

Systems

IVY



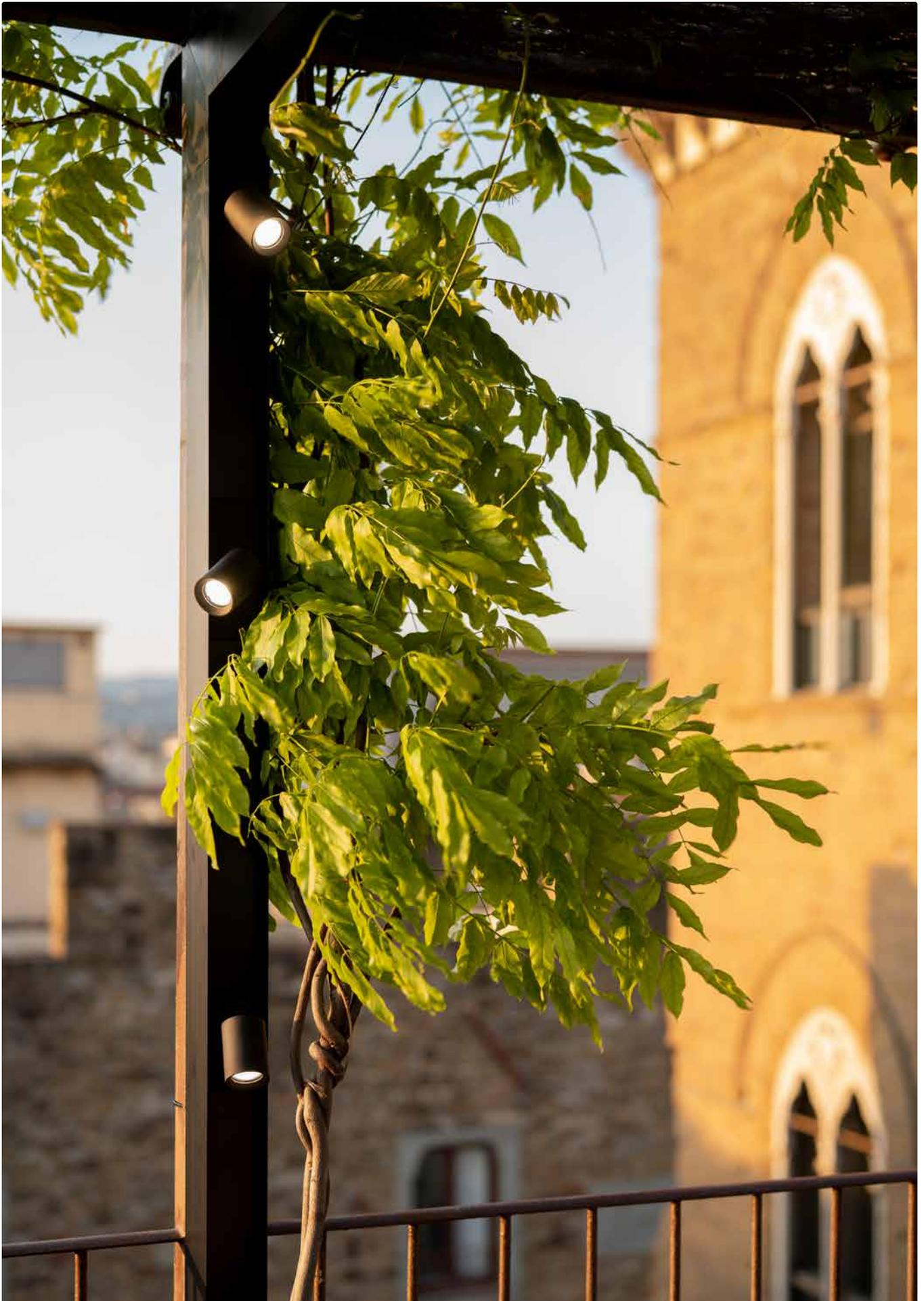
TARGETTI



Designed by Stefano Boeri Interiors, IVY is the first 48V IP65 smart system for outdoor spaces that integrates into the architecture with extreme naturalness and flexibility. It is the ideal solution for lighting terraces, pergolas, commercial outdoor areas and historical porticos. IVY is also perfect for use in humid areas such as Spas and cellars which require high protection against humidity and water.

									
Ceiling-mounted	Wall-mounted	recessed ceiling-mounted	Recessed wall-mounted	accent	Soft controlled	Wall Washer	Grazing		
INSTALLATION				LIGHT					
									
2700K	3000K	3500K	4000K	Linear	Corner	Closed	On-Off	Casambi	Dali
COLOUR TEMPERATURE				CONFIGURATION			CONTROL		
									
48V	IP65	White	Black Anodised	Ferrite	Easy Custom Colours				
POWER SUPPLY	PROTECTION RATING	FINISH							

IVY





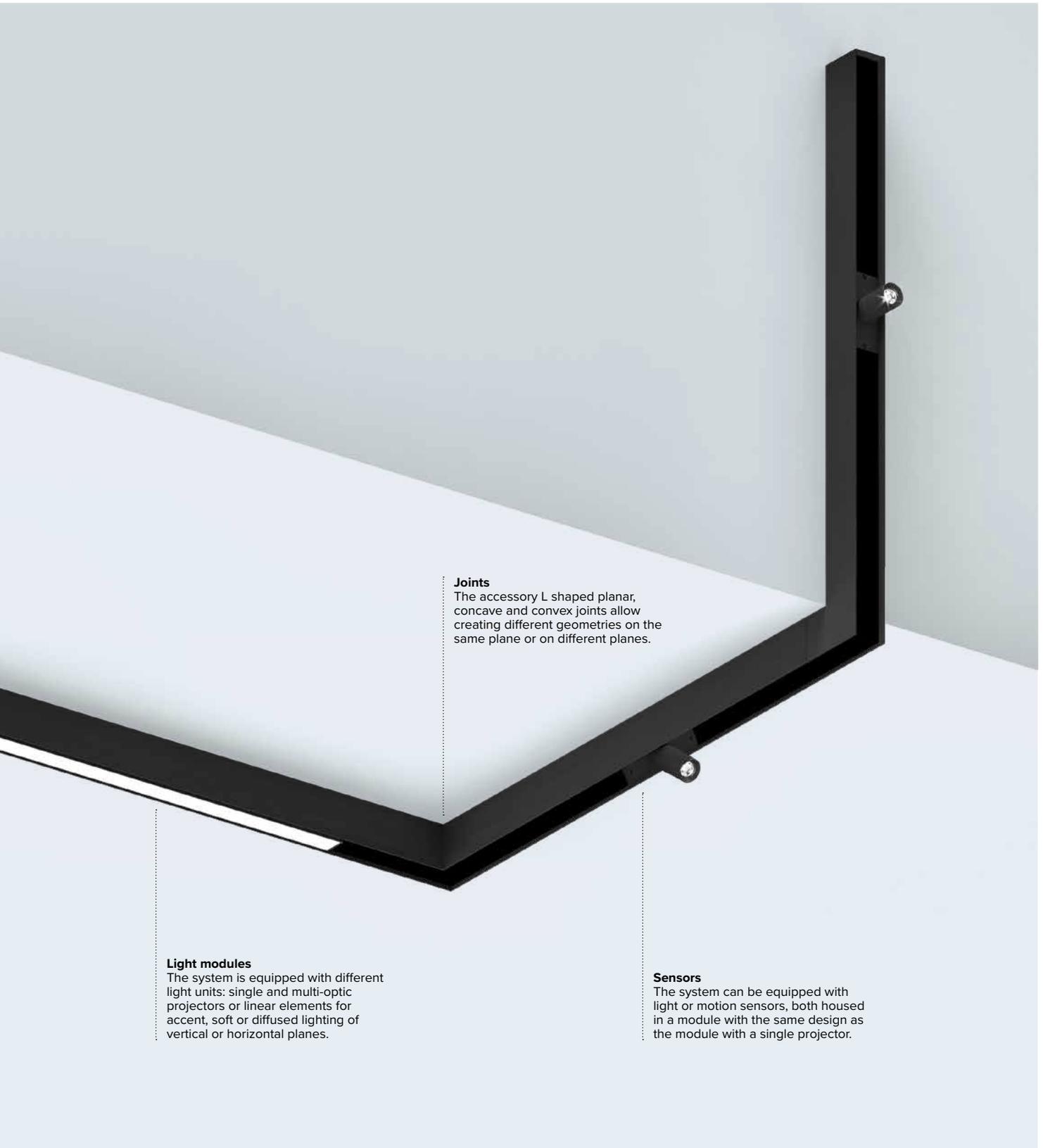
Audio

IVY can be equipped with new generation speakers for an immersive audio experience.

Profile

The 7cm wide profile makes it possible to insert different lighting modules at any point extremely easily. The recessed or surface versions ensure maximum flexibility and adaptability.

IVY is a multifunctional system that combines light fixtures, audio speakers and sensors. The system is composed of an extruded aluminium profile that adapts to the wall and ceiling. Projectors, speakers and wireless sensors can be attached at any point on the profile.



