



caimeta®

AIoT LIGHTING SYSTEM

FOR THE CONNECTED AND DIGITAL ERA



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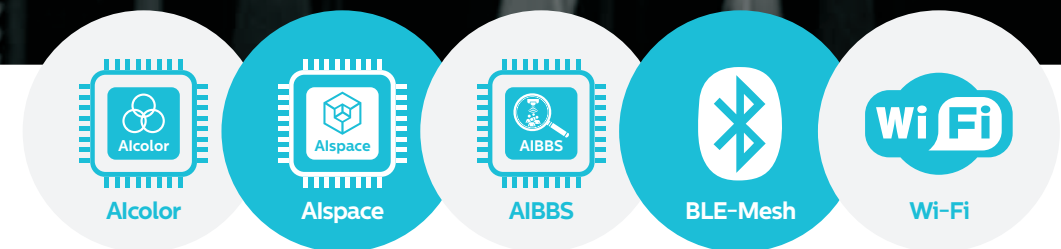
SMART
LIGHTING
CONTROL

What is caimeta® ?

The CAIMETA® platform is the world's first AI-powered lighting management and consumption data collection platform that combines two functions in a single package. It utilizes cutting-edge AI technology to achieve autonomous lighting control solutions that cater to the specialized color lighting needs of different products, reducing the difficulties of differentiation throughout the entire production and installation process. Through the CAIMETA® platform, merchants can better manage store lighting, collect and analyze customer shopping behaviors and preferences, understand customers' needs and consumption habits, and carry out targeted promotional and marketing activities. They can also optimize product display and presentation, improving product display effects and sales opportunities. At the same time, physical stores can use the platform's data analysis functions to understand store traffic and customer behavior, improving store operational efficiency and customer experience.



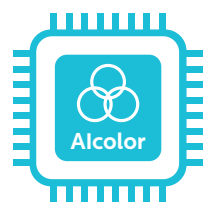
YouTube



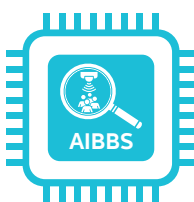
VALUE INNOVATION

More **value** with **CAIMETA®** innovation

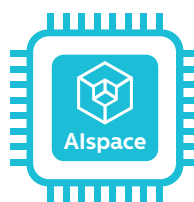
CAIMETA®, an intelligent lighting system with AI-powered color recognition, featuring intelligent lighting control, data collection and analysis for store optimization, and occupancy sensing for energy saving. It has three key technologies that bring you benefits beyond lighting.



Color recognition (Alcolor™) implemented using advanced AI algorithms brings great innovation to lighting, enabling the production and distribution of luminaires with reduced SKUs and easier installation. The system adapts to the automatically detected commodities type and color, ensuring that the emitted light is of the highest quality and most attractive to customers. This significantly reduces the need for product changes, allowing businesses to offer a wider range of products without compromising on quality.



Data collection and analysis (AIBBS™) for store optimization is another key feature of CAIMETA®, allowing shop owners to optimize their product development, traffic flow, and sales strategies to improve customer experience and increase sales. The system allows shop owners to collect data on each specified commodity and customer behavior, which can be used to identify patterns in commodity preference, identify busy and inefficient areas, and identify opportunities for future commodity development. By optimizing their store operations, shop owners can improve sales and provide customers with a better experience.



Occupancy sensing for energy saving (Alspace™) is another significant feature of CAIMETA®. The system incorporates occupancy sensing technology, which allows the system to adjust lighting levels and colors based on the presence or absence of customers in different areas of the store. This allows users to save money and reduce their environmental impact by reducing energy consumption.



Overall, **CAIMETA®** provides users with a personalized and efficient lighting solution that optimizes both lighting performance and energy consumption. Its advanced technology, **intelligent lighting control**, **data collection and analysis**, and **occupancy sensing** capabilities make it an effective solution for improving customer experience, increasing sales, and reducing energy consumption.

caimeta® PATENTS

2
PCT

5
Utility model
Patents

6
Innovation
Patents

THE KEY CAIMETA® BUSINESS AREAS

CAIMETA® is a widely popular business application platform that is widely applicable, mainly including the following categories:



- ▲ Car dealer
 - ▲ Improves the display of cars and makes them look shining and new under specified lighting conditions, and better understand your potential customers thanks to the in-store data.

- ▼ Furniture store
 - ▼ In the CAIMETA® light, furniture appears to be new rather than used, and upgrades your store with data management.



- ▲ Fashion store & boutique
 - ▲ With the CAIMETA® light, clothing and accessories looks higher end and better looking, also bring you data-driven for store management.
- ▼ Art gallery
 - ▼ Ensures the texture and color of art pieces are vivid.



- ▲ Supermarket & Food market
 - ▲ Enhances the freshness and appearance of food to attract shoppers.



- ▲ Exhibition
 - ▲ You knows your visitors traffic flows and heatmap of your booth with the CAIMETA® technology
- ▼ Museum
 - ▼



- ▲ Mineral & Crystal
 - ▲ The Alcolor™ provides the best lighting, which passes through the mineral and crystals, and further enhances the mineral, and crystals' inherent lustre, transparency, watery property, vividness, and cleanliness.

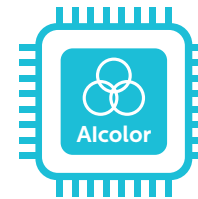
- ▼ Up-scaled Residential Application
 - ▼



What can
caimeta[®]
do for you?



YouTube



1

Adaptive Light Spectrum

Alcolor™, a colour sensing and super higher colour rendering system

Alcolor™ is a revolutionary lighting function that utilizes AI technology to achieve an adaptive light spectrum based on automatically detected commodity category and color. The AI algorithm inside actuates the lighting system to generate the best light spectrum for each specified commodity, effectively increasing sales and improving customer experience.



AUTO-MODE

The luminaires equipped with AI powered color sensor automatically adjust its light spectrum (CCT + Chromaticity Co-ordinate) based on detection, with a default detection interval of every 20 minutes. (For demonstration, the app can be used to adjust the response time to shorter than 20 min, such as 5 sec.)



TAKE PHOTO

By using "Take photo" on the app also can change the light spectrum same as the Auto-mode. However, once activated, the Auto-mode will be disabled unless it is re-activated.



MASTER & SLAVE

In a group, one of the CAIMETA® devices equipped with a sensor can be set as the Master device, and all the others will follow its light spectrum. This is extremely important to reduce the budgets costs or where all the lights need to look the same.



CUSTOMIZATION

The App's customization feature is well developed and easier for commissioning, it allows users to select the color temperature and then enhance the color that they need. It's pretty cool and simply to use.

TUNABLE WHITE?
COLOR FILTERS?
SPECIAL LEDs?

