

Downlights

CCTEVO DOWNLIGHT



TARGETTI

CCTEVO DOWNLIGHT



CCTEvo Downlight is a range of recessed fixtures which are characterised by the essentiality of the shapes, depth of the range, excellent performance and high efficiency. A complete product particularly suited for lighting work and retail environments where reliability, high efficiency and quality of light are fundamental requirements.

						
Recessed	Soft controlled	UGR	2700K	3000K	3500K	4000K
INSTALLATION		LIGHT		COLOUR TEMPERATURE		
						
On-Off	Dali	Casambi	220-240V	500mA	White	Black
CONTROL			POWER SUPPLY		FINISH	

110-277V Power Supply
Ra80 (Ø105, Ø78, Ø58, Ø38)

ON REQUEST



CCTEVO DOWNLIGHT 214
Ø 214 mm
Trim
WFL (UGR) - VWFL

CCTEVO DOWNLIGHT 160
Ø 160 mm
Trim
WFL (UGR) - VWFL

CCTEVO DOWNLIGHT 105
Ø 105 mm
Trim - Trimless
WFL (UGR) - VWFL



A coordinated high performance range, even in the smaller versions. Different optical systems for soft, yet always controlled lighting. The largest diameter of 214 mm is also perfect for “retrofit” projects of old fluorescent fixtures and is ideal for lighting offices and retail environments. The smaller diameters are also suitable for focused lighting.

CCTEVO DOWNLIGHT 78
Ø 78 mm
Trim - Trimless
FL - WFL

CCTEVO DOWNLIGHT 58
Ø 58 mm
Trim - Trimless
FL - WFL

CCTEVO DOWNLIGHT 38
Ø 38 mm
Trim - Trimless
SP-FL-WFL



TRIM AND TRIMLESS FINISH

The Trim version has a visible stop ring with a black or white finish depending on the size. The ring is integrated into the fixture and very thin to allow for total integration into the environment.

It is possible to personalise the ring and the cover by choosing from the many finishes in the Easy Custom Colours range. The Trimless versions do not have stop rings and therefore appear much smaller and integrate perfectly into false ceilings. They are equipped with a special load-bearing element that leaves the fixture inspectable even once installed.



The larger sizes have specular reflectors and are characterised by:

- High performance and a compact size
- Efficiency up to 138lm/W
- An IP54 optical compartment that allows for installation in humid environments and covered external porches
- Two different optical systems for diffused lighting (VWFL) and soft controlled lighting (WFL) suitable for offices with video terminals (Standard EN12464-1) with UGR<19 and L65<1000cd/m²
A white finishing ring for the 214 and 160 versions and a black and white finishing ring and a trimless finish for the 105 versions
- Specular reflector



VWFL
Depth 98 mm



WFL (UGR)
Depth 131 mm



Versions for offices and retail



The smaller versions have a cover in the same colour as the finishing ring with a black or white matt finish and are characterised by:

- High performance and a compact size
- Efficiency up to 108lm/W
- An IP54 optical compartment that allows for installation in humid environments and covered external porches
- For accent lighting (FL) and soft controlled lighting (WFL)
- A black or white finishing ring and a trimless finish without a visible ring
- Light source hidden from view
- A remote driver for the 38 mm versions that makes it possible to power up to 5 fixtures
- A cut-off optic in the 38 mm version



Ø 58 mm

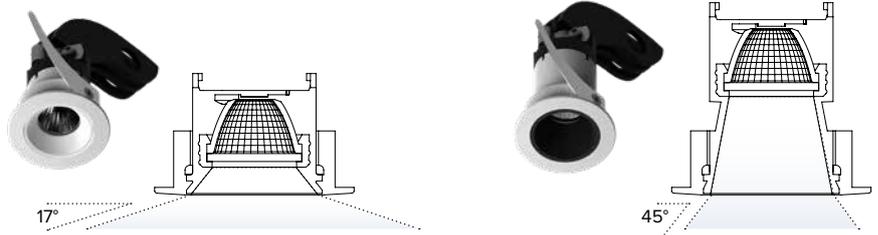
Ø 78 mm



Versions for Retail and Hospitality



Two different optical systems have been designed for the 38 mm diameter versions. The cut-off optic with the source set back allows for precise and controlled lighting, while the Classic versions have wider beams for a soft, diffused effect.

