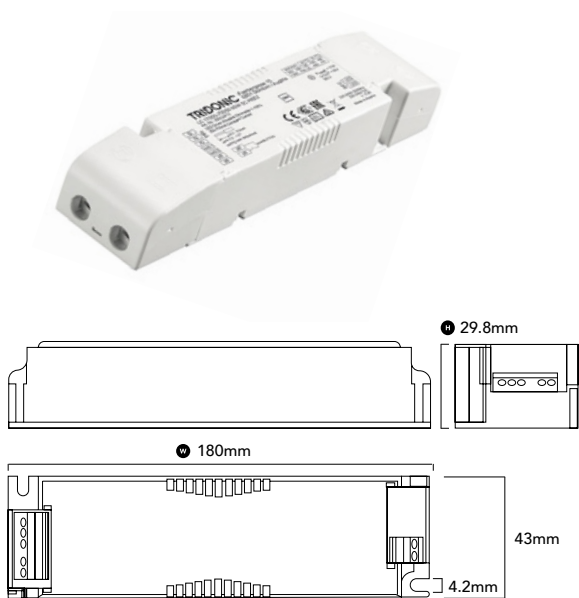
4 PWM outputs.

Can control up to 150W.
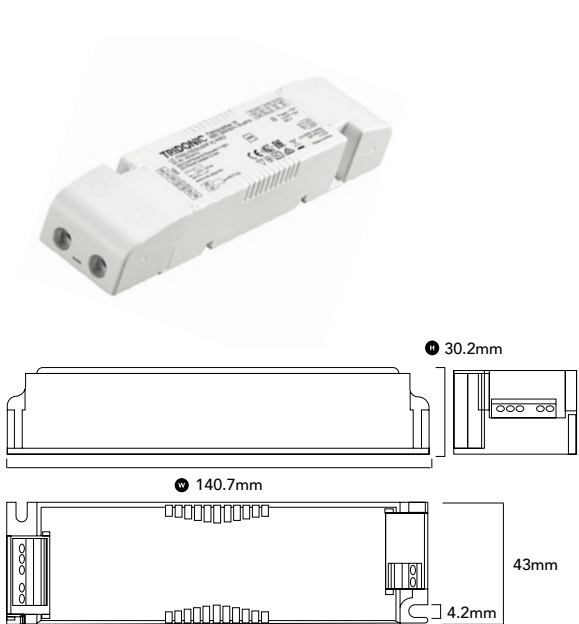
Casambi BasicDIM Driver 24V 35W

Dimmable 24V constant voltage LED Driver for flexible constant voltage strips up to 35W.

Casambi BasicDIM Driver 24V 35W	**71-CAS24V35**

GENERAL SPECIFICATIONS

Rated Supply Voltage	220 - 240 V
AC Voltage Range	198 – 264 V
DC Voltage Range	176 – 280 V
Max. Power Control	35W
Mains Frequency	0 / 50 / 60 Hz
Dimming Range	1 - 100%
IP	20
Dimensions	195 x 43 x 30.2 mm
Lifetime	Up to 50,000hrs
Warranty	5 Years

COMPATIBLE FITTINGS

FAZE	All Faze LED strip

FEATURES

Can be either used built-in or independent with clip-on strain-relief.

No need for an external gateway device.

basicDIM Wireless enables different dimming options.

Forms automatically a wireless communication network with up to 250 nodes.

Dimming range 1 to 100%.

No additional external dimmer is needed.

Can control up to 35W.

29.8mm

180mm

43mm

4.2mm

Casambi BasicDIM Driver 24V 60W

Dimmable 24V constant voltage LED Driver for flexible constant voltage strips up to 60W.