No



CAIMETA® ALL IN ONE DESIGN

Covering all lighting spectrum that you need



caimeta®

ADAPTIVE

INFINITY
LIGHT SPECTRUMS

300+ AlColor auto-sensing
lighting spectrums



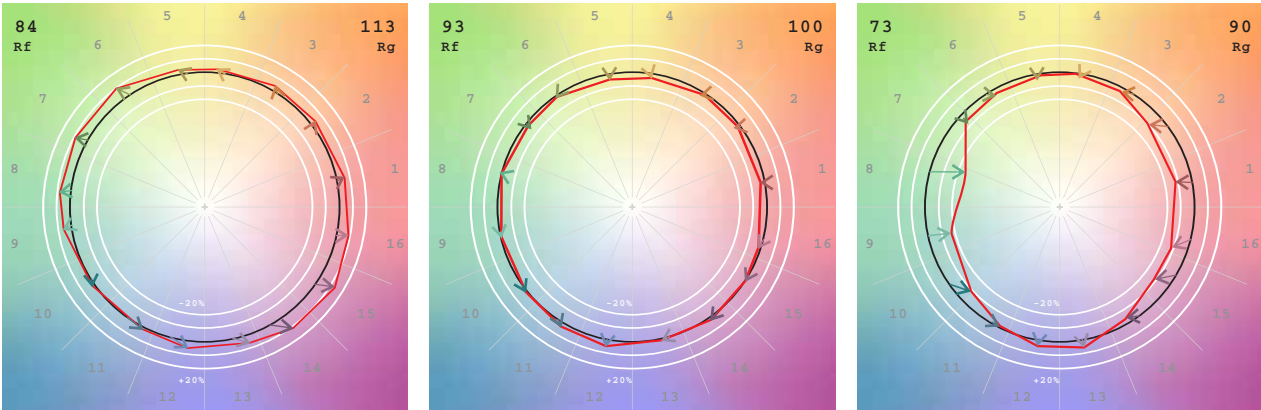
FEATURES & BENEFITS

- The W+RGB COB LED Solution broadens the lighting spectrum.
- Thanks to the Wide Gamut Area, various specified lighting spectra can be included.
- High CRI 95 with color enhancement for specified color with Rg ~110.
- Offers higher color gamut -- Gamut Area Index (GAI_BB15) value of ~110 (standard 90CRI LEDs are in the 50s)
- Renders all colors accurately -- including red with up to R9 ~95
- Fewer inventory and easier installation thanks to the all in one design and the automatic color recognition.
- Don't need the Color Filters and stock all different luminaires with specified LEDs.
- Until now, the Alcolor™ has enabled auto-sensing of 300 different lighting chromaticities, with infinite customization available.

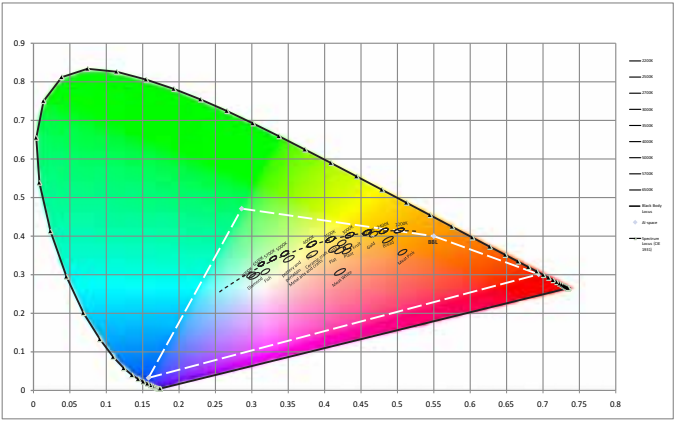
- Alcolor™ increasing your sales by enhancing the appearance of products.
- Alcolor™ provides a one4all lighting solution that meets all lighting color request.
- Alcolor™ ensures the highest lighting quality and best color for exhibits and commodities, even after hanging seasons.
- Thanks to Alcolor™, users can avoid the concern of unsuitable lighting for commodities and enjoy the best possible lighting for specified needs.
- Attracting shoppers. differentiating your brand in a crowded market.

TECH KNOW HOW

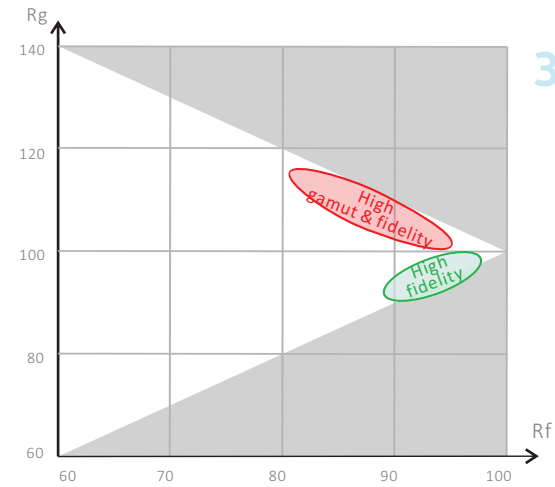
TM-30, The Gamut Index Rg & Color Enhancing



CAIMETA® Covers Wider Gamut Area — ALL IN ONE



CAIMETA® Rf - Rg Diagram



1. Usually, a higher Rg enhances the visual attractiveness of the product, giving it a fresh and attractive appearance to customers. However, excessively high Rg can lead to distortion.
2. CAIMETA® covers wider gamut area, reaching where every commodity need. In theory, all chromaticity within the triangular area can be achieved.
3. CAIMETA®: Automated Balancing for Vibrant and Accurate Colors in Optimal Lighting.

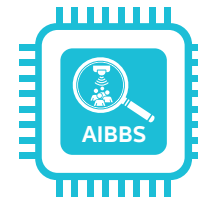
Traditional or CAIMETA®: WHAT IS THE DIFFERENCE?



What can
caimeta[®]
do for you?



YouTube



2

AI business boost system for retailers, add more value beyond lighting

The AIoT lighting control for the store of the future

The Kinglumi AIBBS™ system helps to collect the physical store shopping data, similar to the online shopping data, which is real time updated. It brings the possibility to know the Product Views, Picks, and Trends; these help the store or supermarket operation.

Providing seamless experiences to a new generation of hyper-connected customers, while faster and better than competitors.



