

Highlights



Museums and cultural spaces - whether their focus is on art, science or history – are seeking to create an interesting and visually-appealing experience. It is here that lighting plays an important role: a good lighting design will exalt the masterpiece, enhance the intricate details of an item on display, evoke emotional resonance, all while simultaneously protecting the artefact from light damage. Appropriate luminaires in association with an intelligent lighting control system can be used to ensure that illuminance levels, brightness and color temperature are always adjusted to suit the specific needs of a particular exhibition.

Casambi's wireless lighting control technology contributes significantly to a modern-day revolution in how we display our historical locations and works of art because its solution is unconstrained by fixed controllers, cables, and complicated proprietary software. Casambi brings many benefits not only for the artwork but also for the exhibition space itself. The system allows the setting of lighting control scenes, dimming of illuminance levels, activation of lighting in response to presence detection, the use of daylight, controlling of blinds - to mention but a few of its capabilities. By using only the right light in the right place at the right time, this also contributes to energy conservation and maintenance cost reductions.

This design guide outlines how the versatility of Casambi wireless lighting control system can serve the diverse needs of museums, art spaces and heritage sites, whether indoor or outdoor. Casambi's state-of-the-art technology is aligned with the trends and dynamics of the Art & Culture sector, bringing further benefits beyond illumination, such as providing data to enhance visitor experience or allowing remote access for easier operation and maintenance.

Consultant & Lighting Designer

- Freedom in product choice & design flexibility
- Versatility and flexibility for all applications
- No complex wiring diagrams

Owner / Facilities Manager

- Reduced total cost of ownership
- Energy efficient & cost effective
- Simple reconfiguration without disruption
- Building accreditations
- Quick and easy device replacement – no reprogramming
- Remote access
- Efficient operations through iBeacons and data services

Installer & Commissioner

- Quick & easy to install
- No control cables needed
- Commission via the free app
- Ease of troubleshooting

Visitors / Building Occupants

- Unparalleled user and visitor experience
- Visual comfort & wellbeing
- Task tuning and personalization
- Human-centric lighting & customizable circadian profiles

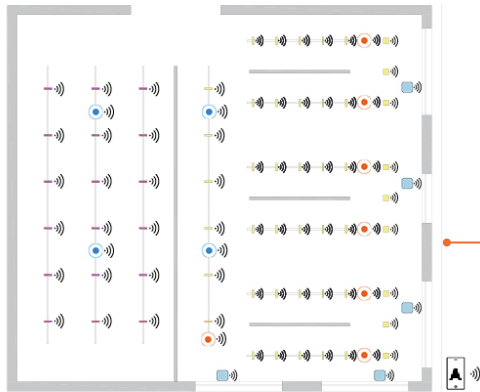
How to read this guide?

Room Type

Solution Type

1. Gallery

Individual Control



- Casambi Ready track luminaire
- Casambi Ready track luminaire
- Casambi Ready luminaire
- Casambi Ready air quality sensor
- Casambi Ready track mounted daylight sensor
- Casambi Ready blind controller

Benefits

Using data to enhance visitor experience: Casambi supports iBeacon profiles for those seeking a fully connected experience based on location awareness. iBeacon profiles are embedded into each Casambi device, helping to track the experience of visitors and extract knowledge from the use of physical space.

Devices

LUMINAIRE	Casambi Ready track luminaire	18	
	Casambi Ready track luminaire	36	
	Casambi Ready luminaire	9	
SENSOR	Casambi Ready track mounted daylight sensor	7	
	Casambi Ready air quality sensor	4	
OTHER	Casambi Ready blind controller	5	
APPLICATION	Casambi App on a smart mobile device <i>*Not mandatory for daily use.</i>		

Functionality

Casambi App on a Smart Mobile Device		Daylight Harvesting	
Calendar and Timer		Data Analytics	
Scenes			