Joints

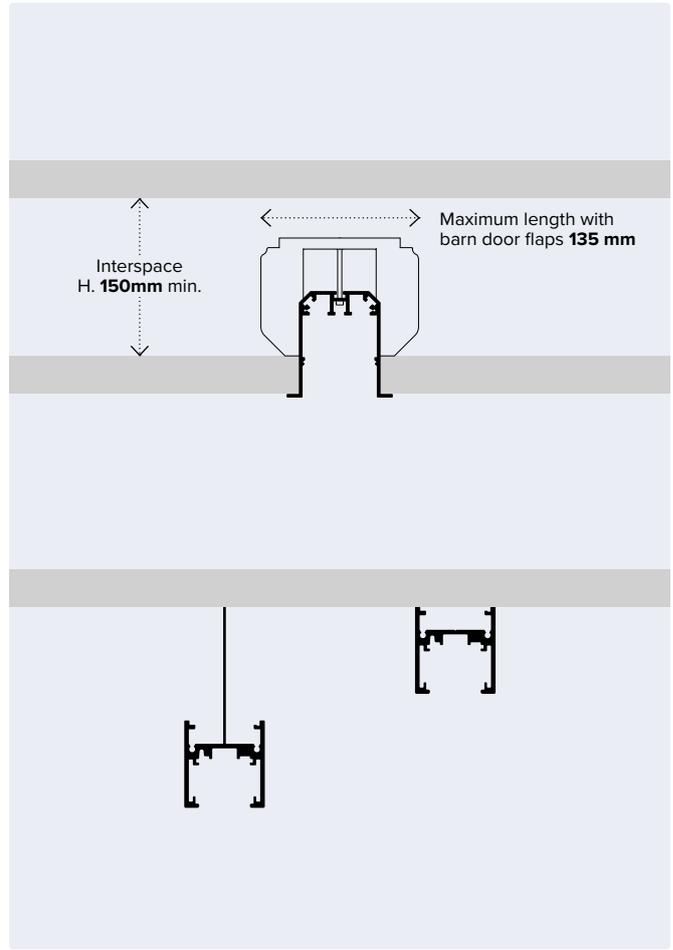
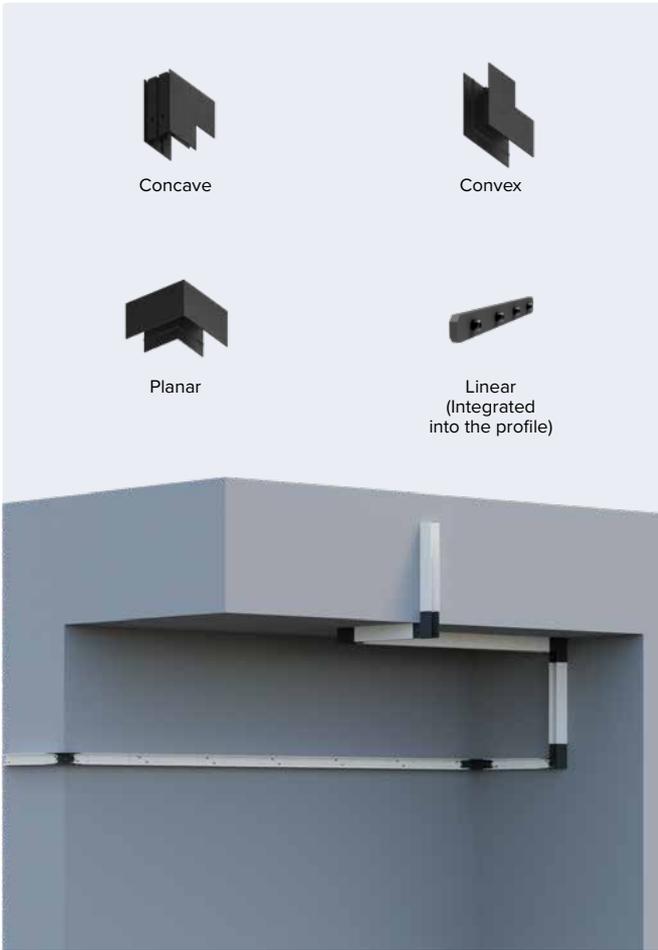
The accessory L shaped planar, concave and convex joints allow creating different geometries on the same plane or on different planes.

Light modules

The system is equipped with different light units: single and multi-optic projectors or linear elements for accent, soft or diffused lighting of vertical or horizontal planes.

Sensors

The system can be equipped with light or motion sensors, both housed in a module with the same design as the module with a single projector.

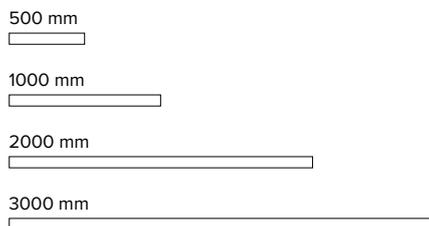


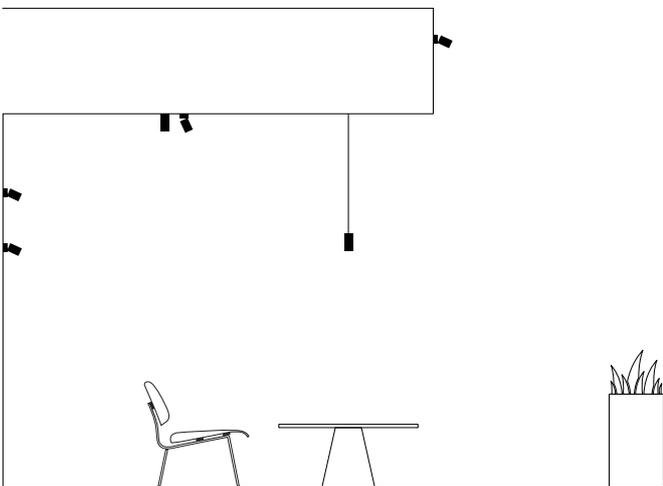
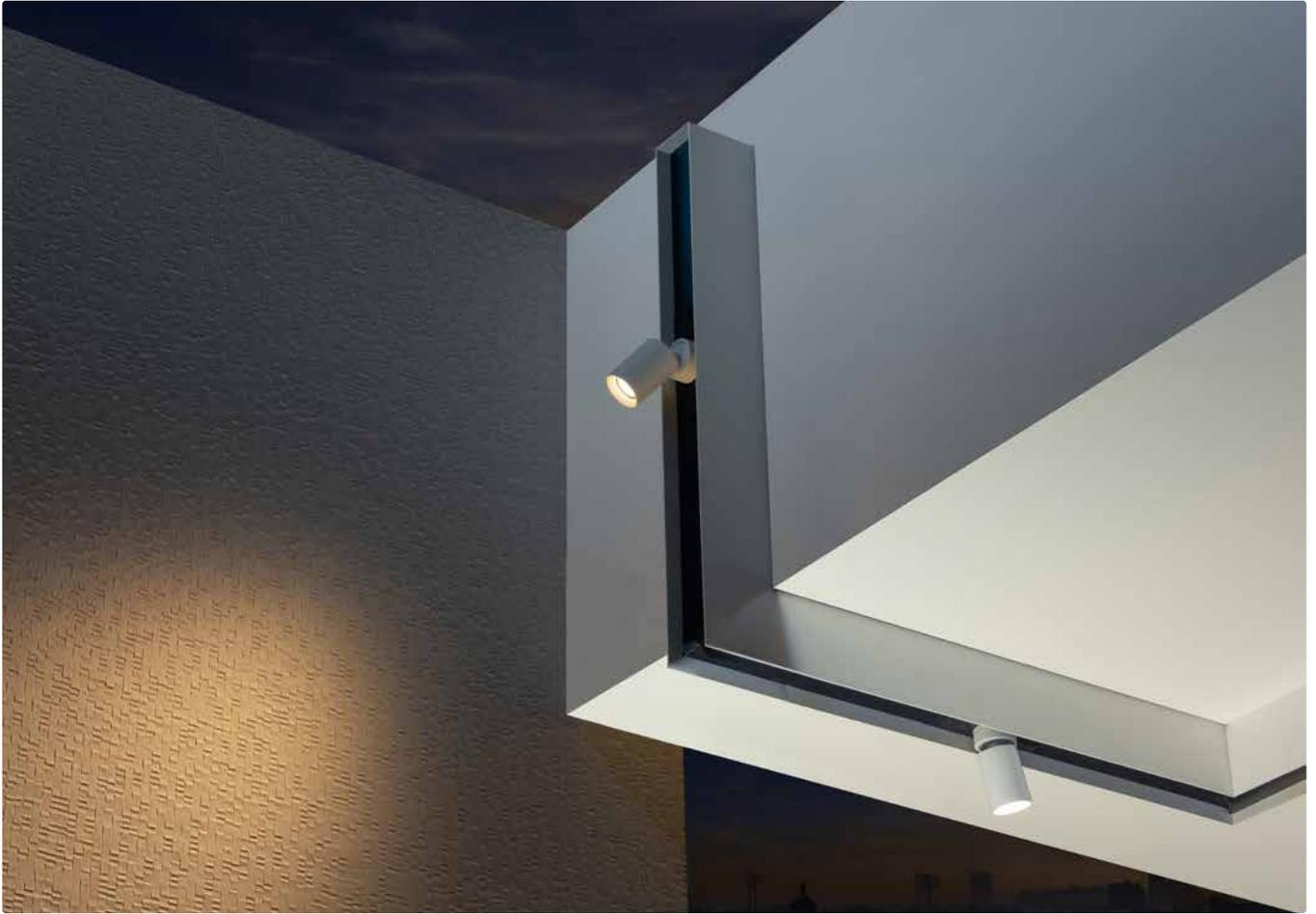
Joints

The linear connection joints supplied with every profile allow creating systems of various lengths both on the wall and ceiling. The L planar, concave and convex accessory joints make it possible to create continuous installation between the wall and ceiling both for the recessed and surface-mounted versions.

The system

The profile is made of extruded aluminium. Just 7cm wide, it is available in four different lengths for surface-mounted or recessed installations. In indoor environments, it is possible to install IVY in a suspension version using special accessories.





IVY can be installed surface-mounted and recessed both on the ceiling and the wall.

STEM MOUNTED ADJUSTABLE PROJECTOR

Available only for the projector version 1x, the rigid stem makes it possible to lower the projector by approx 50cm to focus the light and bring it closer to the surface to be lit.

ADJUSTABLE PROJECTOR

Adjustable modules available in 1x and 3x versions are the ideal solution to create scenographic effects by placing emphasis on environmental elements such as vegetation, tables, sculptures and objects.



IVY light units are powered at very low voltage connected in series. Every module is equipped with male/female plug&light connectors for rapid connection.

LINEAR ELEMENTS

Equipped with four different optical systems, the linear modules provide different lighting effects suitable for softly lighting the environment to create focus on vegetation or enhance a wall.

