

# Casambi Design Guide Salvador

The Salvador Series is Casambi's latest addition to its DALI integration options. It allows the programming and control of up to 64 DALI luminaires individually from the Casambi App.

Salvador enables the extension of existing DALI networks and the creation of hybrid networks that consist of both Casambi Ready and DALI devices. With Salvador, all DALI luminaires are programmed and controlled in the same way as Casambi Ready devices via the Casambi App; eliminating the need for a DALI Controller. This gives the possibility to incorporate Casambi's user-friendly and intuitive user interface into wired DALI installations.

Multiple Salvadors that are controlling DALI luminaires can be wirelessly connected to form a single Casambi mesh network. One Casambi network can allow up to 250 nodes, regardless of whether they are DALI or Casambi Ready.

The extraction and usage of D4i data from the DALI network is still possible with the Salvador. Data from DALI and Casambi devices is communicated across the Casambi mesh to the Casambi Cloud via the Casambi Cloud Gateway. The data can then be utilized by other third-party systems or solutions via the Casambi API. This provides an easy and cost-effective way to connect a DALI system to the cloud and integrate with other systems.

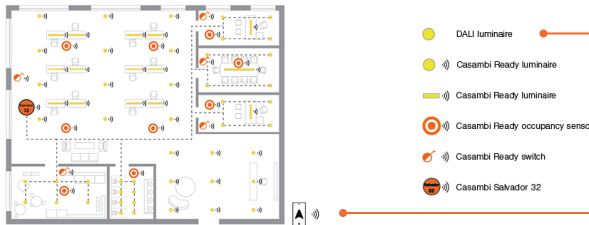
This design guide aims to outline the versatility of Casambi's wireless lighting control system, in combination with DALI networks to serve the diverse needs of today's modern spaces.

## How to read this guide?

Room Type

Solution Type

**1. Office**



--- DALI Bus

Casambi Ready luminaires, controllers and DALI luminaires can be programmed and controlled as a single Casambi network.

One Salvador can control up to 32 DALI luminaires. A Casambi network can contain up to 250 nodes, regardless of whether they are DALI or Casambi Ready. DALI luminaires appear in the Casambi App the same way as Casambi Ready luminaires. They can be individually controlled, grouped, or used in hybrid scenes that combine both Casambi Ready and DALI luminaires.

Casambi Salvador Series have product versions with and without DALI supply. Depending on the version used, a power supply for the DALI bus might be needed.

**Devices**

LUMINAIRE	DALI luminaire	● 26	+	● 1	→	●
	Casambi Ready luminaire	● 21				●
	Casambi Ready luminaire	● 15				●
SENSOR	Casambi Ready occupancy sensor	● 9				●
SWITCH	Casambi Ready switch	● 5				●
APPLICATION	Casambi App on a smart mobile device	●				●
	<small>*Not mandatory for daily use.</small>					

**Functionality**

Casambi App on a Smart Mobile Device	●	Human Centric Lighting	●
Occupancy Detection	●	Calendar and Timer	●
Daylight Harvesting	●	Data Analytics	●

Learn about the products used in the space

Understand how the products are laid out in the space

Understand the benefits

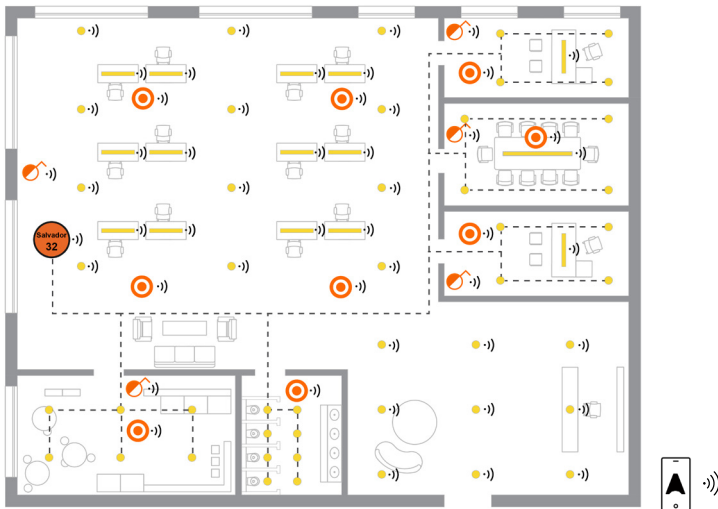
Understand what products would be needed to achieve the strategies

Learn what strategies can be implemented in the space

2 Salvador - V2.0 EN

For more information [www.casambi.com/ecosystem](http://www.casambi.com/ecosystem)

**CASAMBI**



- DALI luminaire
- Casambi Ready luminaire
- Casambi Ready luminaire
- Casambi Ready occupancy sensor
- Casambi Ready switch
- Casambi Salvador 32

--- DALI Bus

Casambi Ready luminaires, controllers and DALI luminaires can be programmed and controlled as a single Casambi network.