Data-driven



Dwell



Heatmap



Dashboard



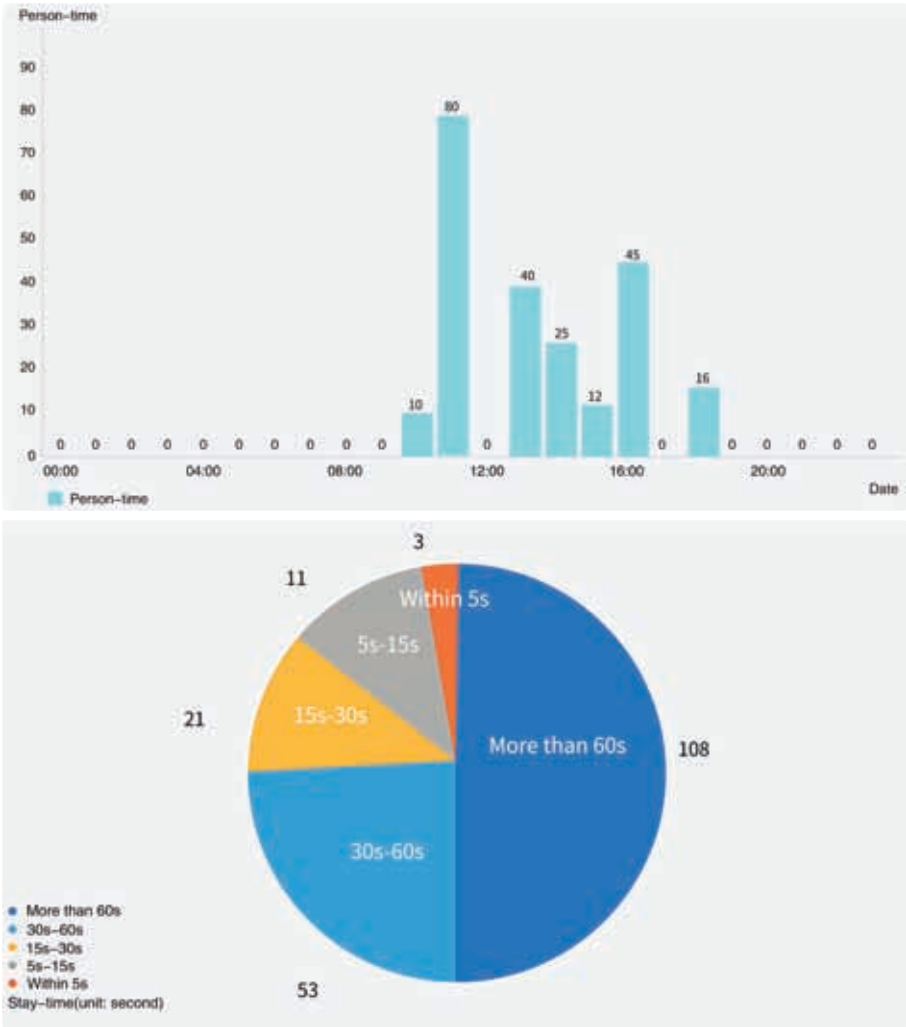
API Interface

Features & Benefits

AIBBS™ addresses the biggest challenges physical stores facing. It collects data: shopper number, dwell time, store name, and region data based on specific commodities, and it can provide several benefits:

- **IMPROVED SALES PERFORMANCE**
By analyzing the data collected, stores can identify strengths and weaknesses in their sales performance. They can take actions to improve their sales performance by creating more effective marketing campaigns or adjusting pricing strategies.
- **IMPROVED INVENTORY MANAGEMENT**
By tracking the purchasing behavior of shoppers in specific regions, stores can better manage their inventory. They can make data-driven decisions on what products to stock, how much to stock, and when to stock them.
- **BETTER CUSTOMER EXPERIENCE**
By monitoring the dwell time of shoppers, stores can identify high-traffic areas that require more attention. They can also identify areas that are not attractive to shoppers and make changes to improve the customer experience.
- **PERSONALIZED MARKETING**
By collecting data on shopper number, stores can classify their shoppers and create personalized marketing campaigns. They can target specific customers with relevant offers or advertisements.
- **COMPETITIVE ADVANTAGE**
By leveraging the data, stores can gain a competitive advantage over their competitors. They can use the insights gained to create a better shopping experience, improve customer service, and increase sales.
- **ADMINISTRATION BY DIFFERENT POSITION**
Different position of management and staff has the different access to the data and dashboard.

Current Dashboard



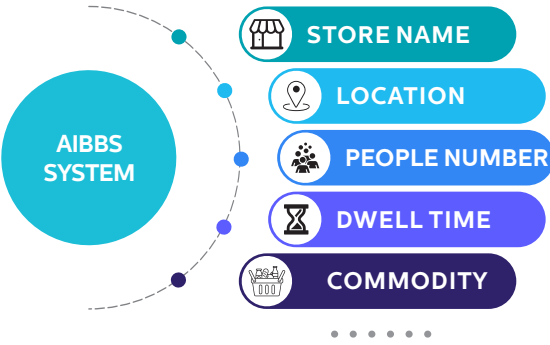
Revolutionizing Retail Intelligence: AIBBS's Future

The upcoming AIBBS system, powered by sensors, AI, and cloud, revolutionizes physical stores. Similar to online shops, it empowers retailers with objective data analysis. AI automate insights into consumer behavior, aiding precise decisions. AIBBS enhances data access, becoming a strategic business partner. It captures real-time data through advanced sensors, while AI reveal consumer trends. An upgraded interface simplifies information management. AIBBS delivers value to retailers and enterprises, evolving from data tool to strategic ally. It facilitates smart decisions, boosts efficiency, ensuring competitiveness in the market.

Store Heatmap



Data Collection Metrics



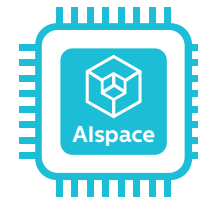
Pipeline



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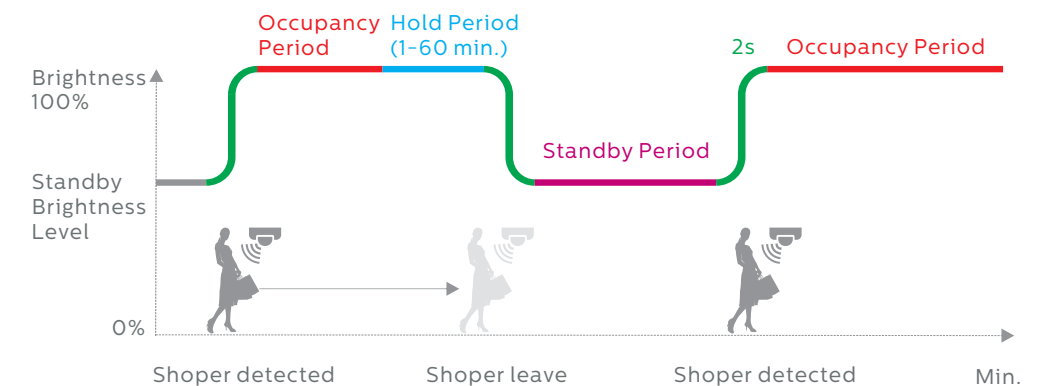
3

Energy Management

Alspace™ full space AIoT scenes light system

Alspace™ revolutionizes retail lighting with AIoT capabilities, saving energy and enhancing shopping experience. It sets light scenes based on traffic and conditions, dimming lights when the area is empty. This sustainable solution reduces CO2 emissions. Alspace™ leads technological advancements in retail lighting, and ensuring a consistent brand experience while saving energy costs.