PRODUCT CODE

Casambi BasicDIM Driver 24V 60W	**71-CAS24V60**

GENERAL SPECIFICATIONS

Rated Supply Voltage	220 - 240 V
AC Voltage Range	198 – 264 V
DC Voltage Range	176 – 280 V
Max. Power Control	60W
Mains Frequency	0 / 50 / 60 Hz
Dimming Range	1 - 100%
IP	20
Dimensions	225 x 43 x 30.2 mm
Lifetime	Up to 50,000hrs
Warranty	5 Years

COMPATIBLE FITTINGS

FAZE	All Faze LED strip

FEATURES

Can be either used built-in or independent with clip-on strain-relief.

No need for an external gateway device.

basicDIM Wireless enables different dimming options.

Forms automatically a wireless communication network with up to 250 nodes.

Dimming range 1 to 100%.

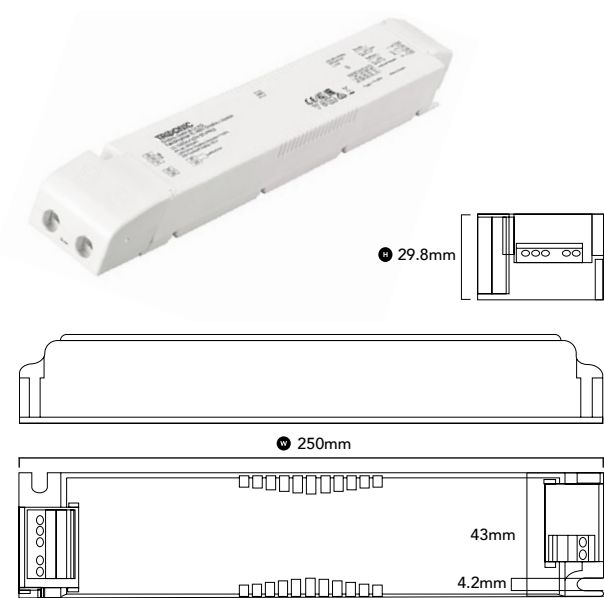No additional external dimmer is needed.

Can control up to 60W.

29.8mm

250mm

43mm

4.2mm

Casambi BasicDIM Driver 24V 100W

Dimmable 24V constant voltage LED Driver for flexible constant voltage strips up to 100W.

PRODUCT CODE

Casambi BasicDIM Driver 24V 100W	**71-CAS24V100**

GENERAL SPECIFICATIONS

Rated Supply Voltage	220 - 240 V
AC Voltage Range	198 – 264 V
DC Voltage Range	176 – 280 V
Max. Power Control	100W
Mains Frequency	0 / 50 / 60 Hz
Dimming Range	1 - 100%
IP	20
Dimensions	295 x 43 x 29.8 mm
Lifetime	Up to 50,000hrs
Warranty	5 Years

COMPATIBLE FITTINGS

FAZE	All Faze LED strip

FEATURES

Can be either used built-in or independent with clip-on strain-relief.

No need for an external gateway device.

basicDIM Wireless enables different dimming options.

Forms automatically a wireless communication network with up to 250 nodes.

Dimming range 1 to 100%.