Linear module
Length 900 mm

The profile and modules are available in three different finishes



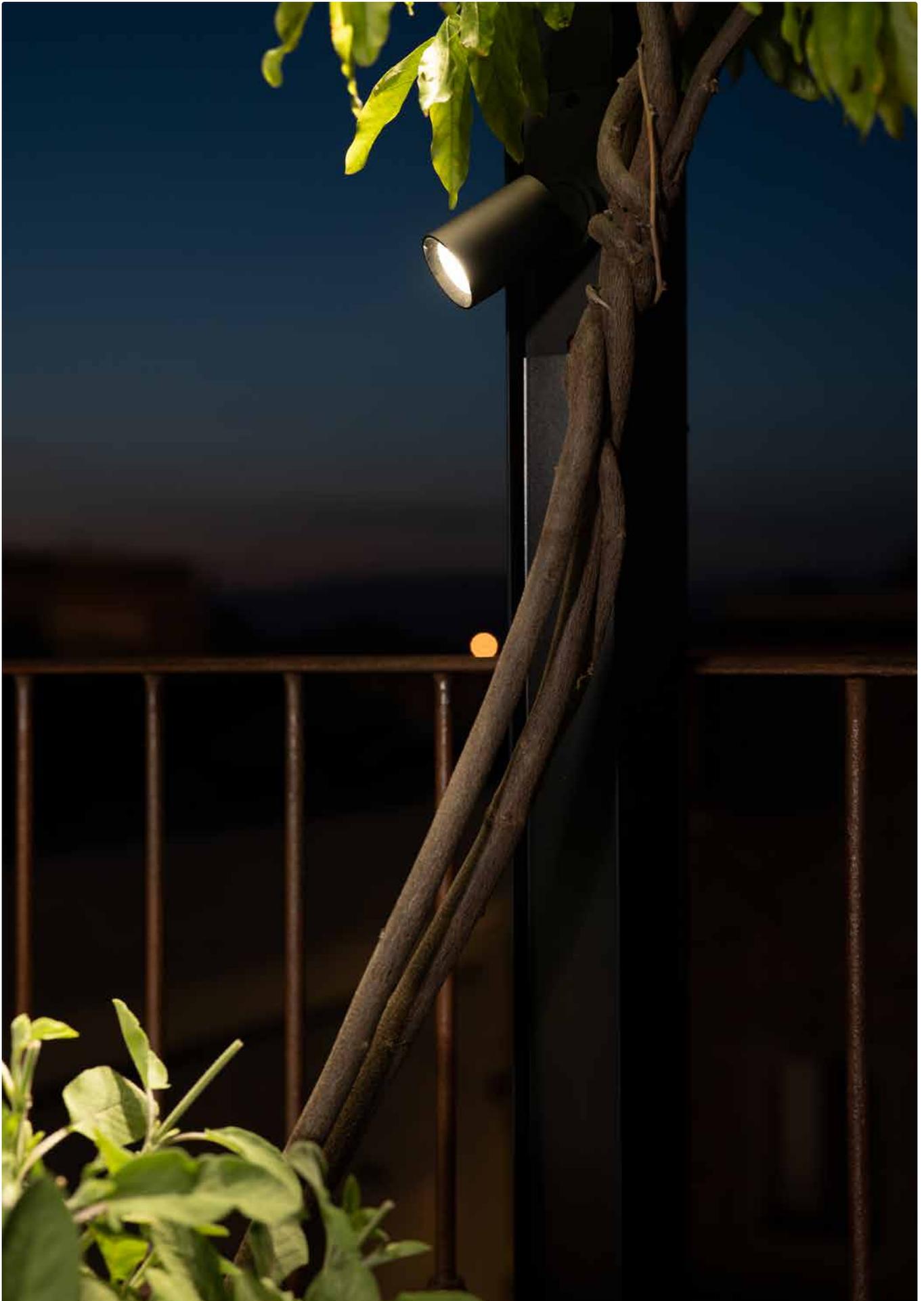
Ferrite



White



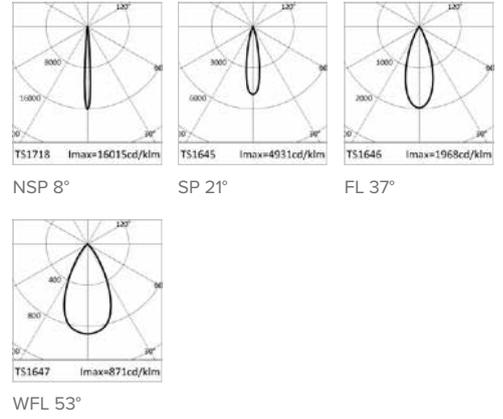
Black anodised





PROJECTOR MODULE
 Up to 106lm/W
 From 220lm to 1965lm
 2700K - 3000K - 3500K - 4000K
 Ra90

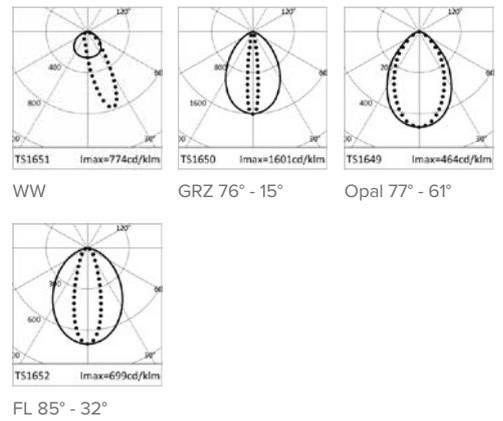
* The modules with adjustable projectors are equipped with optical systems with lenses in the following beam openings: Narrow Spot (only 1x), Spot, Flood and Wide Flood.



LINEAR MODULE
 Up to 114lm/W
 From 1935lm to 2441lm
 2700K - 3000K - 3500K - 4000K
 Ra90

* The linear modules have Wall Washer, Grazing, Opal and Flood optics.

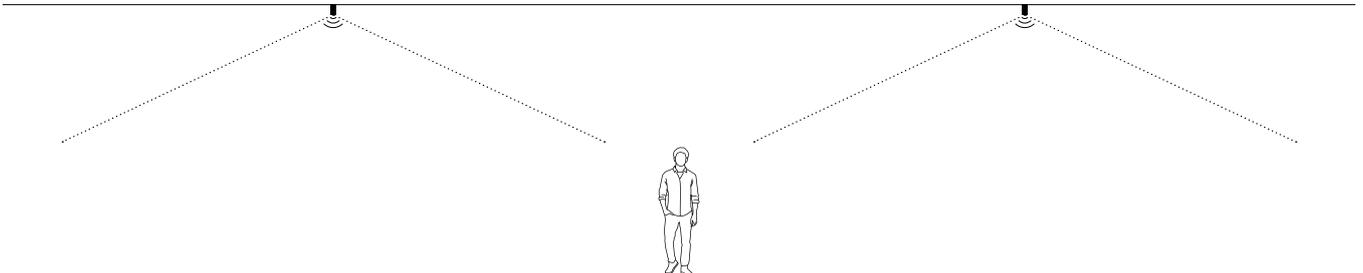
The **Wall washer** optic allows for uniform lighting of walls.
 The **Grazing** optic allows for grazing lighting that enhances the textures of vertical planes.
 The **Opal** optic allows for diffused lighting.
 The **Flood** optic allows for soft yet controlled lighting.



LIGHTING EFFECTS

Optics	NSP	SP	FL	WFL	Grazing	Wall Washer	Opal
Stem mounted projector 1x	●	●	●	●			
Projector 1x	●	●	●	●			
Projector 3x		●	●	●			
Linear			●		●	●	●

* The luminous flux and efficiency (fixture) figures on this page refer to the 3000K LED.



The best performance of an IVY audio module is detected in an area of 4 metres radius away from the speaker. For optimal sound uniformity between multiple modules the ideal installation pitch is 8m.

Audio

The available on request IVY speakers, are equipped with very high quality technology that makes it possible to exploit the natural ability of any material to emit sounds by behaving like the sounding board of a musical instrument.

Sound transmission is omnidirectional to provide a unique listening experience: the entire environment is pervaded by sound and perfect acoustics typical of theatres are recreated. Like other elements in the system even the speaker modules are housed directly inside the profile, hiding the music source from view.



AUDIO PERFORMANCE
Frequency Range
Audio: 100-180Hz



POWER SUPPLY
48V

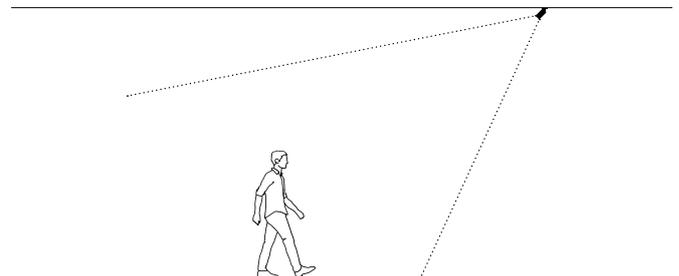
POWER
50W



PLAYBACK
Playback and Switch Control via
Bluetooth and Wi-Fi



AUDIO PLAYBACK
Audio playback compatible with
standard audio file formats, music
services (Spotify, Amazon Music) and
the radio



The sensor module is equipped with in-out connectors that allow for rapid connection and a power supply to the same 48V line as the light modules.

The sensor can be adjusted from 0° to 90° on the vertical plane and by 355° on the horizontal plane to direct it where it is needed.

Sensors

The IVY system can be equipped with a light and motion sensor, both housed inside a module that has the same aesthetic appearance as the single projector module.



ON — OFF

- Standard light units
- On board or remote driver power supply



CASAMBI

- Casambi (CA) light units
- On board or remote driver power supply



DALI

- Casambi (CA) light units
- On board or remote driver power supply
- DALI-Casambi Bridge

Control

IVY components must be chosen on the basis of how the beam will be controlled

Examples of feasibility on a circuit with 7 projectors 1x SP (7X7W) plus 3 linear (3x22W) Total 115W<150W

10 elements connected in sequence, with the driver positioned 13 meters from the first unit.



10 interspersed elements connected by 9 one-meter cables, with the driver positioned 4 meters from the first unit.



9 interspersed elements connected by 8 one-meter cables, along with one element connected by a three-meter cable. The driver is positioned 2 meters from the first unit.



150W is the maximum power supply of every circuit connected to the driver.

The maximum number of elements connected to the same circuit is dictated by the power of the driver. If necessary the system can be powered with more than one driver.

These are the drivers available as accessories:

- 150W and 90W IP65 Integrated drivers
- 130W and 60W IP20 Remote drivers
- 120W and 56W IP67 Remote drivers

13 m is the maximum length of connections with 150W integrated drivers and 120W and 130W remote drivers.

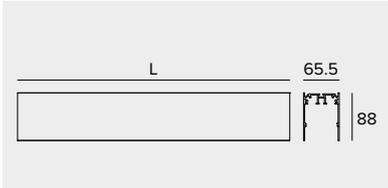
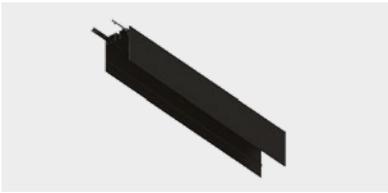
The 30 cm in-out connection is not included in the calculation (15cm + 15cm) supplied with each product.

20 m is the maximum length of connections with 90W integrated drivers and 56W and 60W remote drivers. The 30 cm in-out connection is not included in the calculation (15cm + 15cm) supplied with each product.