Excellent energy saving with AI algorithms



Features & Benefits

- Greater energy saving thanks to the vacancy detection.
- Configurable vacancy light level and vacancy time.
- Real time detecting and lighting control.
- Excellent energy saving with AI algorithms.
- Tailored to meet the specific needs of users and their spaces.

caimeta® APP



To download an app with a QR code

caimeta®
APP INTERFACE



CAIMETA® System Features & Benefits

- Reliable, cost-effective, and future-proof wireless AIoT lighting control solution.
- Scalability, control over 400 nodes simultaneously without delay.
- Up to 20 meter wireless control.
- Low energy consumption .
- Decentralized BLE MESH networking control.
- The software constantly evolves to be maintained and adapted to new devices and protocols.

The CAIMETA® lighting control solution provides all the control options that are expected from a full-featured professional lighting control solution. Includes: Grouping, Switching, Dimming, Tuning, Light color, ect.

And also brings new features such as: Color Enhancement*, Power Setting*, Master-Slave, Auto-mode, Take photo, Customization, and Scenes.

CAIMETA® APP Features & Benefits

- Easier operations and maintenance.
- Simpler light color controls with AI technology.
- With Color Enhancement function.
- New features and firmware updates performed over-the-air (OTA).
- Custom apps service available on request.
- Support iOS & Android apps.

Color enhancement

The spotlight default to have this function, while also can be adjusted by the app through "take photo" or "customization".

Power setting

Enable the luminaires to be set to other wattage; this feature is independent of dimming control.

**DISCOVER MORE ON
CAIMETA®**



Security and Compliance

Bluetooth SIG certified BLE MESH controller
Wi-Fi alliance certified Wi-Fi controller

Access Control Management

- App registration and store management under App.
- Encryption on devices and App.

Control Security

- Auto-mode: fully control by built-in sensor & AI software without any external connection.
- App control: local network control by BLE MESH communication, not need Wi-Fi.

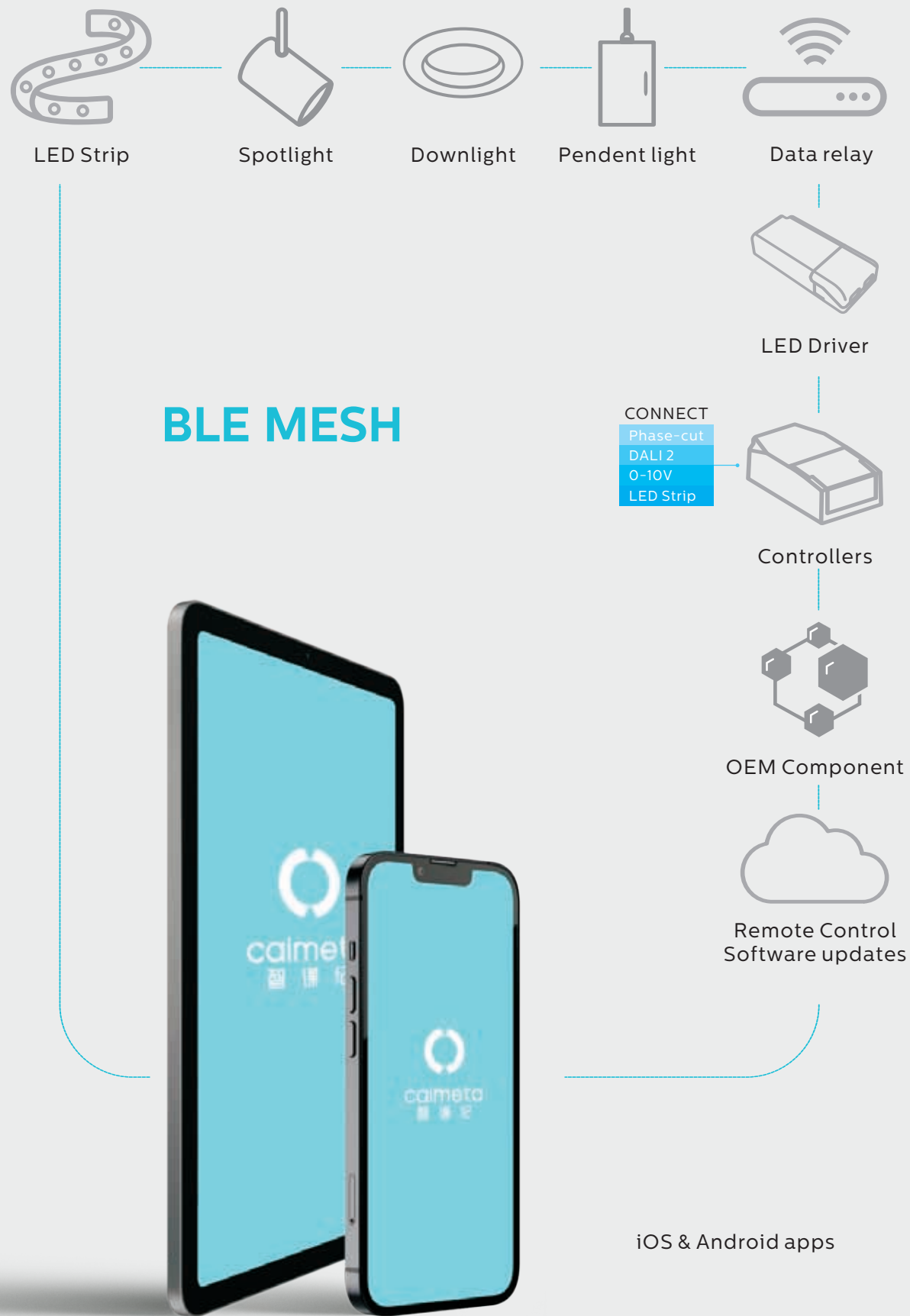
Cloud Service Security

- OTA(Over-The-Air), AIBBS: request Wi-Fi connection, function disabled unless activation.
- OTA by App serviced through Apple App Store and Google Play Store.

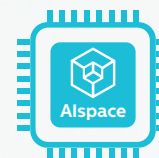
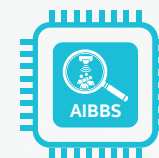
Data Service Security:

- AIBBS data storage in Amazon cloud in Tokyo, Japan.