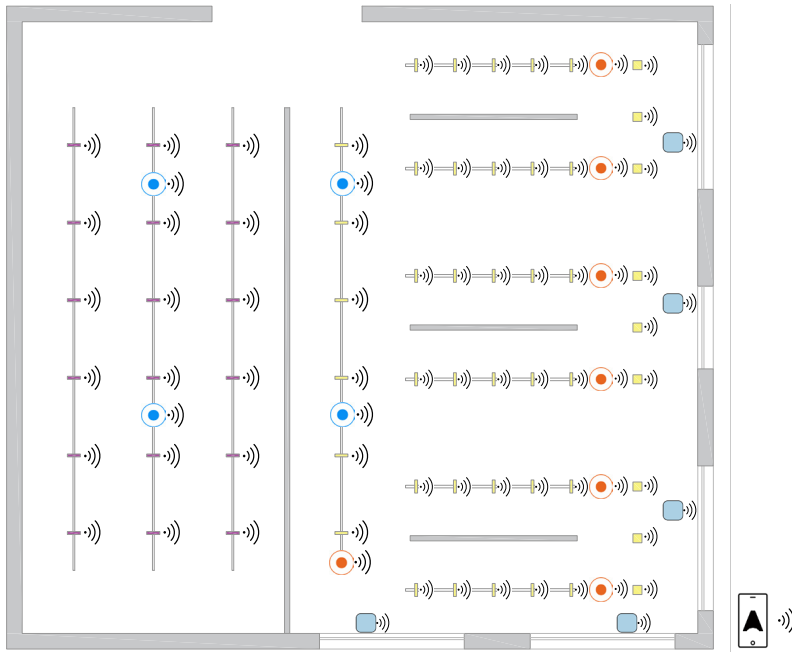
Learn about the products used in the space


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















-  Casambi Ready track luminaire
-  Casambi Ready track luminaire
-  Casambi Ready luminaire
-  Casambi Ready air quality sensor
-  Casambi Ready track mounted daylight sensor
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Functionality

Casambi App on a Smart Mobile Device



Daylight Harvesting



Calendar and Timer

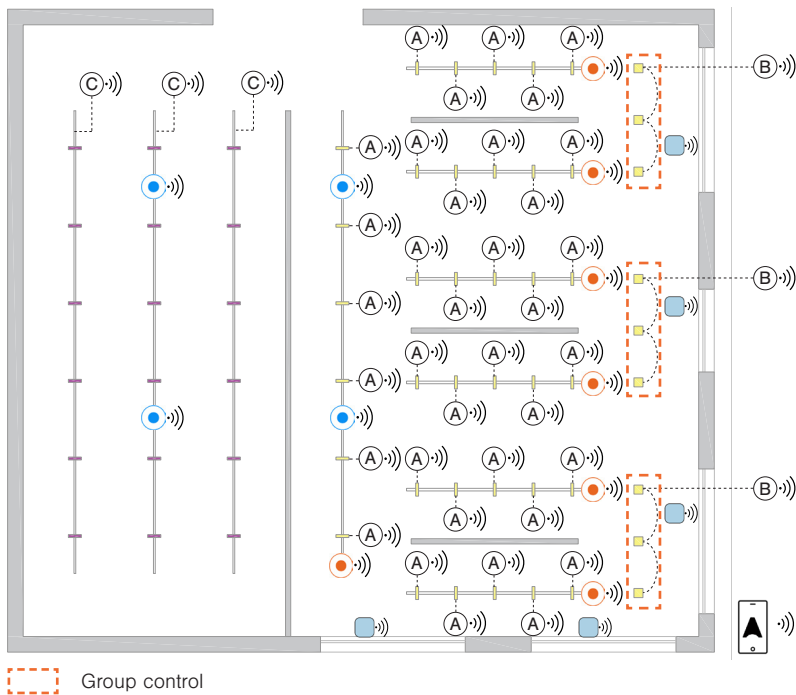


Data Analytics



Scenes





- Standard track luminaire DALI
- Standard track luminaire
- Standard luminaire DALI
- Casambi Ready In-Track driver
- Casambi wireless DALI controller
- Casambi wireless DALI controller
- Casambi Ready air quality sensor
- Casambi Ready occupancy and light sensor
- Casambi Ready blind controller

Devices

LUMINAIRE	Standard track luminaire
	Standard luminaire DALI
	Standard track luminaire DALI
SENSOR	Casambi Ready occupancy and light sensor
	Casambi Ready air quality sensor
OTHER	Casambi Ready blind controller
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