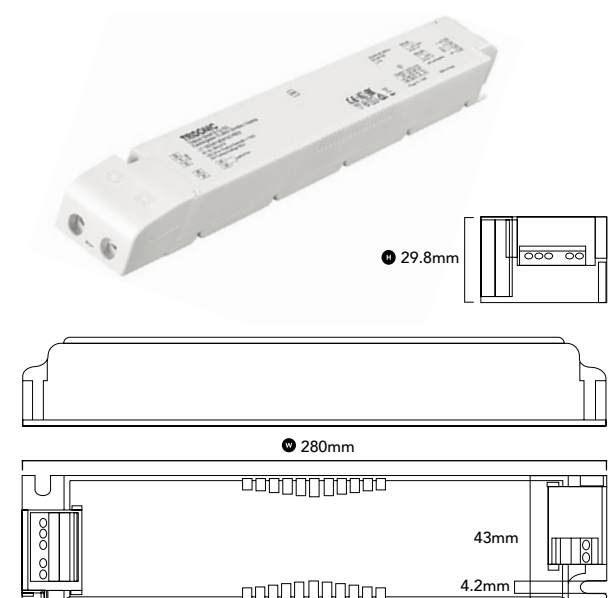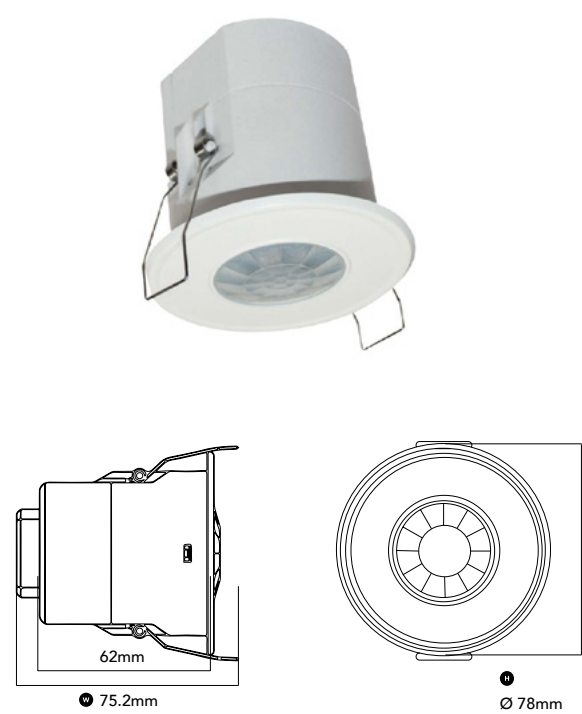No additional external dimmer is needed.

Can control up to 100W.

29.8mm

280mm

43mm

4.2mm

Casambi BasicDIM Driver 24V 150W

Dimmable 24V constant voltage LED Driver for flexible constant voltage strips up to 150W.

PRODUCT CODE

Casambi BasicDIM Driver 24V 150W	**71-CAS24V150**

GENERAL SPECIFICATIONS

Rated Supply Voltage	220 - 240 V
AC Voltage Range	198 – 264 V
DC Voltage Range	176 – 280 V
Max. Power Control	150W
Mains Frequency	0 / 50 / 60 Hz
Dimming Range	1 - 100%
IP	20
Dimensions	325 x 43 x 29.8 mm
Lifetime	Up to 50,000hrs
Warranty	5 Years

COMPATIBLE FITTINGS

FAZE	All Faze LED strip

FEATURES

Can be either used built-in or independent with clip-on strain-relief.

No need for an external gateway device.

basicDIM Wireless enables different dimming options.

Forms automatically a wireless communication network with up to 250 nodes.

Dimming range 1 to 100%.

No additional external dimmer is needed.

Can control up to 150W.

62mm

75.2mm

Ø 78mm

Casambi Flush Mount Pir Motion Sensor

Wireless sensor compatible with Casambi based systems.

PRODUCT CODE

Casambi Flush Mount Pir Motion Sensor	**71-CASPIR**

GENERAL SPECIFICATIONS

Mains Voltage	220 - 240VAC 50/60Hz
Detection Range	(Ø x H) 9m x 3m (minimum)
Detection Angle	360°
Range	15 ~ 30m
Protocol	Bluetooth 4 Wireless Mesh
IP	20
Dimensions	Ø 78 x 75.2 mm
Application	Recessed/Flush Mount
Mounting Height	Max. 5m
Warranty	3 Years

COMPATIBLE FITTINGS

FAZE	All Faze fittings, excluding LED Strip.

FEATURES

Compatible with Casambi.

Recessed/Flush Mount Application.

360° Detection Angle.

15 - 30m Bluetooth Transceiver Range.

The Benefits of Bluetooth

There are a lot of benefits to having Bluetooth included in your lighting setup. The Casambi Bluetooth system will help you in many ways, including both with time and energy saving.