System configuration

Constraints on the number of lighting points and sensors to be provided for each circuit is dictated by the driver chosen and the maximum length of the connection cables of the system.

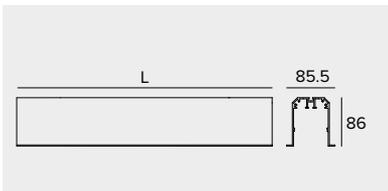
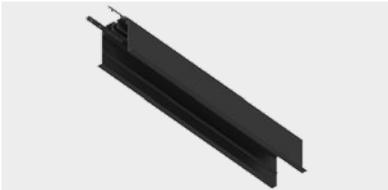
IVY Profile | Surface



L mm	Kg	Colour	Code
500	1	○	1E4228
		●	1E4151
		●	1E4155
1000	2	○	1E4229
		●	1E4152
		●	1E4156
2000	4	○	1E4230
		●	1E4153
		●	1E4157
3000	6	○	1E4231
		●	1E4154
		●	1E4158

Note Related codes and accessory codes on page 17.

IVY Profile | Recessed



L mm	Kg	Colour	Code
500	1.2	●	1E4159
1000	2.15	●	1E4160
2000	4.15	●	1E4161
3000	6.15	●	1E4162

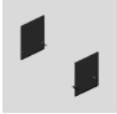
Note Related codes and accessory codes on page 17.

Related codes and accessories

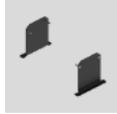
IVY Profile

Related codes

End Caps

	Colour	Code
		1E4234
		1E4167
		1E4168

End caps made of 2 pieces.
For surface mounted installation profile.

	Colour	Code
		1E4258

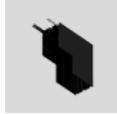
End caps made of 2 pieces.
For trimless installation profile.

Accessory codes

Mechanical connector

	Colour	Code
		1E4236
		1E4172
		1E4176

L shaped joint planar.
For surface mounted installation profile.

	Colour	Code
		1E4237
		1E4173
		1E4177

L shaped joint concave.
For surface mounted installation profile.

	Colour	Code
		1E4238
		1E4174
		1E4178

L shaped joint convex.
For surface mounted installation profile.

	Colour	Code
		1E4259

L shaped joint planar.
For trimless installation profile.

	Colour	Code
		1E4260

L shaped joint concave.
For trimless installation profile.

	Colour	Code
		1E4261

L shaped joint convex.
For trimless installation profile.

Cover Panel

L mm	Colour	Code
2000		1E4170

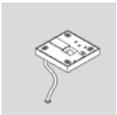
Extruded plastic cover.

Suspension

L mm	Colour	Code
2000		2T0049

Suspension cable.
For indoor environment only.

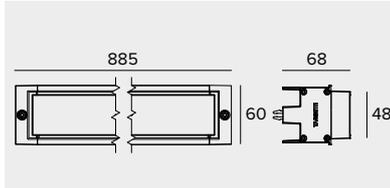
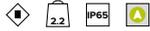
Power Supply Kit

	L mm	Driver	Colour	Code
	4000	ON-OFF		1T5905EL
	4000	ON-OFF		1T5906EL
	4000	ON-OFF		2T0048EL

Suspension installation kit: power cable complete with a painted polycarbonate rosette.
Max 0.6kW.

IVY Linear module

48Vdc | Ra90 | Fixture flux 3000K from 1935lm to 2441lm

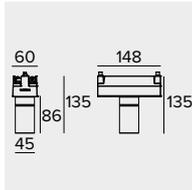


Optic	Version	Colour	2700K	3000K	3500K	4000K
FL 22W	ON-OFF	●	1E4136EL	1E4140EL	1E4144EL	1E4148EL
	CASAMBI	●	1E4136CA	1E4140CA	1E4144CA	1E4148CA
OP 22W	ON-OFF	●	1E4138EL	1E4142EL	1E4146EL	1E4150EL
	CASAMBI	●	1E4138CA	1E4142CA	1E4146CA	1E4150CA
GRZ 22W	ON-OFF	●	1E4135EL	1E4139EL	1E4143EL	1E4147EL
	CASAMBI	●	1E4135CA	1E4139CA	1E4143CA	1E4147CA
WW 22W	ON-OFF	●	1E4137EL	1E4141EL	1E4145EL	1E4149EL
	CASAMBI	●	1E4137CA	1E4141CA	1E4145CA	1E4149CA

Note Related codes and accessory codes on page 21.

IVY Single projector

48Vdc | Ra90 | Fixture flux 3000K from 220lm to 655lm

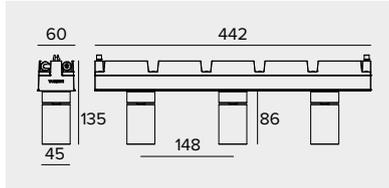


Optic	Version	Colour	2700K	3000K	3500K	4000K
NSP 8° 4W	ON-OFF	○	1E4281EL	1E4282EL	1E4283EL	1E4284EL
		●	1E4277EL	1E4278EL	1E4279EL	1E4280EL
	CASAMBI	●	1E4273EL	1E4274EL	1E4275EL	1E4276EL
		○	1E4281CA	1E4282CA	1E4283CA	1E4284CA
		●	1E4277CA	1E4278CA	1E4279CA	1E4280CA
		●	1E4273CA	1E4274CA	1E4275CA	1E4276CA
SP 21° 7W	ON-OFF	○	1E4192EL	1E4195EL	1E4198EL	1E4201EL
		●	1E4063EL	1E4066EL	1E4069EL	1E4072EL
	CASAMBI	●	1E4075EL	1E4078EL	1E4081EL	1E4084EL
		○	1E4192CA	1E4195CA	1E4198CA	1E4201CA
		●	1E4063CA	1E4066CA	1E4069CA	1E4072CA
		●	1E4075CA	1E4078CA	1E4081CA	1E4084CA
FL 37° 7W	ON-OFF	○	1E4193EL	1E4196EL	1E4199EL	1E4202EL
		●	1E4064EL	1E4067EL	1E4070EL	1E4073EL
	CASAMBI	●	1E4076EL	1E4079EL	1E4082EL	1E4085EL
		○	1E4193CA	1E4196CA	1E4199CA	1E4202CA
		●	1E4064CA	1E4067CA	1E4070CA	1E4073CA
		●	1E4076CA	1E4079CA	1E4082CA	1E4085CA
WFL 53° 7W	ON-OFF	○	1E4194EL	1E4197EL	1E4200EL	1E4203EL
		●	1E4065EL	1E4068EL	1E4071EL	1E4074EL
	CASAMBI	●	1E4077EL	1E4080EL	1E4083EL	1E4086EL
		○	1E4194CA	1E4197CA	1E4200CA	1E4203CA
		●	1E4065CA	1E4068CA	1E4071CA	1E4074CA
		●	1E4077CA	1E4080CA	1E4083CA	1E4086CA

Note Related codes and accessory codes on page 21.

IVY Multiple projector

48Vdc | Ra90 | Fixture flux 3000K from 1662lm to 1965lm

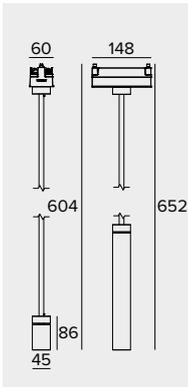


Optic	Version	Colour	2700K	3000K	3500K	4000K
SP 21° 3x7W	ON-OFF	○	1E4216EL	1E4219EL	1E4222EL	1E4225EL
		●	1E4111EL	1E4114EL	1E4117EL	1E4120EL
		●	1E4123EL	1E4126EL	1E4129EL	1E4132EL
	CASAMBI	○	1E4216CA	1E4219CA	1E4222CA	1E4225CA
		●	1E4111CA	1E4114CA	1E4117CA	1E4120CA
		●	1E4123CA	1E4126CA	1E4129CA	1E4132CA
FL 37° 3x7W	ON-OFF	○	1E4217EL	1E4220EL	1E4223EL	1E4226EL
		●	1E4112EL	1E4115EL	1E4118EL	1E4121EL
		●	1E4124EL	1E4127EL	1E4130EL	1E4133EL
	CASAMBI	○	1E4217CA	1E4220CA	1E4223CA	1E4226CA
		●	1E4112CA	1E4115CA	1E4118CA	1E4121CA
		●	1E4124CA	1E4127CA	1E4130CA	1E4133CA
WFL 53° 3x7W	ON-OFF	○	1E4218EL	1E4221EL	1E4224EL	1E4227EL
		●	1E4113EL	1E4116EL	1E4119EL	1E4122EL
		●	1E4125EL	1E4128EL	1E4131EL	1E4134EL
	CASAMBI	○	1E4218CA	1E4221CA	1E4224CA	1E4227CA
		●	1E4113CA	1E4116CA	1E4119CA	1E4122CA
		●	1E4125CA	1E4128CA	1E4131CA	1E4134CA

Note Related codes and accessory codes on page 21.

IVY Stem mounted projector

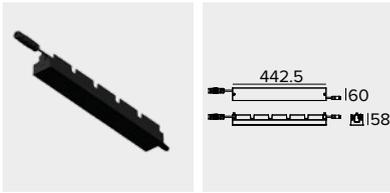
48Vdc | Ra90 | Fixture flux 3000K from 220lm to 655lm



Optic	Version	Colour	2700K	3000K	3500K	4000K
NSP 8° 4W	ON-OFF	○	1E4293EL	1E4294EL	1E4295EL	1E4296EL
		●	1E4289EL	1E4290EL	1E4291EL	1E4292EL
		●	1E4285EL	1E4286EL	1E4287EL	1E4288EL
	CASAMBI	○	1E4293CA	1E4294CA	1E4295CA	1E4296CA
		●	1E4289CA	1E4290CA	1E4291CA	1E4292CA
		●	1E4285CA	1E4286CA	1E4287CA	1E4288CA
SP 21° 7W	ON-OFF	○	1E4204EL	1E4207EL	1E4210EL	1E4213EL
		●	1E4087EL	1E4090EL	1E4093EL	1E4096EL
		●	1E4099EL	1E4102EL	1E4105EL	1E4108EL
	CASAMBI	○	1E4204CA	1E4207CA	1E4210CA	1E4213CA
		●	1E4087CA	1E4090CA	1E4093CA	1E4096CA
		●	1E4099CA	1E4102CA	1E4105CA	1E4108CA
FL 37° 7W	ON-OFF	○	1E4205EL	1E4208EL	1E4211EL	1E4214EL
		●	1E4088EL	1E4091EL	1E4094EL	1E4097EL
		●	1E4100EL	1E4103EL	1E4106EL	1E4109EL
	CASAMBI	○	1E4205CA	1E4208CA	1E4211CA	1E4214CA
		●	1E4088CA	1E4091CA	1E4094CA	1E4097CA
		●	1E4100CA	1E4103CA	1E4106CA	1E4109CA
WFL 53° 7W	ON-OFF	○	1E4206EL	1E4209EL	1E4212EL	1E4215EL
		●	1E4089EL	1E4092EL	1E4095EL	1E4098EL
		●	1E4101EL	1E4104EL	1E4107EL	1E4110EL
	CASAMBI	○	1E4206CA	1E4209CA	1E4212CA	1E4215CA
		●	1E4089CA	1E4092CA	1E4095CA	1E4098CA
		●	1E4101CA	1E4104CA	1E4107CA	1E4110CA

Note Related codes and accessory codes on page 21.