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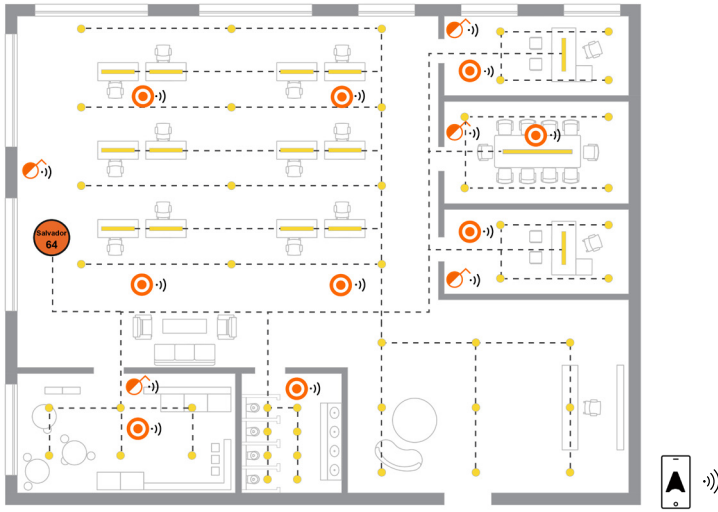
*Casambi Salvador Series have product versions with and without DALI supply. Depending on the version used, a power supply for the DALI bus might be needed.*






## Devices

LUMINAIRE	DALI luminaire	26	+	1	→	
	Casambi Ready luminaire	21				
	Casambi Ready luminaire	15				
SENSOR	Casambi Ready occupancy sensor	9				
SWITCH	Casambi Ready switch	5				
APPLICATION	Casambi App on a smart mobile device <i>*Not mandatory for daily use.</i>					

## Functionality

Casambi App on a Smart Mobile Device		Human Centric Lighting	
Occupancy Detection		Calendar and Timer	
Daylight Harvesting		Data Analytics	



-  DALI luminaire
-  DALI luminaire
-  Casambi Ready occupancy sensor
-  Casambi Ready switch
-  Casambi Salvador 64

- - - DALI Bus

Existing wired DALI installations can be converted to Casambi networks with the addition of a Salvador. Each Salvador can control up to 64 DALI luminaires. Controllers (switches and sensors) shall be Casambi Ready.

All DALI luminaires and Casambi Ready controllers can be combined together and controlled as a single Casambi mesh network, from the Casambi App.

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## Devices

LUMINAIRE	DALI luminaire
SENSOR	Casambi Ready occupancy sensor
SWITCH	Casambi Ready switch
APPLICATION	Casambi App on a smart mobile device <i>*Not mandatory for daily use.</i>



## Functionality

Casambi App on a Smart Mobile Device



Occupancy Detection



Daylight Harvesting



Human Centric Lighting



Calendar and Timer



Data Analytics













Recommissioning for new energy saving strategies and the addition of new sensors can be difficult in industrial spaces with high ceilings or hard-to-reach areas. Casambi's Salvador can be connected to an existing DALI bus to control up to 64 DALI luminaires individually, enabling them to become part of a Casambi mesh network. Multiple Salvadors can be part of the same Casambi mesh network, as long as the 250 nodes limit is adhered to. This allows ease of programming and control for all devices via the Casambi App.

The network can easily be extended later with the addition of new luminaires or devices, as shown here with exterior lighting.

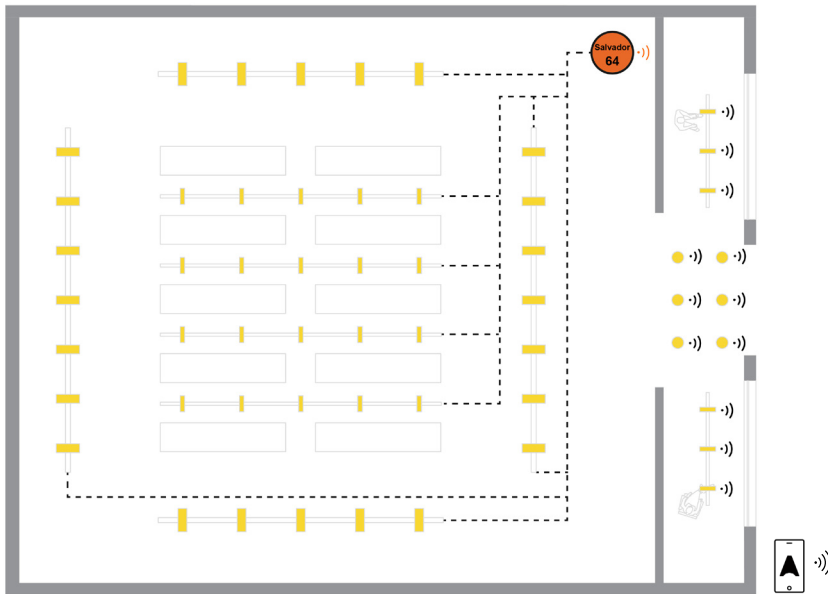
Casambi Salvador Series have product versions with and without DALI supply. Depending on the version used, a power supply for the DALI bus might be needed.