Scenes

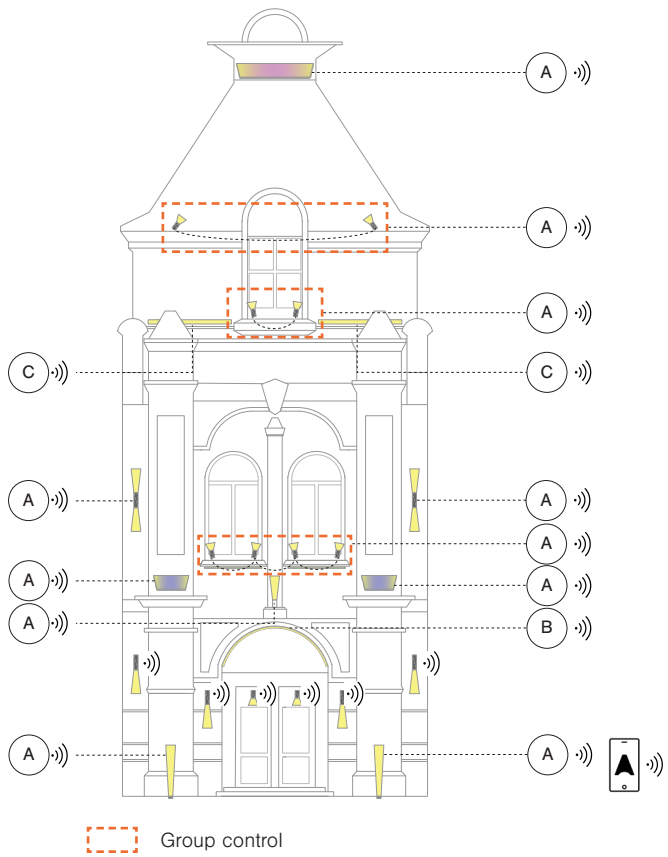


Daylight Harvesting



Data Analytics





- Standard Tunable White luminaire DALI
- Standard RGBW Luminaire DALI
- Casambi Ready luminaire
- Casambi Ready luminaire
- Constant voltage linear LED
- Linear LED with power supply
- Casambi wireless DALI controller
- Casambi Ready driver
- Casambi wireless 4-Channel PWM dimmer

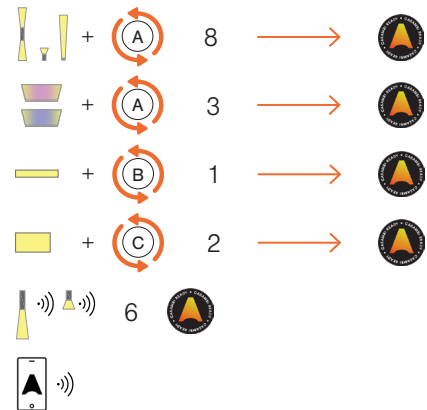
Benefits

Casambi Application: You can control the luminaires individually or create control groups anytime via the Casambi App.

Using Casambi Ready products would be the easiest and most economic option.

Devices

LUMINAIRE	Standard Tunable White luminaire DALI
	Standard RGBW luminaires DALI
	Constant voltage linear LED
	Linear LED with power supply
	Casambi Ready luminaire
APPLICATION	Casambi App on a smart mobile device <i>*Not mandatory for daily use.</i>