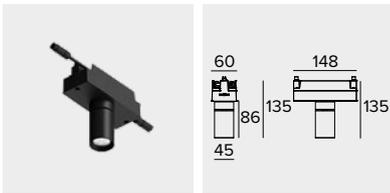
IVY Audio Speaker Master Module
48Vdc



Colour	Code
●	1E4262

Note Related codes and accessory codes on page 21.

IVY People sensor / Daylight sensor
48Vdc



Colour	Code
●	1E4186
○	1E4235
●	1E4272

Note Related codes and accessory codes on page 21.

Related codes and accessories

IVY Light modules

Related codes

Power Supply

Driver	Colour	Code	Driver	Colour	Code
ON-OFF		1E4169	ON-OFF		1E4175
48Vdc driver box (IP65). L=450mm 90W. Equipped with connection cable H05RN-F (0.15m + 0.15m) complete with male/female IP65 connectors for 220V and miniaturized female IP65 connector for 48V.			48Vdc driver box (IP65). L=450mm 150W. Equipped with connection cable H05RN-F (0.15m + 0.15m) complete with male/female IP65 connectors for 220V and miniaturized female IP65 connector for 48V.		
		Dimensions LxHxP mm			Power
		225x51x65			70W
		225x51x65			150W
48Vdc electronic driver. Cable length 0.5m (IN and OUT). To be completed with Connection kit 1E4184 .					IP
					Code
					1E2320
					1E2321
		Dimensions LxHxP mm			Power
		225x36x60			60W
		240x49x60			130W
48Vdc electronic driver. To be completed with Connection kit 1E4184 . 1T6917EL - Single power supply for Electronic, DALI and Casambi systems. Maximum distance 20m - cable 1.5mm ² . 1T6916EL - Single power supply for Electronic, DALI and Casambi systems. Maximum distance 10m - cable 1.5mm ² .					IP
					Code
					1T6917EL
					1T6916EL

Accessory codes

Cable

L mm	Code
500	1E4270
1000	1E4181
2000	1E4182
3000	1E4183

Connection cable complete with male/female connectors.

Tool

Code
1E4171

Microscrewdriver with hexagonal head (diameter 0.9mm) for wiring **1E4184** connection kit.

Connector

Code	Code
1E4184	1E2769

Connection kit 24/48V.
Wire not included.
Maximum cable diameter 7.5mm².
To be used for lengths >3m.

Linear connection box IP66/IP68.
5 poles max. wire section 1.5mm².
Cable diameter range from 7 to 12mm.

Code
1E3184

IP68 4-way cable connector (5 pole).

Control systems

Code
1T8173CA

Bridge DALI/Casambi: a fixture that allows fixtures equipped with mesh Bluetooth Casambi to interface with a traditional DALI system and to be adjusted by a DALI control unit.
More details on page 672.

LIGHT MANAGEMENT SYSTEM

HOW WE CONTROL OUR FIXTURES

Dali

The fixture is equipped with a driver that provides a connection to a BUS DALI system for overall management of the system.

DALI is the acronym for “Digital Addressable Lighting Interface”, an international standard protocol compliant with IEC EN 62386 that guarantees the interchangeability of dimmable electronic power supplies from different manufacturers. It is used in building automation. It can be used for medium-sized and large projects and entails a preventive design with special cable routing. Many fixtures in the Targetti collection have DALI drivers and are therefore compatible with home automation systems that integrate lighting into building automation.

Dimm on board

The fixture is dimmed using a commutator located inside it.

The simplest system for dimming light fixtures. A commutator inside the fixtures makes it possible to intervene manually and regulate the intensity of the light emission to modulate the light according to actual project needs.

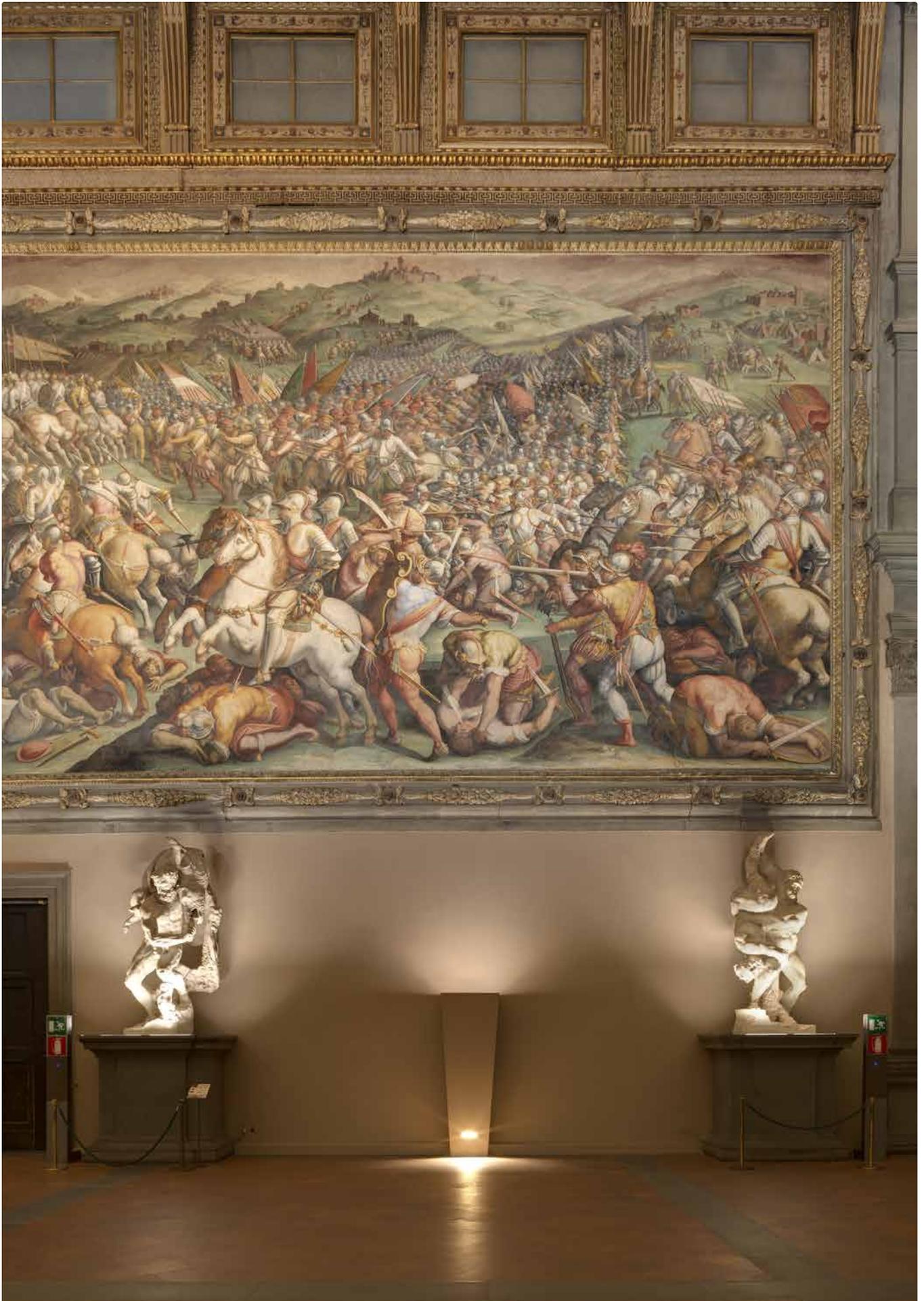
CASAMBI

Targetti Control powered by Casambi Fixtures are controlled via wireless or Bluetooth by a smartphone or a tablet without the need for any other hardware. For Casambi on board fixtures or those equipped with DALI drivers.

LMS is the Targetti home automation lighting control system that makes it possible to manage lighting systems in wireless mode. Designed for both the consumer and professional markets LMS is the result of a combination of components from Casambi, a leading company producing wireless lighting control solutions, and Targetti light fixtures.

DMX

RGB, RGBW and Tunable White fixtures are controlled using a DMX protocol. Software and touch screen interfaces are available to manage and create static and dynamic lighting scenes.



TARGETTI CONTROL

Powered by Casambi

LMS is the Targetti wireless home automation system that can manage even the most complex lighting systems. Designed for the consumer and the professional market, LMS is the result of the combination of components from Casambi - a leading company producing wireless lighting control solutions - and Targetti light fixtures.

iOS and Android apps

Thanks to the intuitive simplicity of the app developed by Casambi for iOS and Android, LMS ensures system operational readiness. You just need a phone or another mobile device and anyone can create and manage a lighting network singlehandedly by controlling every fixture individually or in groups depending on the needs and the functions required. Managing the system using a standard handset is also made possible with the use of specific accessories.