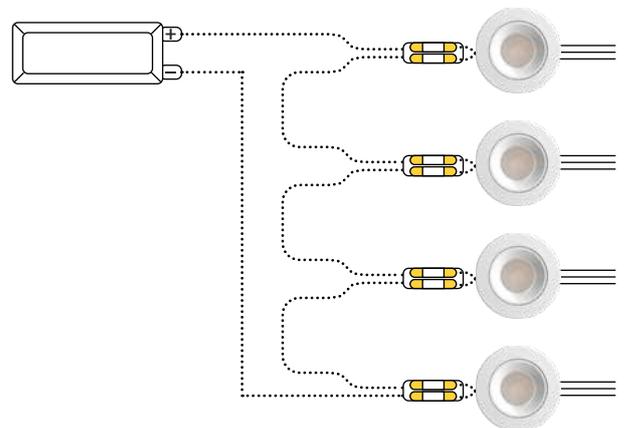


Ø 38 mm

Single module



Multiple configuration



Each luminaire can be powered with a single driver or choose the 4x driver option which can support up to 4 downlights simultaneously.

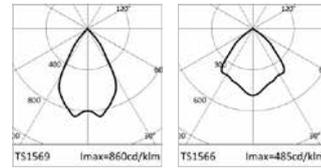
Single configurations: the electronic driver (1T9638EL) can pass through the recess hole of the Trim versions; the DALI driver (1T9638DA) does not pass through the recess hole of the Trimless versions.

Multiple configurations: the driver does not pass through the fixtures recess hole.

Versions Ø38mm



Ø214
 Up to 129lm/W
 From 4177lm to 6246lm
 2700K - 3000K - 3500K - 4000K
 Ra80 - Ra90

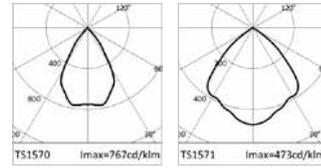


WFL (UGR) 62°

VWFL 88°



Ø160
 Up to 138lm/W
 From 2332lm to 4200lm
 2700K - 3000K - 3500K - 4000K
 Ra80 - Ra90

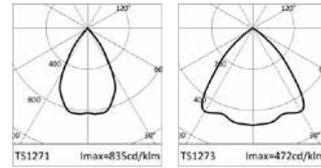


WFL (UGR) 63°

VWFL 89°



Ø105
 Up to 116lm/W
 From 1551lm to 1868lm
 2700K - 3000K - 3500K - 4000K
 Ra90

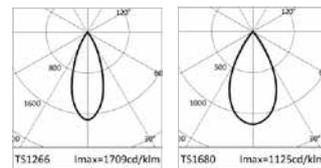


WFL (UGR) 61°

VWFL 87°



Ø78
 Up to 109lm/W
 From 1322lm to 1334lm
 2700K - 3000K - 3500K - 4000K
 Ra90

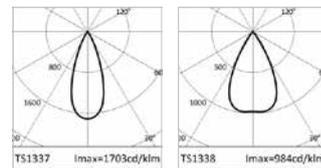


FL 39°

VWFL 54°



Ø58
 Up to 99lm/W
 From 856lm to 885lm
 2700K - 3000K - 3500K - 4000K
 Ra90

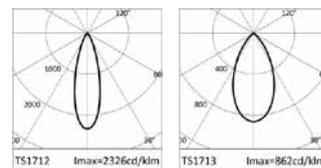


FL 38°

VWFL 55°

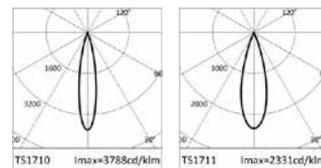


Ø38
 Up to 86lm/W
 From 320lm to 504lm
 2700K - 3000K - 3500K - 4000K
 Ra90



FL 30°

VWFL 53°



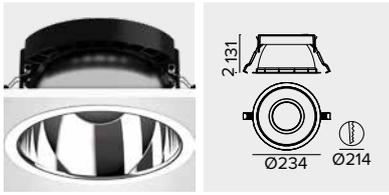
Cut-Off
 SP 20°

Cut-Off
 FL 29°

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

CCTEVO DOWNLIGHT 214 WFL (UGR)