Time Saving

You can save a significant amount of time by pre-setting all of your lighting to your specific schedule.

Energy Saving

With Casambis' day light sensors, motion sensors and sunrise/sunset detection, you will save a significant amount of energy in your home without even having to think about it.

Cost Saving

With all the energy saving from automatic shut off, you'll reduce the costs of power significantly, as well as the costs of future light replacements from excess use.

A Step Forward In Technology

By having a Casambi Bluetooth network in your home, as technology progresses, so will your day to day life. With Casambi technology moving forward into other Bluetooth devices such as shutters, curtains and doors, eventually the majority of your home will be accessible via your Casambi Bluetooth network.

Examples of Bluetooth layouts

When applying Bluetooth to your lighting plan, it is essential that you ensure the Bluetooth layout caters to all of your needs. These are some examples of how Casambi Bluetooth can be applied and bring enhanced lighting options into your home.

Bathroom Application

By applying Casambi to this bathroom, you can control the light to suit your needs. In this example we have used seperate controls on the LED strip and one control on the four downlights. By doing this, if you wanted to take a relaxing bath you could have the perfect ambient lighting by having the downlights off, the LED strip around the mirror off, and the LED strip above the bath on and dimmed down to about 30%.


		Casambi Control	Casambi BasicDIM Wireless Switch (Mounted on Wall) For easy access and use.

Symbol Key

Symbol	Luminaire	Casambi Application Method
1	Faze Pro Square	1 x Casambi CASCBU Module 1 per all 4 downlights.
2	Faze LED Strip 60	2 x Casambi CAS24V60 Driver 1 per each LED Strip.

Living and Dining Room Application

In this example the Bluetooth application has been used to enhance the experience of the living room and dining area. By incorporating the following application method, an activity such as watching TV can be enhanced by individually controlling the lighting. Whilst watching TV you could have the downlights above the TV off, the track lighting and LED Strip dimmed and the feature downlights left on, to create the perfect ambience. This can all be done via the Casambi app, whilst from the comfort of your couch.
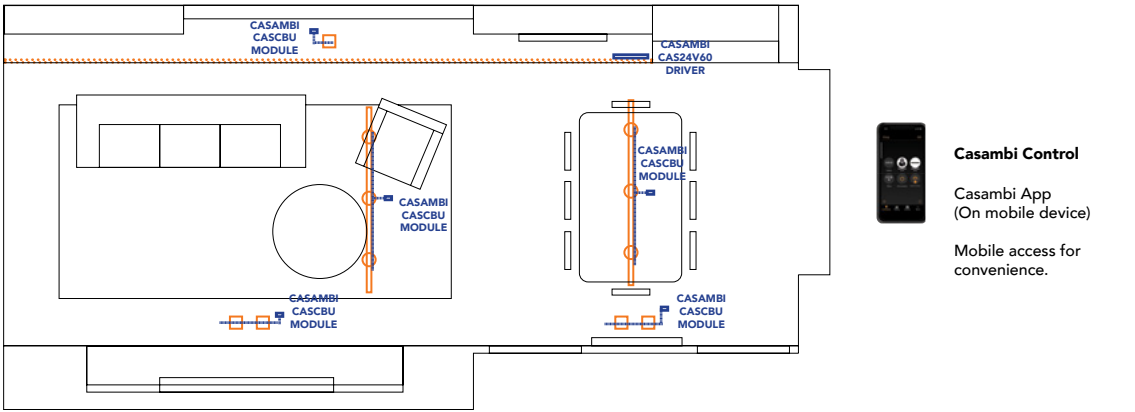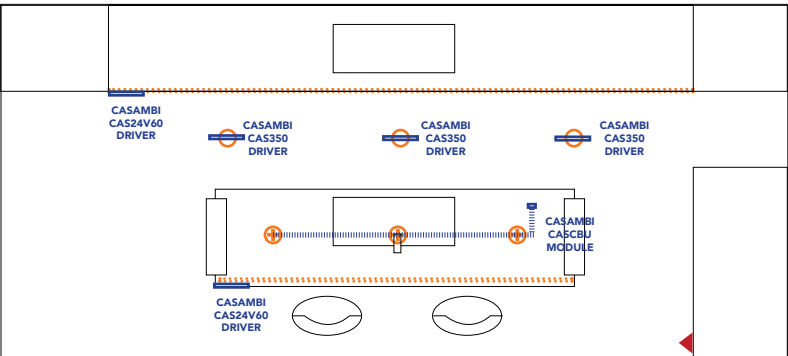