Extreme usability

The ease of use and programming of the system makes it easy to manage without the use of special control units or assistance from specialised technicians. The application recognises and associates the Targetti

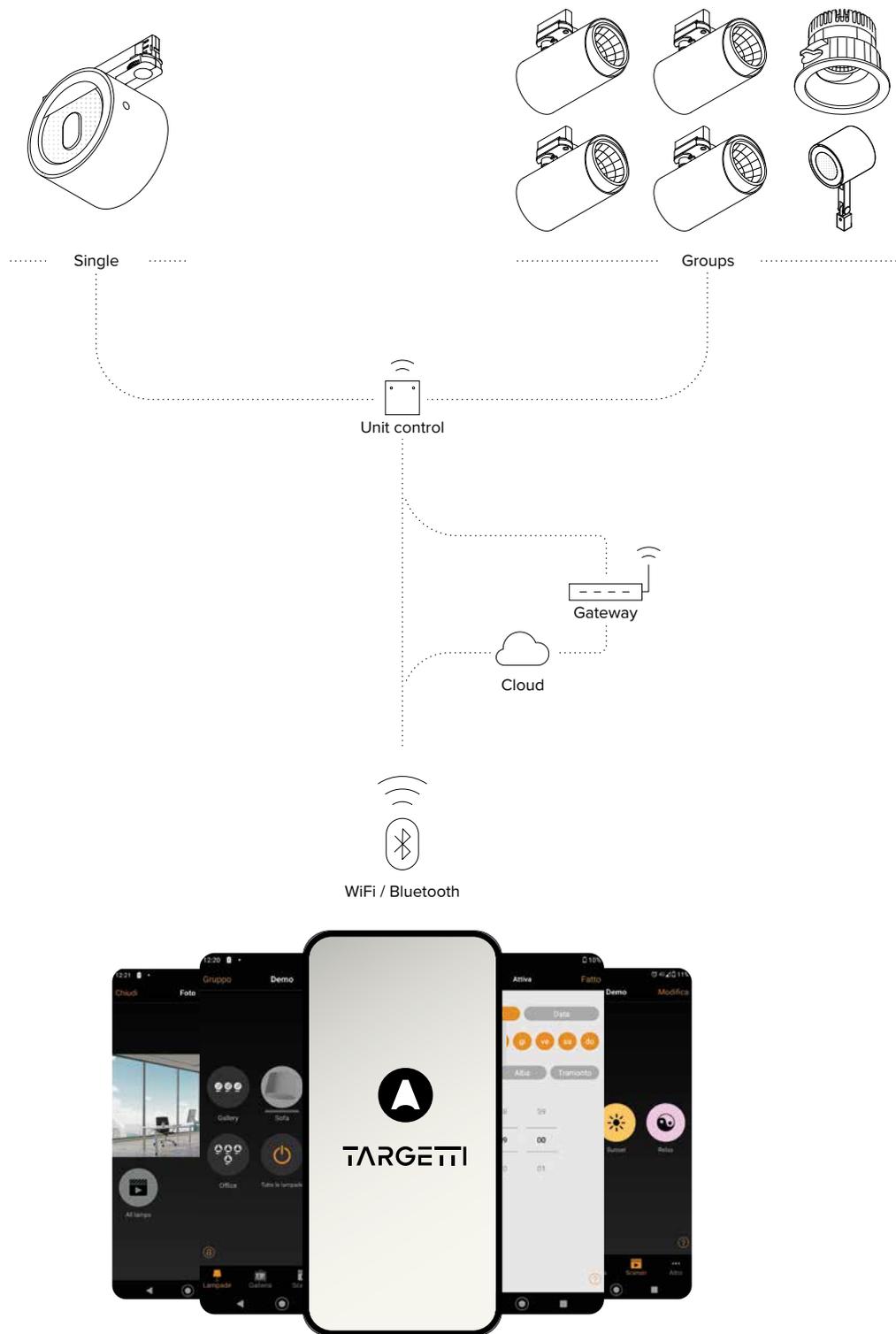
fixtures that are installed in the space automatically by using the BLE (Casambi Bluetooth Low Energy) proprietary protocol to communicate with the various fixtures. No Internet connection is necessary except for synchronisation functions or remote access.

Mesh self-healing network

LMS allows the final user to generate adaptive and multipoint networks: “adaptive” because every fixture can work as a buffer for all the others, adapting automatically to various contexts to optimise control signal propagation; “multipoint” because you can connect up to 250 fixtures on each network without any limit on the number of networks. The result is strong, reliable and affordable networks that manage the system, the profiles of individual fixtures and access rights.



Installation sequence



- ① Choose Targetti fixtures by opting for the Targetti Casambi Ready package or Casambi accessory components
- ② Download the Casambi iOS or Android App depending on the device used
- ③ Launch the App: the fixtures in operation will be detected automatically
- ④ Create one or two networks depending on the characteristics of the environment
- ⑤ Create groups of devices as needed
- ⑥ Program scenes and/or sequences.
- ⑦ Set the level of network sharing

TC — Functions



Control Type

Casambi control can be done using:

- Buttons and switches (manual control)
- App (manual digital control)
- Sensors and timers (automatic digital control)



Grouping

Different fixtures can be grouped together to be managed all together or individually. Grouping is easy and the same as grouping apps on smart devices.



Scenes

It is possible to:

- create lighting scenes for different occasions;
- manage several fixtures with just one touch to create the perfect atmosphere for specific needs;
- Use the same fixture in different scenes.



Tunable control

Casambi provides complete colour temperature control for those permitted in the range for LED sources. Just swipe your finger over the icon for the source to change the colour temperature.



Animation

It is possible to create dynamic scenes with fades from scene to scene. Animated scenes can be recalled again or repeated as required. It is possible to set both the duration of each scene and fade times between scenes.



Gallery

The exclusive gallery function makes control intuitive. Taking a photo of an environment or uploading a floor plan on the app it is possible to mark the fixtures and then recall them. Images are saved in a special gallery on the app with the fixtures displayed. Users only have to touch the ones they want to manage.



Gateway

With the gateway function it is possible to access a Casambi network remotely. Casambi enabled fixtures can be managed and network settings (administration rights required) can be changed. To enable the remote access feature, an iOS or Android device must act as a gateway on the Casambi network.



Adaptable

The Casambi system is adaptable to both simple as well as more complex projects. It is based on the possibility to create an unlimited number of networks that can be turned on and off.



Calendar

With the calendar and timer function it is possible to activate and deactivate scenes and animated scenes based on parameters such as: timetables, weekly scheduling, seasonality etc. This makes it possible to meet the needs of different users and the environments to be lit. All Casambi units keep track of time.

Casambi Accessories

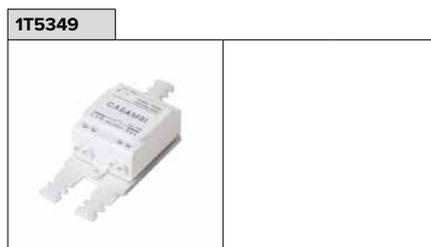
External accessories with simple electric cables make it possible to control Targetti fixtures in wireless mode.

For a clear and easy choice for the correct accessories, please refer to the explanatory table on page 26 that shows:

- An alphabetical list of the Targetti fixtures that are compatible with Casambi accessories
- Product variants that are compatible with Casambi accessories (only some variants of the same product can be controlled by the LMS system)
- Compatible accessories (descriptions and technical characteristics are listed below)
- Wiring diagram

Gateway DALI/Casambi available that allows fixtures fitted with mesh Bluetooth Casambi technology to interface with a traditional DALI system and to be adjusted by a DALI control unit. For further information see the website.

CONTROL UNIT IP20 - DALI

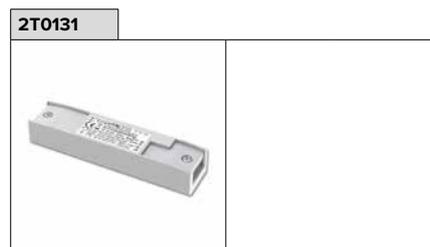


IP20 wireless control unit with DALI interface. It generates a local DALI2 bus, enabling a direct connection to a DALI interface LED driver. The module can only be used in a closed system and cannot be connected to an existing DALI network. The module is wireless controlled using a Casambi app for smartphones and tablets using Bluetooth 5.0 technology. The devices automatically create an adaptive, robust, and reliable wireless mesh network, allowing for the easy and efficient management of a high number of fixtures. The control unit is preset to the DALI 1CH profile, meaning the device can control a single DALI driver with broadcast commands. In addition to the DALI broadcast, other operating modes are available, such as: button (normally open), control unit 0/1-10V, control unit DALI Tunable White DT8, presence sensor.

If different from the preset mode, the desired operating profile must be set directly by the user before coupling the control unit to the Casambi network.

Power supply	220-240 VAC
Power	1,1W - PF 0,6
Max current	0,6 Amp AC
Max n. DALI driver	1
Max n. 1-10v driver	1
Dimensions	102x25x36mm
Exit	1-10V / DALI

EXTENDER IP20 - DALI



IP20 Extender for wireless control of LED driver with dimming DALI (or 1-10V) interface based on Casambi technology. It has a DALI2 output with the capacity to control up to 40 lighting fixtures. With the addition of a further external BUS DALI power supply it is possible to control up to 64 fixtures. IP20 Extender is preset to the DALI broadcast profile, meaning all the luminaires connected to it are dimmable at the same level. In addition to the DALI broadcast other operating modes are available, such as: Extender DALI 8CH, Extender DALI Tunable White, Extender 0/1-10V, Extender DALI 4CH, Extender DALI DT8 Tunable White.

If different from the preset mode, the desired operating profile must be set directly by the user before coupling the extender to the Casambi network.

Power supply	100-240 VAC
Power	2,7W - PF 0,6
Max current	6 Amp AC
Max n. DALI driver	64
Max n. 1-10v driver	30
Dimensions	130x22x30mm.

CONTROL MODULE IP67 - DALI



IP67 wireless control unit with DALI interface. It generates a local DALI2 bus, enabling a direct connection to a DALI interface LED driver. The module can only be used in a closed system and cannot be connected to an existing DALI network. The module is wireless controlled using a Casambi app for smartphones and tablets using Bluetooth 5.0 technology. The devices automatically create an adaptive, robust, and reliable wireless mesh network, allowing for the easy and efficient management of a high number of fixtures. The control unit is preset to the DALI 1CH profile, meaning the device can control a single DALI driver with broadcast commands.

In addition to the DALI broadcast, other operating modes are available, such as: button (normally open), control unit 0/1-10V, control unit DALI Tunable White DT8, presence sensor.

If different from the preset mode, the desired operating profile must be set directly by the user before coupling the control unit to the Casambi network.

Power supply	100-240 VAC
Power	1,1W - PF 0,6
Max current	0,6 Amp AC
Max n. DALI driver	1
Max n. 1-10v driver	1
Dimensions	108x28x65mm.

EXTENDER IP67 - DALI



IP67 Extender for wireless control of LED driver with dimming DALI interface based on Casambi technology. It has a DALI2 output with the capacity to control up to 40 lighting fixtures. With the addition of a further external BUS DALI power supply it is possible to control up to 64 fixtures. IP67 Extender is preset to the DALI broadcast profile, meaning all the luminaires connected to it are dimmable at the same level. In addition to the DALI broadcast other operating modes are available, such as: Extender DALI 8CH, Extender DALI Tunable White, Extender DALI 4CH, Extender DALI DT8 Tunable White. If different from the preset mode, the desired operating profile must be set directly by the user before coupling the extender to the Casambi network.