EXPLORE THE CAIMETA® SMART LIGHT RANGE



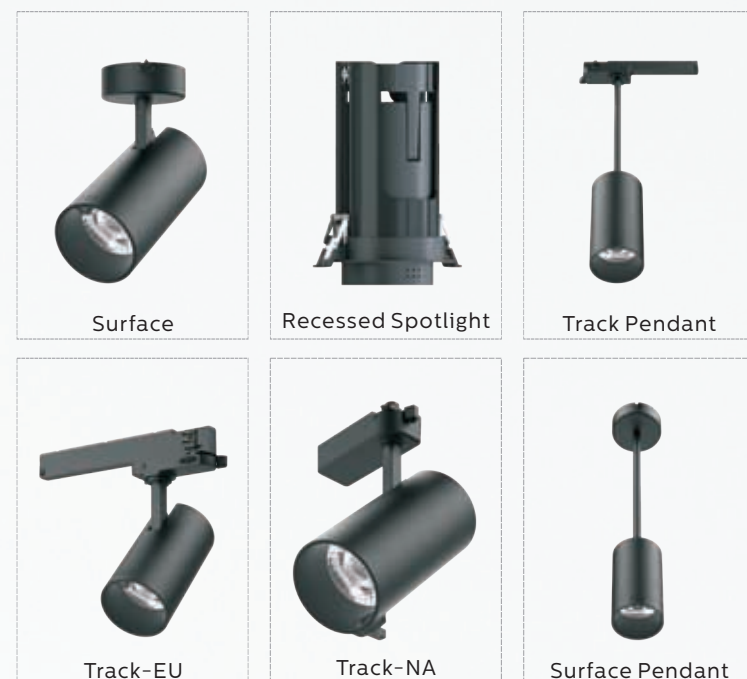
caimeta®



META 2

Spotlights & Pendant Lights

The Meta 2 series is 2nd generation of the CAIMETA® enabled AIoT spotlight portfolios, which revolutionizes retail lighting industry. The design is compact and sleek, and more cost-effective, covering almost five different installations, two sizes and four beam spreads, these lights are designed to provide personalized shopping experience and in-store insight.



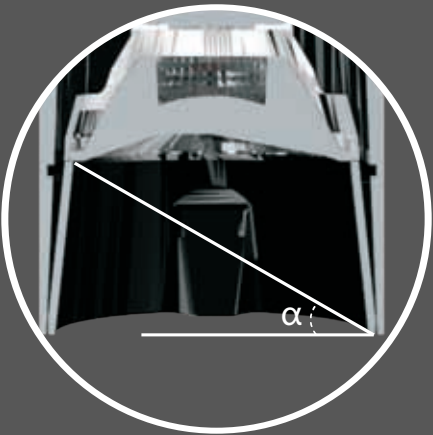
PERFECT USER
EXPERIENCE



Protractor



Sensor



30° Shielding Angle



90° Tilt



360° Rotation



Patented Design



The Meta 2 series equipped with dual, single or without sensors, details as following:



Meta 2 Pro Dual
With dual sensors

Alcolor™
Take photo
Customization
Power Setting
Master/Slave
Alspace™
Auto-mode
AIBBS



Meta 2 Pro
With single sensor

Alcolor™
Take photo
Customization
Power Setting
Master/Slave
Alspace™
Auto-mode



Meta 2
Without sensor

Alcolor™
Take photo
Customization
Power Setting
Slave

- Features Highlight**
- Over 10 granted patents.
 - AloT smart devices for CAIMETA® system.
 - AIBBS™, Alcolor™, Alspace™ enabled.
 - Wireless control via iOS and Android app.
 - 5 different installations.
 - Wide gamut covering light spectrum for all application requirement.
 - Flicker Free compliant with IEEE 1789, ErP 2024 &Ecodesign.
 - Solid state electronic, Class II compliant.
 - Anti-glare with 30° cut-off angle.
 - Precise control of beam angle.
 - This product contains a light source of energy efficiency class F to Regulation EU 2019/2015.
 - 360° horizontal rotation and 90° vertical adjustability.
 - Sleek, compact cylinder housing with no visible screws.
 - Die-casting aluminum passive cooling achieved by innovative thermal design.
 - Patented track adaptor drivers provide a clean finish and enhance the high-end aesthetic.

- Benefits**
- AI intelligent lighting, one for all; fewer SKUs.
 - More engaging shopping experience thanks to the CAIMETA® lighting performance.
 - Data-driven for in-depth retail store analytics.
 - Dashboard for store management, including heat-map, customers counting, etc.

Meta 2 Pro DUAL Ordering Guide							
Installation	Wattage — Lumen — Max. intensity				Beam angle	Color	
	W		lm		°		
4wire 3circuit track	15	—	1150	—	8400	15	BK
2wire 1circuit track	30	—	2300	—	18600	24	WH
Surface spot						36	
Recessed spot							

Meta 2 Pro Ordering Guide							
Installation	Wattage —		Lumen —		Max. intensity	Beam angle	Color
	W		lm		cd	°	
4wire 3circuit track	15	—	1150	—	8450	15	BK
2wire 1circuit track	30	—	2300	—	18600	24	WH
Surface spot						36	
Recessed spot							
Ceiling pendant							
4wire 3circuit track pendent							
2wire 1circuit track pendent							

Meta 2(without sensor) Ordering Guide							
Installation	Wattage —		Lumen —	Max. intensity		Beam angle	Color
	W		lm		cd	°	
4wire 3circuit track	20	—	1600	—	9550	15	BK
2wire 1circuit track	30	—	2300	—	18600	24	WH
Surface spot						36	
Recessed spot							
Ceiling pendant							
4wire 3circuit track pendent							
2wire 1circuit track pendent							

For North America Market

Meta 2 Pro DUAL Ordering Guide							
Installation	Wattage —		Lumen —		Max. intensity	Beam angle	Color
	W		lm		cd	°	
J-type track	15	—	1150	—	8450	15	BK
H-type track	30	—	2300	—	18600	24	WH
Surface spot						36	

Meta 2 Pro Ordering Guide							
Installation	Wattage —		Lumen —		Max. intensity	Beam angle	Color
	W		lm		cd	°	
J-type track	15	—	1150	—	8450	15	BK
H-type track	30	—	2300	—	18600	24	WH
Surface spot						36	
Ceiling pendant							
J-type track pendent							
H-type track pendent							

Meta 2(without sensor) Ordering Guide							
Installation	Wattage —		Lumen —		Max. intensity	Beam angle	Color
	W		lm		cd	°	
J-type track	20	—	1600	—	9550	15	BK
H-type track	30	—	2300	—	18600	24	WH
Surface spot						36	
Ceiling pendant							
J-type track pendent							
H-type track pendent							

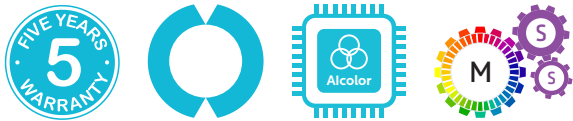


- Features& Benefits Highlight**
- Elevate art spaces with precise contour lighting, casting captivating shadows and illuminating details.
 - Over 10 granted patents
 - AIoT smart devices for CAIMETA® system
 - Alcolor™ technology for vibrant hues
 - Wireless control via iOS and Android app
 - Mastering light quality with minimalist design
 - Flicker Free compliant with IEEE 1789, ErP 2024 &Ecodesign
 - Solid state electronic, Class II compliant
 - This product contains a light source of energy efficiency class F to Regulation EU 2019/2015
 - 360° horizontal rotation and 90° vertical adjustability.
 - Sleek, screw-free cylinder design.
 - Die-casting aluminum passive cooling.
 - Patented track adaptor drivers provide a clean finish and enhance the high-end aesthetic.