## Devices

LUMINAIRE	DALI luminaire	 116 +  2  
	Casambi Ready luminaire	 12
SENSOR	Casambi Ready occupancy sensor	 3 
APPLICATION	Casambi App on a smart mobile device <i>*Not mandatory for daily use.</i>	

## Functionality

Casambi App on a Smart Mobile Device		Calendar and Timer	
Occupancy Detection		Data Analytics	









-  Casambi Ready luminaire
-  Casambi Ready track luminaire
-  DALI track luminaire
-  Casambi Salvador 64

- - - DALI Bus

Connecting existing DALI tracks to a Salvador allows individual control of all 64 luminaires from the Casambi App. This way DALI luminaires become part of a hybrid Casambi network that contains both DALI luminaires, Casambi Ready luminaires and other devices from the Casambi Ecosystem.

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## Devices

LUMINAIRE	DALI track luminaire	 44 +  1 → 
	Casambi Ready track luminaire	 6
	Casambi Ready luminaire	 6
APPLICATION	Casambi App on a smart mobile device <i>*Not mandatory for daily use.</i>	

## Functionality

Casambi App on a Smart Mobile Device

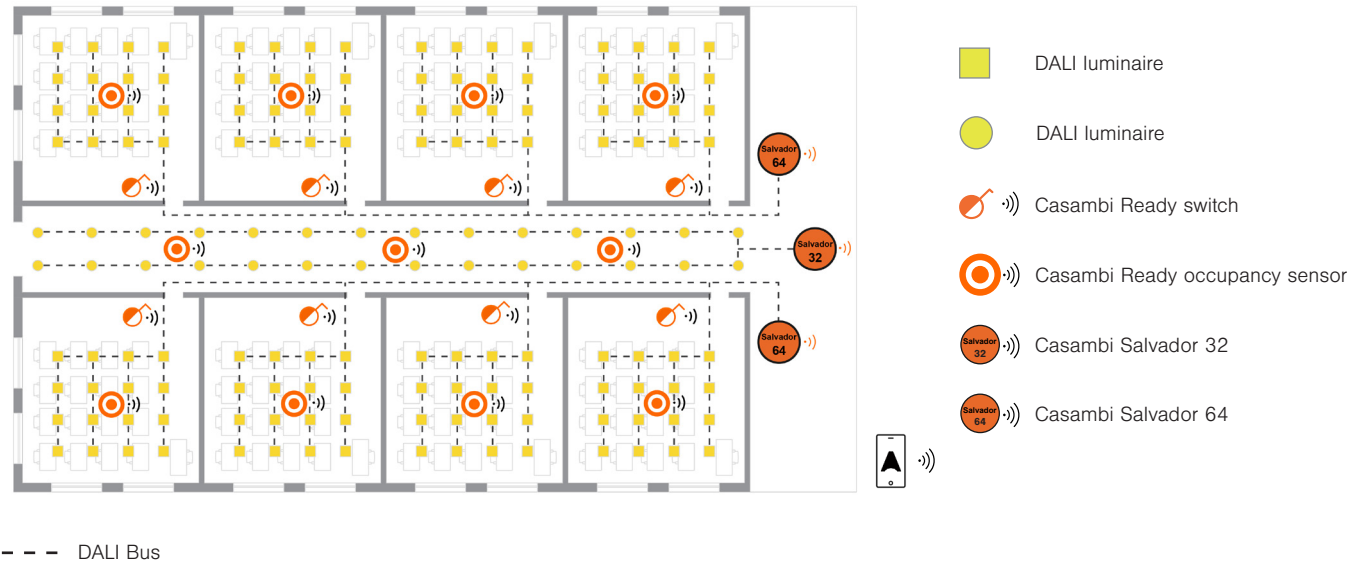


Data Analytics



Calendar and Timer





School refurbishments may happen in stages. Casambi provides full flexibility for future expansions. DALI luminaires in classrooms that are connected to a Salvador, in combination with Casambi Ready switches and sensors provides full scalability. Classrooms, corridors and other spaces can be combined to function as a single Casambi mesh network without additional wiring or hardware. This way all spaces can be controlled both independently and as a single network, providing more advanced functionality and a much better experience for occupants.

Casambi Salvador Series have product versions with and without DALI supply. Depending on the version used, a power supply for the DALI bus might be needed.

## Devices

LUMINAIRE	DALI luminaire	64	+		2	→	
	DALI luminaire	28	+		1	→	
SENSOR	Casambi Ready occupancy sensor	11					
SWITCH	Casambi Ready switch	8					
APPLICATION	Casambi App on a smart mobile device						
	<i>*Not mandatory for daily use.</i>						

## Functionality

Casambi App on a Smart Mobile Device		Human Centric Lighting	
Calendar and Timer		Data Analytics	
Daylight Harvesting			

# System Schematics

## Data support via the Casambi Cloud API