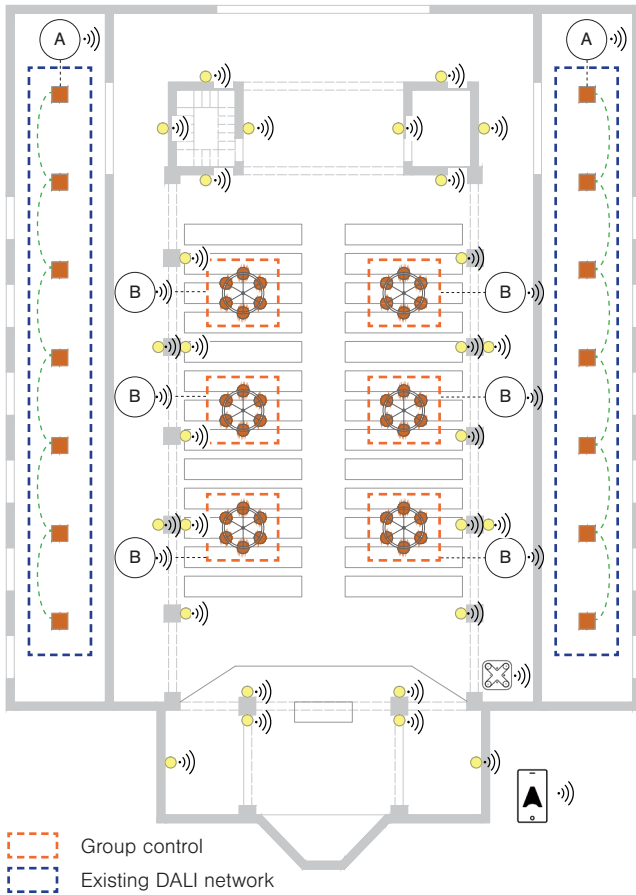









Functionality

Casambi App on a Smart Mobile Device

Calendar and Timer

Scenes



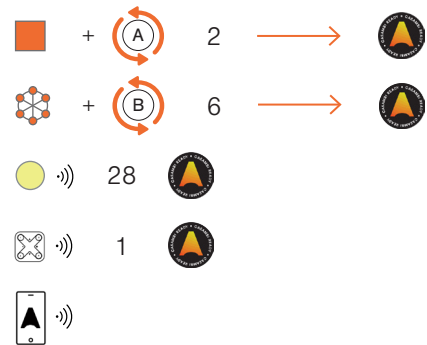
-  Decorative luminaire with dimmable LED lamps
-  Standard luminaire DALI
-  Casambi Ready luminaire
-  Casambi DALI Gateway
-  Casambi wireless phasecut dimmer
-  Casambi wireless Xpress switch
-  DALI Bus

Benefits

With the Casambi wireless DALI Gateway, existing DALI networks can be extended with wireless Casambi networks. DALI functions and controls can still be used, while benefiting from the flexibility of wireless Casambi BLE mesh network.

Devices

LUMINAIRE	Standard luminaire DALI
	Decorative luminaire with dimmable LED lamps
	Casambi Ready luminaire
SWITCH	Casambi wireless Xpress switch
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

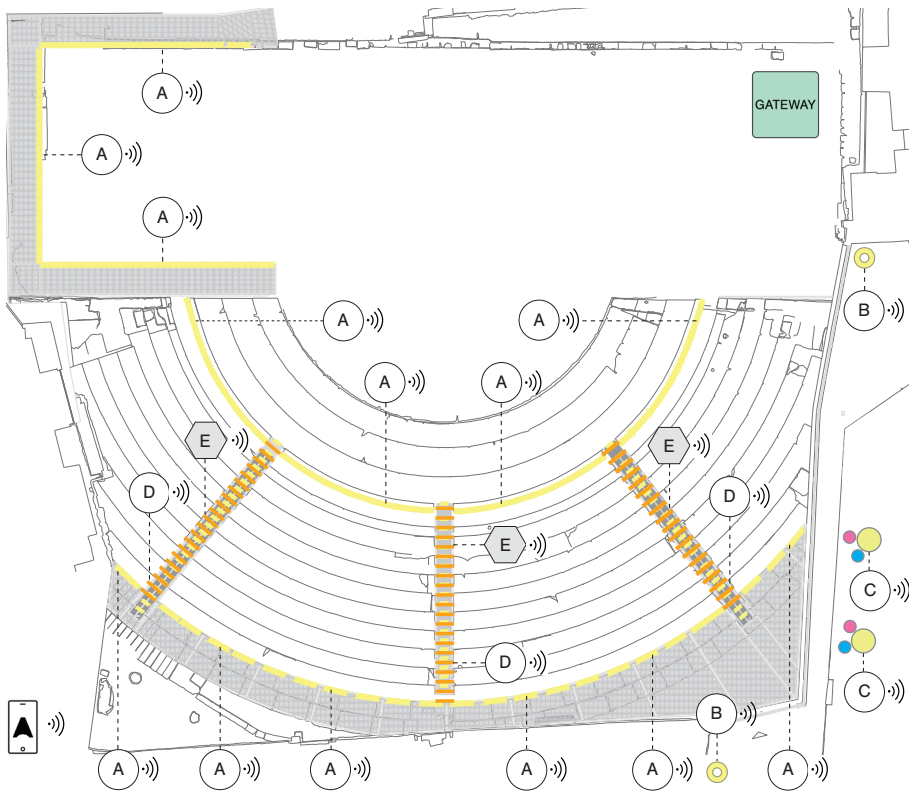


Scenes



Data Analytics





- Linear luminaire
- Pole with ZHAGA / NEMA socket
- RGBW DMX floodlights
- Stair luminaire
- Casambi Ready driver
- Casambi Ready ZHAGA/NEMA node
- Casambi DMX controller
- Casambi Ready relay
- Casambi Ready repeater

In case the distance between devices of a Casambi network is at the limit of the communication range, the range can be extended by using **repeaters**. Such devices can be simply paired to the network and programmed to only receive and repeat Bluetooth signals. Casambi ecosystem also contains IP rated repeaters for use in the outdoor environment.