META 2

Contour Spotlights



Illuminate museum and art spaces with precision using our advanced lighting solution. Achieve captivating displays with contour lighting, highlighting intricate details and creating captivating shadows. Benefit from AIoT smart devices, seamlessly integrating into the CAIMETA® system, enabling intelligent control. Experience the power of Alcolor™ technology, producing vibrant hues that bring artwork to life. Enjoy wireless control via iOS and Android, ensuring effortless management. Our design merges superior light quality with minimalist aesthetics, adhering to Flicker Free standards and offering 360° rotation and 90° adjustability. Illuminate art with precision, transforming museums and galleries into captivating showcases of creativity.

Meta 2 Contour Spotlights Ordering Guide

Installation	Wattage — Lumen		Beam angle	Color
	W	lm		
4wire 3circuit track	20	— 500	24-40	BK
2wire 1circuit track	30	— 750	50-60	
Surface spot				

For North America Market

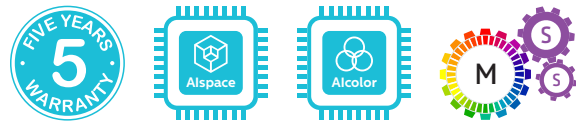
Meta 2 Contour Spotlights Ordering Guide

Installation	Wattage — Lumen		Beam angle	Color
	W	lm		
J-type track	20	— 500	24-40	BK
H-type track	30	— 750	50-60	
Surface spot				



AiSCENE

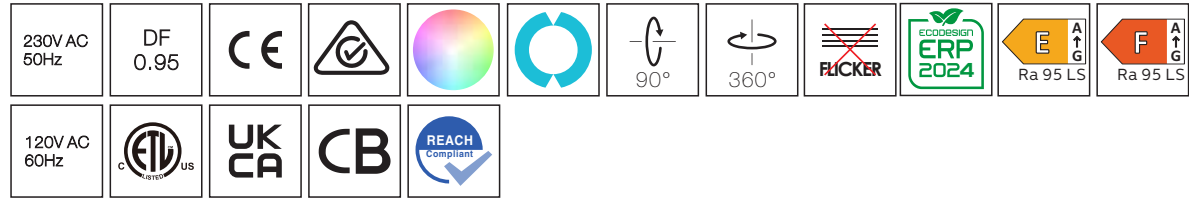
Spotlights & Pendent Lights



Elevate your retail lighting with the groundbreaking AiSCENE™ series—the inaugural CAIMETA®-enabled AIoT spotlights. These luminaires redefine the industry, boasting a blend of compact design, sleek aesthetics, and cost-effectiveness. Designed to suit a range of installations, sizes, and beam spreads, AiSCENE™ spotlights are tailored to enhance personalized in-store shopping experiences. Seamlessly integrated into the CAIMETA® ecosystem, they embody intelligent, automated, and AI-driven light color enhancement and control. Revolutionize the way you illuminate retail spaces with AiSCENE™, setting a new standard in lighting innovation.



YouTube



Features& Benefits Highlight

- Pioneering Patents: Over 10 granted patents underline our innovation.
- Smart Synergy: AIoT devices seamlessly integrate into CAIMETA®.
- Dynamic Illumination: Experience Alcolor™ and AIspace™ brilliance.
- Effortless Command: Wireless control via iOS and Android app.
- Flexible Installation: Choose from 3 setup options.
- Complete Coverage: Wide gamut suits diverse applications.
- Flicker-Free Assurance: IEEE 1789, ErP 2024, Ecodesign compliant.
- Comfortable Glow: 15° anti-glare cut-off angle prioritizes comfort.
- Energy-Efficient: Complies with EU Regulation 2019/2015, class E & F.
- Custom Orientation: 360° horizontal rotation, 90° vertical adjustability.
- Sleek Sophistication: Screw-free, compact cylinder design.

AiSCENE Pro Ordering Guide

Installation	Wattage — Lumen — Max. intensity			Beam angle	Color
	W	lm	cd		
4wire 3circuit track	25	— 2100	— 5300	25	BK
2wire 1circuit track	35	— 3300	— 9300	40	WH
Surface spot					
Ceiling pendant					
4wire 3circuit track pendent					
2wire 1circuit track pendent					

AiSCENE (without sensor) Ordering Guide

Installation	Wattage — Lumen — Max. intensity			Beam angle	Color
	W	lm	cd		
4wire 3circuit track	25	— 2100	— 5300	25	BK
2wire 1circuit track	35	— 3300	— 9300	40	WH
Surface spot					
Ceiling pendant					
4wire 3circuit track pendent					
2wire 1circuit track pendent					

For North America Market

AiSCENE Pro Ordering Guide

Installation	Wattage — Lumen — Max. intensity			Beam angle	Color
	W	lm	cd		
J-type track	25	— 2100	— 5300	25	BK
H-type track	35	— 3300	— 9300	40	WH
Surface spot					
Ceiling pendant					
J-type track pendent					
H-type track pendent					

AiSCENE (without sensor) Ordering Guide

Installation	Wattage — Lumen — Max. intensity			Beam angle	Color
	W	lm	cd		
J-type track	25	— 2100	— 5300	15	BK
H-type track	35	— 3300	— 9300	40	WH
Surface spot					
Ceiling pendant					
J-type track pendent					
H-type track pendent					



META 2

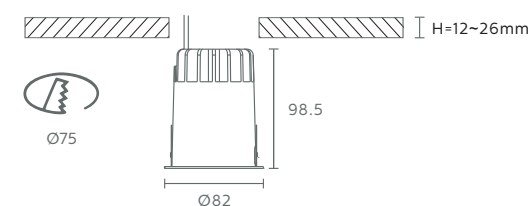
Downlight Fix

The Meta 2 FIX downlight is designed to optimize the entire CAIMETA® ecosystem, in order to meet high-end general lighting needs and enhance lighting effects. It utilizes W+RGB COB LED, which provides a wide range of light colors, and features a deep regress optics and a 30-degree cut-off angle, which prevents glare lights and creates a comfortable lighting environment.



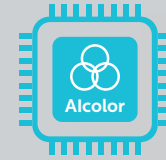
Features& Benefits Highlight

- Over 10 granted patents .
- AloT smart devices for CAIMETA® system.
- Alcolor™, control by “take photo”, “customization” and “slave mode”.
- Anti-glare with 30° cut-off angle.
- Wireless control via iOS and Android app.
- Wide gamut covering light spectrum for all application requirement
- Flicker Free compliant with IEEE 1789, ErP 2024 &Ecodesign.
- This product contains a light source of energy efficiency class F to Regulation EU 2019/2015.
- Solid state electronic, Class II compliant.
- Sleek, compact cylinder housing and no visible screws.
- Die-casting aluminum passive cooling achieved by innovative thermal design.
- Passive cooling achieved by innovative thermal design.



Meta 2 downlight fix(without sensor) Ordering Guide

Installation	Wattage	Lumen	Max. intensity	Beam angle	Color
	W	lm	cd	°	
Recessed downlight fix	20	1600	9550	15,24,36	BK, WH



META 2
Downlight Tilt



The Meta 2 downlight is a recessed lighting fixture that is designed to optimize the CAIMETA® technology platform for a variety of retail, hospitality, commercial, and upscale residential applications. This fixture features dimming and a wide range of gamut area (W+RGB), as well as a circular mechanical design.