Casambi Control

Casambi App (On mobile device)

Mobile access for convenience.

Symbol Key

Symbol	Luminaire	Casambi Application Method
1	Faze Air Track	2 x Casambi CASCBU Module 1 per Air Track fitting group.
2	Faze Pro Square	3 x Casambi CASCBU Module 1 per Pro Square downlight group.
3	Faze LED Strip 60	1 x Casambi CAS24V60 Driver 1 per each LED Strip.

Kitchen Application

In this example Casambi has been applied to enhance the light whilst cooking and entertaining, as well as power saving when the kitchen is not in use. Whilst cooking you may decide to have all of the lights on, however when entertaining, choose to turn off the rear LED strip so as not to light unnessary space. If moving to another area, you could dim the downlights to 10%, leaving the counter top featured under the accent light of the Silo.

Casambi Control

Casambi BasicDIM Wireless Switch (Mounted on Wall)

For easy access and use.

Symbol Key

Symbol	Luminaire	Casambi Application Method	
⊕ ❶	Faze Silo 60 Suspension	1 x Casambi CASCBU Module 1 per 3 Silo fittings.	
○ ❷	Faze Edge 100	3 x Casambi CAS350 Driver 1 per Edge 100 fitting.	
❸	Faze LED Strip 60	2 x Casambi CAS24V60 Driver 1 per each LED Strip.	

Compatability Chart

Use the following guide to select the components you need for you Casambi Bluetooth setup.

	Casambi Component								
Faze Luminaire Collection	Casambi Dimmer Module **CASCBU**	Casambi BasicDIM Driver 11W **CAS300**	Casambi BasicDIM Driver 13W **CAS350**	Casambi BasicDIM Driver 20W **CAS600**	Casambi BasicDIM 24V Wireless 4ch **CAS24V**	Casambi BasicDIM Driver 24V 35W **CAS24V35**	Casambi BasicDIM Driver 24V 60W **CAS24V60**	Casambi BasicDIM Driver 24V 100W **CAS24V100**	Casambi BasicDIM Driver 24V 150W **CAS24V150**
Air Surface	•								
Air Track	•								
Core	•								
Cubix and Cubix Square	•								
Dash	•								
Dice	•								
Disc	•								
Ecco	•								
Edge Mini	•	•							
Edge 100 and 110	•		•						
Edge 135	•			•					
Kobi	•								
Kubo	•								
LED Strip (All kinds)					•	•	•	•	•
Flow Side and Top					•	•	•	•	•
Lite Mini	•	•							
Lite 108	•		•						
Line Opal	•								
Line Opal Recessed	•								
Lucid A	•								
Lucid S	•								
Lucid T 270	•								
Lucid T 350	•								
Luna Starlight	•								
Luxe Circle	•								
Luxe Long	•								
Luxe Square	•								
Pro Mini Series	•	•							
Pro Series	•		•						
Silo 40 (Surface and Suspension)	•								
Silo 60 (Surface and Suspension)	•								
Split	•								
Starlight LED	•								
Step Series	•								
Vita (Fixed and Adjustable)	•								
Vita Track	•								

Please note specifications are subject to change. Please refer to our website for current specifications.

F /\ Z E

Bluetooth Integration

1300 438 609

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10 Gibberd Road
Balcatta W.A 6021

www.faze.com.au