Power supply	100-240 VAC
Power	2,7W - PF 0,6
Max current	6 Amp AC
Max n. DALI driver	64
Max n. 1-10v driver	30
Dimensions	148x40x150mm

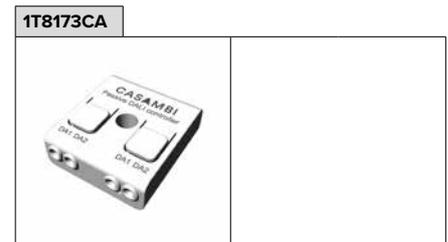
XPRESS



Xpress is a wall mounted wireless user interface; it can be installed wherever the user chooses thanks to battery power with autonomy of 2-3 years providing direct access to all the most important CASAMBI system control functions. As well as switching the fixtures on and off, Xpress controls dimming, colour temperature change in fixtures equipped with this technology, and control of individual fixtures and lighting scene or sequence management.

Dimensions	90x12x90mm
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BRIDGE DALI/CASAMBI



Bridge DALI/Casambi: a fixture that allows fixtures equipped with mesh Bluetooth Casambi to interface with a traditional DALI system and to be adjusted by a DALI control unit. Inside the usual DALI circuit it is possible to have a maximum of 64 cabled DALI and Casambi wireless devices. It only works with Casambi Evolution networks. The DALI Bridge is transparent in the DALI system, and therefore does not require an address. There is no need for a power supply given that it is supplied directly by the DALI bus. To provide IP68 rating to the fixture complete with code 1E3184.

Dimensions	40,4x14x36,3mm
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Quadro sinottico accessori Casambi

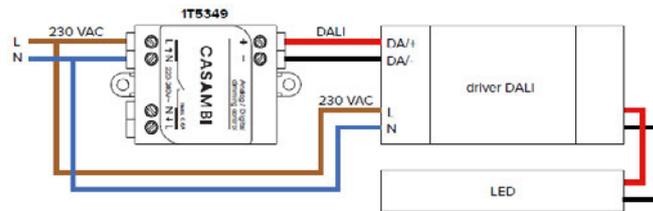
Product	Variant	1T5349 Control module IP20	2T0131 Extender IP20	1E3048 Control module IP67	1E4369 Extender IP67	Schema Pag. 28
 BEBOP RECESSED	DALI Version	●	●			01 - 02
 CCTEVO ARCHITECTURAL	DALI Version	●	●			01 - 02
 CCTEVO DOWNLIGHT	DALI Version	●	●			01 - 02
 CCTEVO TUBE	DALI Version	●	●			01 - 02
 CCTEVO EXTRACTABLE	DALI Version	●	●			01 - 02
 CCTEVO WW	DALI Version	●	●			01 - 02
 CCTLED DOWNLIGHT	DALI Version	●	●			01 - 02
 CORO	With DALI driver	●	●			01 - 02
 DART	DALI Version			●	●	03 - 04
 DART ROUND	DALI Version			●	●	03 - 04
 FEBO EVO	DALI Version			●	●	03 - 04
 FORTYEIGHT LABEL	DALI Version		●			02
 FORTYEIGHT LOGICO 30	DALI Version		●			02
 HALL	DALI Version	●	●			01 - 02
 JEDI	DALI Version			●	●	03 - 04
 JEDI RECESSED	DALI Version			●	●	03 - 04
 JEDI COMPACT INDOOR	DALI Version	●	●			01 - 02
 JEDI COMPACT OUTDOOR	DALI Version			●	●	03 - 04
 JEDI COMPACT OUTDOOR RECESSED	DALI Version			●	●	03 - 04
 JUPITER PRO	With DALI controller			●	●	03 - 04
 KEPLERO 160 - KEPLERO 280	DALI Version			●	●	03 - 04

Product	Variant	1T5349 Control module IP20	2T0131 Extender IP20	1E3048 Control module IP67	1E4369 Extender IP67	Schema Pag. 28
 KEPLERO 50 - KEPLERO 80	With DALI controller			●	●	03 - 04
 LABEL 230V	DALI Version	●	●			01 - 02
 LABEL	DALI Version		●			02
 LOGICO EASY STAND ALONE	DALI Version	●	●			01 - 02
 LOGICO EASY SYSTEM	DALI Version	●	●			01 - 02
 LOGICO SYSTEM	DALI Version	●	●			01 - 02
 MR. BO	DALI Version			●	●	03 - 04
 MRS. BO BOLLARD	DALI Version			●	●	03 - 04
 MRS. BO WALL	With DALI controller			●	●	03 - 04
 MRS. BO PATH	With DALI controller			●	●	03 - 04
 MR. SMITH	DALI Version			●	●	03 - 04
 MRS. SMITH	DALI Version			●	●	03 - 04
 OMEGA	DALI Version	●	●			01 - 02
 OZ STAND ALONE CEILING	DALI Version	●	●			01 - 02
 OZ STAND ALONE RECESSED	With DALI driver	●	●			01 - 02
 THREESIXTY	DALI Version	●	●			01 - 02
 VOLTA	With DALI driver	●	●	●	●	01 - 02 03 - 04
 ZEDGE - ZEDGE BOLLARD	With DALI controller			●	●	03 - 04
 ZEDGE LINE	DALI Version and with DALI controller			●	●	03 - 04
 ZEDGE PRO	DALI Version			●	●	03 - 04
 ZENO APPLIQUE	DALI Version	●	●			01 - 02