Remote access
By using a **gateway** it is possible to access and control Casambi networks remotely. It can also be used for remote diagnostics and network monitoring.

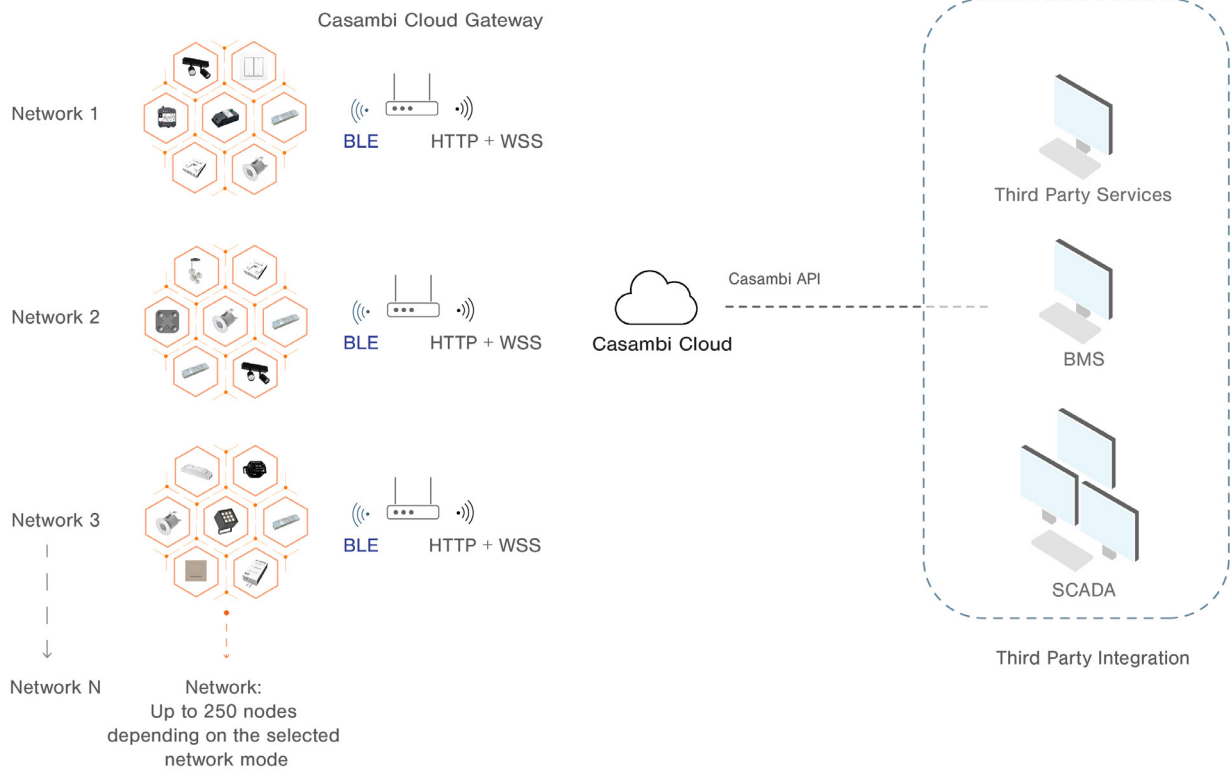
Devices

LUMINAIRE	Linear luminaire	+	13	→	
	Pole with ZHAGA / NEMA socket	+	2	→	
	RGBW DMX floodlights	+	2	→	
	Stair luminaire	+	3	→	
OTHER	Casambi to Cloud Gateway		1		
	Casambi Ready repeater		3		
APPLICATION	Casambi App on a smart mobile device <i>*Not mandatory for daily use.</i>				

Functionality

- Casambi App on a Smart Mobile Device
- Scenes
- Calendar and Timer
- Data Analytics

Linking multiple networks with Casambi Cloud Gateway



Linking multiple networks locally