The Meta 2 downlight comes in both round and square trim options, as well as trimless options, with the following color options: Trim: white, black, Cone: white, black, matte silver, specular. Additionally, optional glare control accessories are also available.

Features & Benefits Highlight

- Available cut-out size options: 55mm, 75mm, or 95mm.
- Interchangeable components: Trim, Reflector, Lens, LED engine, and Driver.
- Deep regress optics design and excellent glare control.
- Over 10 granted patents .
- AloT smart devices for CAIMETA® system.
- Alcolor™, control by “take photo”, “customization” and “slave mode”.
- Wireless control via iOS and Android app.
- Wide gamut covering light spectrum for all application requirement.
- Flicker Free compliant with IEEE 1789, ErP 2024 &Ecodesign.
- This product contains a light source of energy efficiency class F to Regulation EU 2019/2015.
- Solid state electronic, Class II compliant.
- Die-casting aluminum passive cooling achieved by innovative thermal design.

Meta 2 Downlight Tilt(without sensor) Ordering Guide

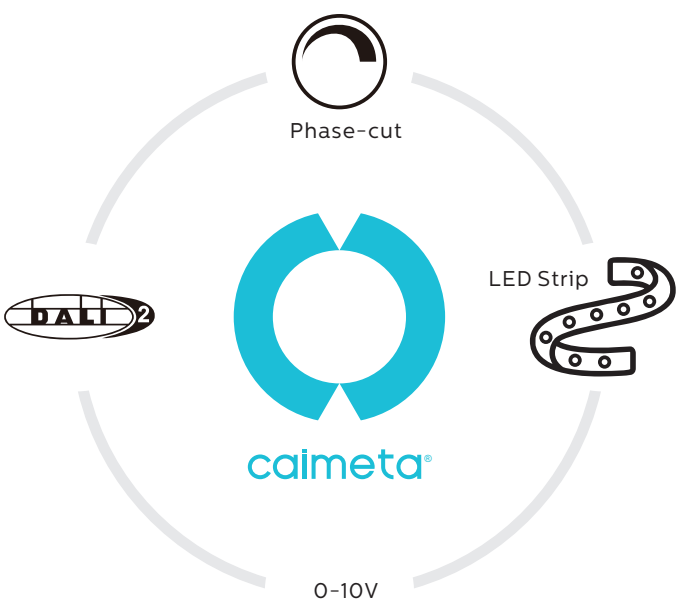
Installation	Wattage — Lumen — Cut-out				Beam angle	Color
	W	—	lm	— mm		
Trimless	6	—	450	— 55	24	WH
Recessed with trim	15	—	1100	— 75	36	
	20	—	1500	— 95	50	



caimeta®

BLE MESH CONTROLLERS

To upgrade the traditional lighting products into the wireless control, connect them to the CAIMETA® DALI 2, Phase-cut, 0-10V or LED strip controllers. These controllers provide wireless control of traditional lighting, including ON/OFF, dimming, tuning, and color change, within a range of 20 meters. Compared to traditional lighting systems, these controllers offer numerous advantages, such as convenience, low cost, high flexibility, comprehensive functions, memory function, and easy installation. Additionally, they feature short-circuit protection, open-circuit protection, and heat protection.



Phase-cut BLE Mesh Controller

Suitable for trailing edge dimming only



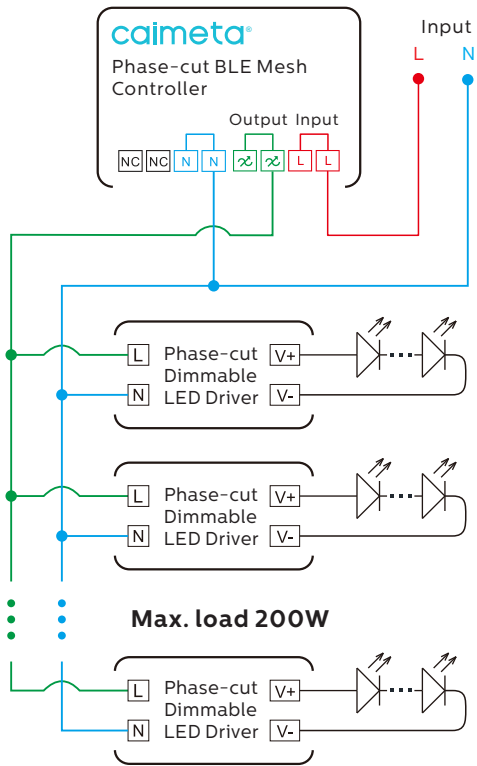
Features & Benefits Highlight

Enables to connect Phase-cut luminaires and drivers using CAIMETA® wireless technology. The product brings advantages:

- Easy control: achieve Bluetooth connecting and control the lights, Max. 20 meters wirelessly through a mobile app.
- Achieve wireless on/off, 0-100% dimming.
- Memory function: switch-on with last brightness.
- Max. load: up to 200W phase-cut dimmable luminaires.
- Independent Installation: Built-in cable clamp, suitable for any remote installation.
- Easy wiring: push-fit terminals with through wiring, no screw fixing, making it easier to install.
- Short-circuit protection, open-circuit protection, and heat protection: to ensure the safety and reliability of the controller.

Wiring Diagram

CAIMETA® APP→Phase-cut



Product code	Input voltage	Max. load	Load type	Dimming range	Displacement Factor	Standby Power	Dimension
	Vac	W		%		W	mm
R94003	220-240	200	RC	0-100	0.95	<0.5W	86x52x30

DALI 2 BLE Mesh Controller

Suitable for DALI 2 Devices Type 6 and Type 8 Tc



RGBCW LED strip BLE Mesh Controller

Suitable for constant voltage LED strip

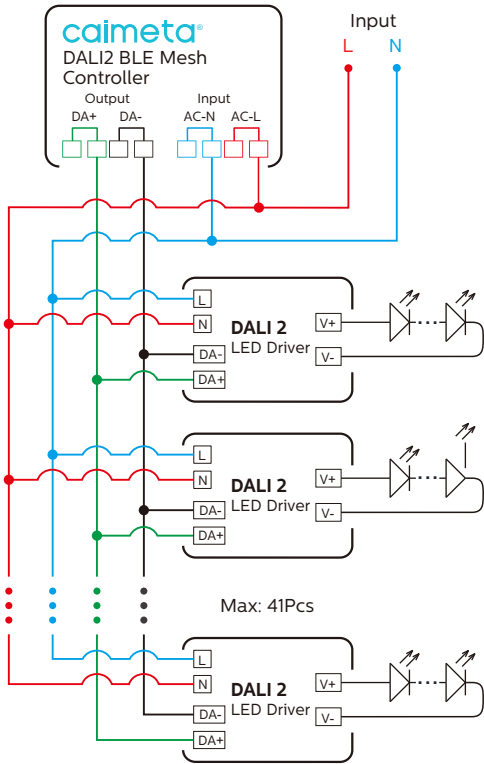


Features & Benefits Highlight

Enables to connect DALI-2 DT6 and DT8 Tc luminaires and drivers using CAIMETA® wireless technology. The product brings advantages:

- Easy control: achieve Bluetooth connecting and control the lights, Max. 20 meters wirelessly through a mobile app.
- Low cost: compared to DALI devices, allowing users to achieve lighting control at a lower cost.
- Achieve wireless on/off, 0-100% dimming, and color temperature tuning(for DT8 Tc).
- Built-in DALI power supply: Max.outputs 82mA (up to 41 DALI devices).
- Memory function: switch-on with last brightness and color temperature
- Independent Installation: built-in cable clamp, suitable for any remote installation.
- Easy wiring: push-fit terminals with through wiring, no screw fixing, making it easier to install.
- Short-circuit protection, open-circuit protection, and heat protection: to ensure the safety and reliability of the controller.

Wiring Diagram
 CAIMETA® APP→DALI 2

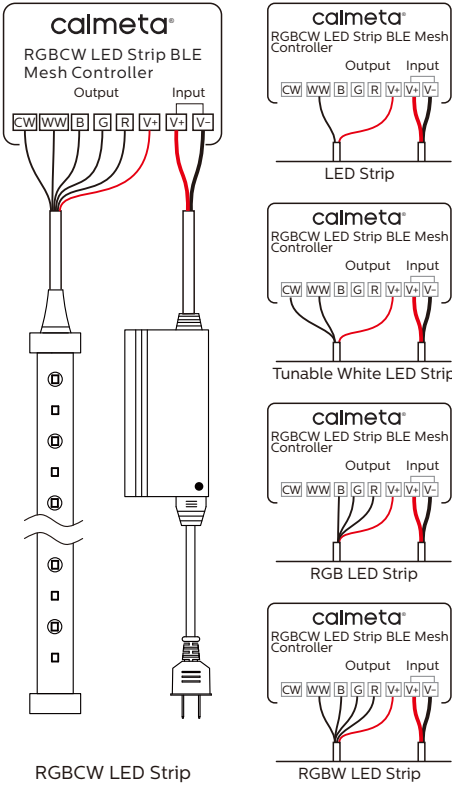


Features & Benefits Highlight

Enables to connect 1ch to 5ch LED strips using CAIMETA® wireless technology. The product brings advantages:

- Easy control: achieve Bluetooth connecting and control the lights, Max. 20 meters wirelessly through a mobile app.
- Achieve wireless ON/OFF, 0-100% dimming, tuning, light color adjustment.
- Memory function: Switch-on with last brightness
- Max. load: up to 5A of each channels
- Independent Installation: Built-in cable clamp, suitable for any remote installation.
- Easy wiring: Push-fit terminals with through wiring, no screw fixing, making it easier to install.
- Short-circuit protection, open-circuit protection, and heat protection: to ensure the safety and reliability of the controller.

Wiring Diagram
 CAIMETA® APP→LED Strip



Product code	Input voltage	Load type	Dimming range	DALI PS current	DALI PS voltage	Standby Power	Dimension
	Vac		%	mA	Vdc	W	mm
R94004	220-240	DALI-2 DT6, DT8 Tc	0-100	82	9.5-18	≤0.5W	86x52x30

Product code	Input voltage	Max. load @each channel	Load channels	Dimming range	Out voltage	Standby Power	Dimension
	Vdc	A		%	Vdc	W	mm
R94005	5-24	5	Max. 5	0-100	5-24	≤0.5W	87.5x60x27.5

2ch 0/1-10V BLE Mesh Controller

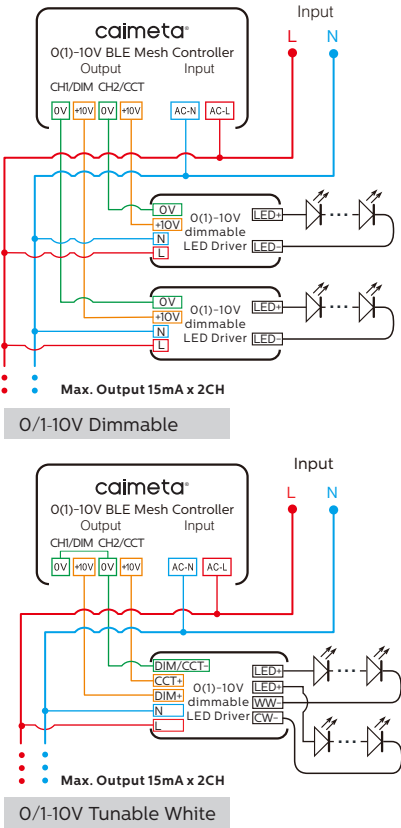
Suitable for 0/1-10V dimming, or 2ch 0/1-10V tunable white



Features & Benefits Highlight
Enables to connect 0/1-10V dimmable and tuning luminaires and drivers usingCAIMETA® wireless technology. The product brings advantages:

- Easy control: achieve Bluetooth connecting and control the lights, Max. 20 meters wirelessly through a mobile app.
- Achieve wireless on/off, 0-100% dimming, and color temperature tuning(for 0/1-10V two channels).
- Passive 0/1-10V dimming: integrated with outputs 15mA Max.
- Memory function: switch-on with last brightness and color temperature.
- Independent Installation: Built-in cable clamp, suitable for any remote installation.
- Easy wiring: push-fit terminals with through wiring, no screw fixing, making it easier to install.
- Short-circuit protection, open-circuit protection, and heat protection: to ensure the safety and reliability of the controller.

Wiring Diagram
CAIMETA® APP→1-10V



Product code	Input voltage	Load type	Output Dimming Current	Dimming range	Output voltage	Standby Power	Dimension
	Vac		mA	%	Vdc	W	mm
R94006	220-240	0/1-10V DIM 0/1-10V Tunable White	15 x 2ch	0-100	0.3-10	≤0.5W	86x52x30



CAIMETA®
PORTABLE DEMO TOOL

Discover the future of lighting presentations with the CAIMETA® Portable Demo Tool. This advanced device features Alcolor Performance and other wireless control via the app enhances convenience. Powered by a 18V / 2600mAh battery, it offers up to 3 hours of runtime, ideal for showcasing CAIMETA® AI Spotlight features. With IATA approval for air travel and dual safety switches, it's both portable and secure.

- Features & Benefits Highlight**
- Alcolor Perfomace(AUTO Mode, Master-Slave, Take-Photo, Customization)
 - Other wireless control functions via App.
 - Built-in battery: 18V 2600mAh, 46.8Wh.
 - Extended working hours: 3 hours per charge.
 - Flight-approved: travel with confidence within IATA limitations (100Wh).
 - Double safety switches: primary for the battery, secondary for output connection.
 - Portable and easy for CAIMETA AI spotlight demonstrations.