Wiring diagrams

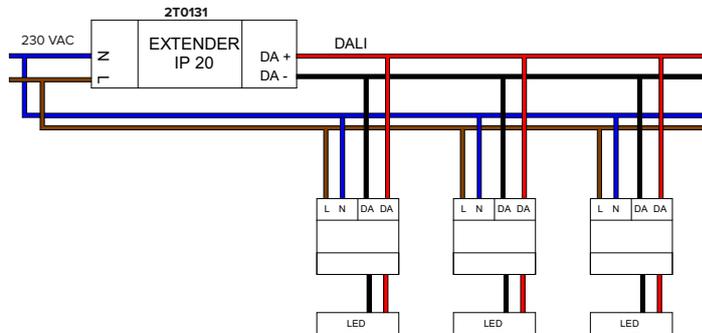
01 **1T5349**

Single DALI control IP20



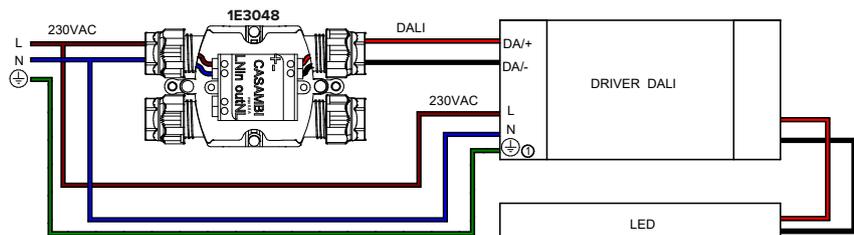
02 **2T0131**

DALI multiple control IP20



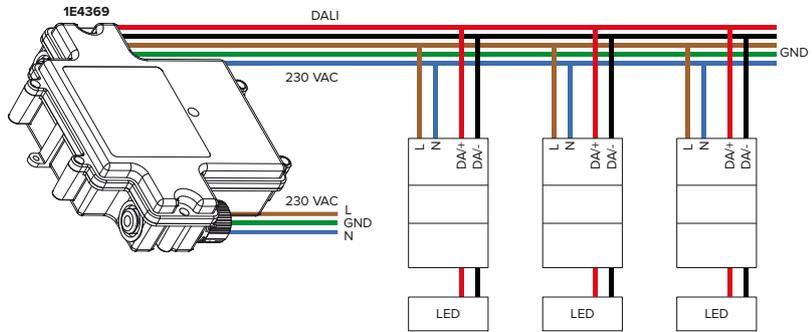
03 **1E3048**

DALI single control IP67



04 **1E4369**

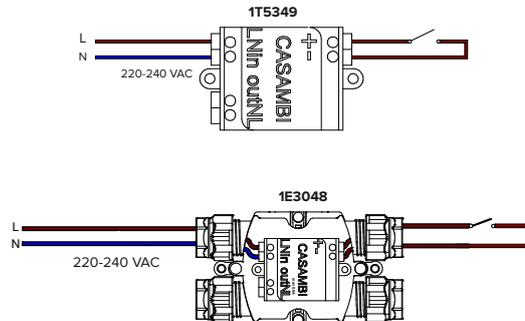
DALI multiple control IP67



05 **1T5349 - 1E3048**

Diagram for use with wall mounted push button

Normally open



DMX

Control system for DMX, Tunable White and RGBW fixtures

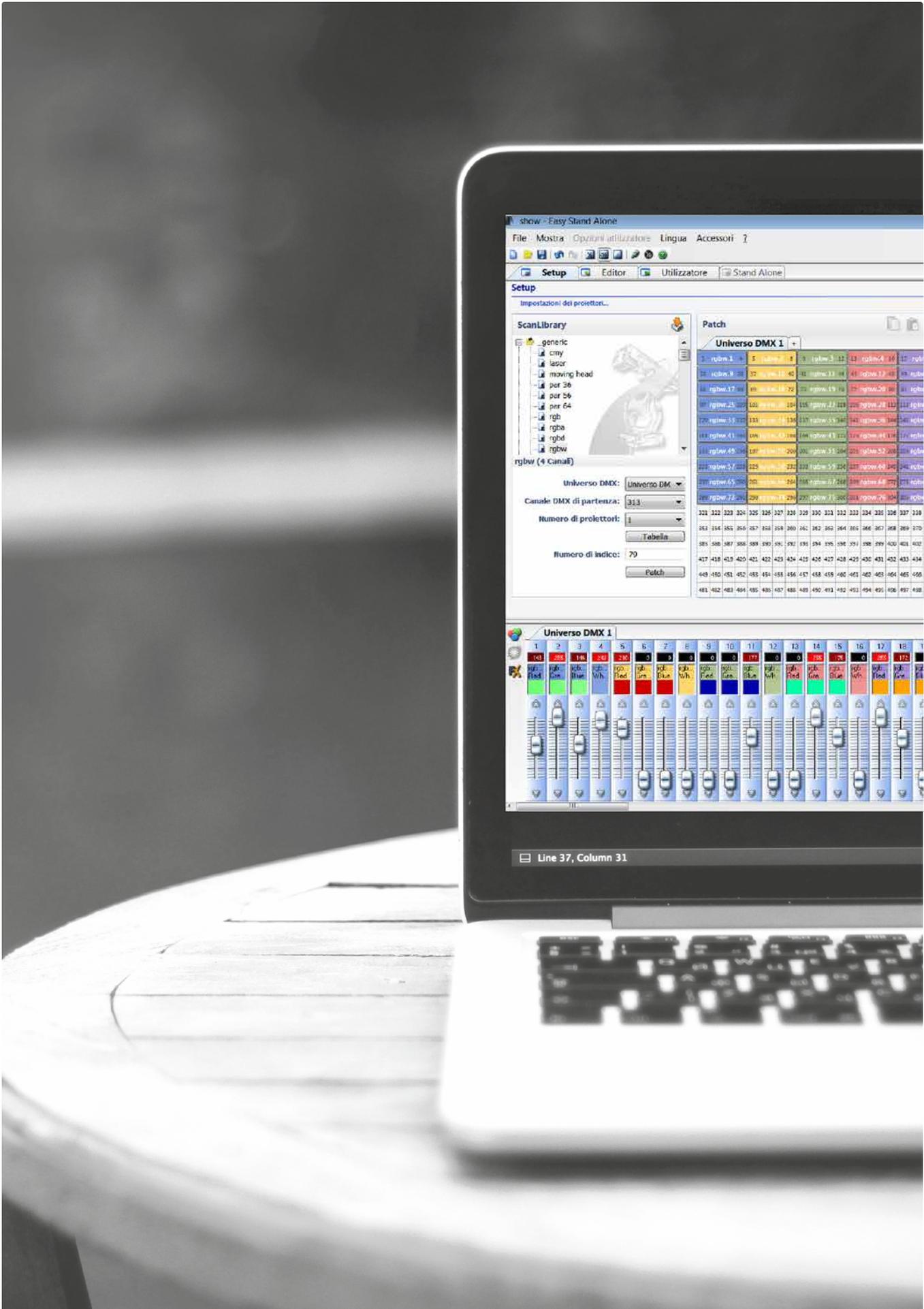
For programming and control RGBW fixtures use the DMX 512 digital protocol, the most widespread and proven standard for smart light control. This allows for complete compatibility with other fixtures on the market and makes a wide variety of accessories available at a reasonable cost.

Fixtures Power Supply

RGBW fixtures need special power supplies with PWM (Pulse Width Modulation) technology that makes it possible to regulate the light intensity separately of primary colours.

In larger RGBW products the integrated electronic power supply is always combined with the one used for dynamic control (DMX); in this case the fixtures are self-sufficient and defined as “smart”; smaller fixtures on the other hand require an external device that can power and control several fixtures at the same time.

RGBW fixtures are compatible with the DMX – RDM protocol that allows for remote programming via the data line.



mySCENARIO

Systems of digital devices designed to control dynamic lighting fixtures and to programme dynamic light scenarios and sequences. The system consists of an intuitive software, compatible with Windows operating systems, able to control different hardware devices having the following functions:

- recording colour-changing scenarios set by the operator;
- allowing the selection among the multiple scenarios recorded;
- rtransmitting the control signals to the lighting system.

The software is interfaced to the PC through a USB port; the interface with lighting fixtures is featured through a DMX 512 output.

patching function allows to assign the DMX control channels to the fixtures by using the internal library.

The Colour Manager function allows a quick and intuitive programming of a RGB light show, consisting of several steps with assigned duration and fading times. The programmed light shows can be transferred to the different control interfaces.

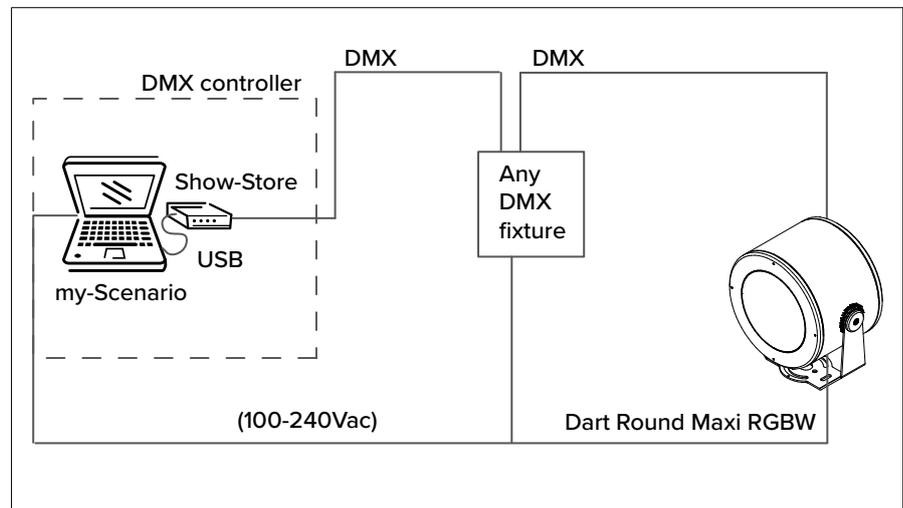
The software provides a graphic simulation of the operating keys of lighting controller; the

MYSCENARIO SHOW STORE

1T1898

Software + USB interface
Storage, via USB, of light-shows created through mySCENARIO software
Automatic stand-alone operation with non need of a PC or any other external driver
Keys for scrolling through programmed sequences
Digital display to show the number (1-99) of active scene
Led indicators for ON/OFF status
Three poles XLR output – DMX signal to lighting fixtures
XLR input for daisy chain connection to other identical unit
Management of 512 DMX channels (512 parameters to be programmed separately)
Memory dedicated to light shows proportional to number of connected channels (2877 with 20 channels; 2877 with 60 channels; 355 with 512 channels)

TYPICAL WIRING LAYOUT

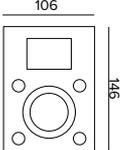


mySCENARIO Wall

DMX controller with a glass touch sensitive screen for architectural applications.

- It can control two different DMX universes (2x 512 channels).
- Stand alone function or connected to a computer using a USB port.
- Software for creating scenarios (that can be downloaded from the Targetti website) is included.
- It can manage 10 different lighting zones and 50 scenarios per zone.
- The touch keys on the front make it possible to modify and recall programmed scenarios.
- USB cable included.
- To be used with all RGBW products.

MYSCENARIO WALL

1T6499	
	
Power supply	6 Vdc
Output	4W
Memory	SD card
DMX Channels	2 x 511
Operating system	Windows 32/64bit
Dimensions	146 x 106 x 11 mm

USB-RDM Programmer code

DMX-RDM (Remote Device Management) address planner.

Used with the “RDM Targetti” software that can be downloaded for free from the Targetti website download section.

To be used with all RGBW products.

USB – RDM

1E2767	
	



TARGETTI SANKEY Srl
Certificated ISO 9001 n° 9130. TAR1
Certificated ISO 14001 n° IT319206

The Enec mark, ISO9001 and ISO14001 certifications and the CE marking all guarantee that the activities carried out internally in the company are governed and controlled by procedures which assure constant level of quality.

Accredited laboratory in accordance with ISO 17025.

Requisites and information

All fixtures of the Targetti collection have been designed and produced to comply with European Standard EN60598-1 relative to the safety requisite of light fixtures.

DIRECTIVES EUROPEAN COUNCIL

All fixtures comply with the following directives:

- EMC Directive 2014/30/EU
- LV Directive 2014/35/EU
- RoHS Directive 2011/65/EU

Unless specified otherwise

- all fixtures are supplied without lamps;
- all fixtures are sold separately;
- all measurements are expressed in millimeters;
- all fixtures at low voltage are supplied without transformer;
- For products in Class III performance is only guaranteed using the electronic power supplies and drivers indicated in the catalogue.



Targetti offers a five years warranty on the products that use LED light sources included in the Catalogues (unless otherwise specified).

The extension of guarantee does not apply to products with traditional light bulbs, to all the products for light management and control systems, both by Targetti and those by third parties, or to Targetti products fitted with 230V LED modules. For products fitted with traditional bulbs / LED bulbs, the warranty extension is valid only for the lighting product. The five years warranty is valid from the invoice date and covers any manufacturing and/or material defect found in products, if they are used in accordance with their intended use. The warranty terms are available on the Extension of guarantee.

Consorzio ecolight

Targetti Sankey Srl is a member of the Ecolight consortium that was set up in 2004 (D.Lgs. 49/2014) to comply with the provisions of the European Directive that was adopted in Italy as the European Directive 2012/19/EU for WEEE on managing, recovering and treating waste electrical and electronic equipment, used batteries and accumulators in compliance with all applicable legislation.

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Icons legend

	Class I luminaire in which the protection against electrical shock is guaranteed by the connections of the conductive elements accessible to a protective conductor (earth connection).
	Luminaire in which the connection to a protective conductor (earth connection) guarantees the immunity to radio noises.
	Class II luminaire (double insulation), protected against the accidental contact with parts under tension from the user.
	Class III luminaire, suitable for connection to very low voltage circuits.
	Solid particle and liquid ingress protection degree.
	Protection degree - Recessed part . Protection degree - Exposed part.
	Impact protection degree.
	ENEC European Norms Electrical Certification.

Particular symbols

	Weight of the single fixture
	Cable length
	Walk-over
	Driver-over safe
	Fixtures that have parameters below the minimum visibility threshold $PstLM \leq 1$ and $SVM \leq 0.4$ (IEC TR 61547-1 and IEC TR 63158).
	Casambi with accessories
	Casambi ready
	DMX on board
	DBS (Dynamic Beam Shaping) optic system

Light beam apertures

Optics	Optic description	from	to
NSP	Narrow Spot	5°	10°
SP	Spot	11°	21°
FL	Flood	22°	40°
MWFL	Medium Wide Flood	41°	50°
WFL	Wide Flood	51°	70°
VWFL	Very Wide Flood	71°	120°
WW	Wall Washer		
ASY	Asymmetric		
FW	Floor Washer		
ELL	Elliptical		
ELT	Elliptical Transversal		
AMB	Ambient		
OPL	Opal		
GRZ	Grazing		
UGR	UGR		
ZOOM	Zoom		
DBS	Dynamic Beam Shaping		

Note

- Please contact us for on demand treatments and versions.
- The performances reported on the products refer to the use of the recommended drivers.
- The drivers selected by Targetti make the fixtures "Safe Flicker".