220-240Vac | Ra80 - Ra90 | Fixture flux 3000K from 4177lm to 6072lm

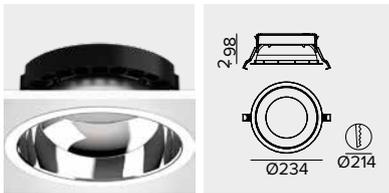


Optic	CRI	Driver	Colour	2700K	3000K	3500K	4000K
WFL (UGR) 62° 40W	80	ON-OFF	○	1T8219EL80	1T8222EL80	1T8225EL80	1T8228EL80
		DALI	○	1T8219DA80	1T8222DA80	1T8225DA80	1T8228DA80
	90	ON-OFF	○	1T8219EL	1T8222EL	1T8225EL	1T8228EL
		DALI	○	1T8219DA	1T8222DA	1T8225DA	1T8228DA
WFL (UGR) 62° 54W	80	ON-OFF	○	1T8220EL80	1T8223EL80	1T8226EL80	1T8229EL80
		DALI	○	1T8220DA80	1T8223DA80	1T8226DA80	1T8229DA80
	90	ON-OFF	○	1T8220EL	1T8223EL	1T8226EL	1T8229EL
		DALI	○	1T8220DA	1T8223DA	1T8226DA	1T8229DA

Note Related codes and accessory codes on page 14.

CCTEVO DOWNLIGHT 214 VWFL

220-240Vac | Ra80 - Ra90 | Fixture flux 3000K from 4297lm to 6246lm

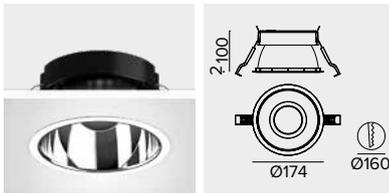


Optic	CRI	Driver	Colour	2700K	3000K	3500K	4000K
VWFL 88° 40W	80	ON-OFF	○	1T8231EL80	1T8234EL80	1T8237EL80	1T8240EL80
		DALI	○	1T8231DA80	1T8234DA80	1T8237DA80	1T8240DA80
	90	ON-OFF	○	1T8231EL	1T8234EL	1T8237EL	1T8240EL
		DALI	○	1T8231DA	1T8234DA	1T8237DA	1T8240DA
VWFL 88° 54W	80	ON-OFF	○	1T8232EL80	1T8235EL80	1T8238EL80	1T8241EL80
		DALI	○	1T8232DA80	1T8235DA80	1T8238DA80	1T8241DA80
	90	ON-OFF	○	1T8232EL	1T8235EL	1T8238EL	1T8241EL
		DALI	○	1T8232DA	1T8235DA	1T8238DA	1T8241DA

Note Related codes and accessory codes on page 14.

CCTEVO DOWNLIGHT 160 WFL (UGR)

220-240Vac | Ra80 - Ra90 | Fixture flux 3000K from 2332lm to 3769lm

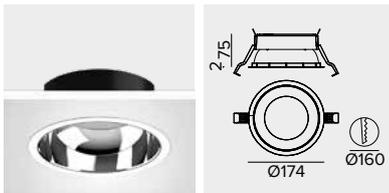


Optic	CRI	Driver	Colour	2700K	3000K	3500K	4000K
WFL (UGR) 63° 22W	80	ON-OFF	○	1T8291EL80	1T8294EL80	1T8297EL80	1T8300EL80
		DALI	○	1T8291DA80	1T8294DA80	1T8297DA80	1T8300DA80
	90	ON-OFF	○	1T8291EL	1T8294EL	1T8297EL	1T8300EL
		DALI	○	1T8291DA	1T8294DA	1T8297DA	1T8300DA
WFL (UGR) 63° 34W	80	ON-OFF	○	1T8292EL80	1T8295EL80	1T8298EL80	1T8301EL80
		DALI	○	1T8292DA80	1T8295DA80	1T8298DA80	1T8301DA80
	90	ON-OFF	○	1T8292EL	1T8295EL	1T8298EL	1T8301EL
		DALI	○	1T8292DA	1T8295DA	1T8298DA	1T8301DA

Note Related codes and accessory codes on page 14.

CCTEVO DOWNLIGHT 160 VWFL

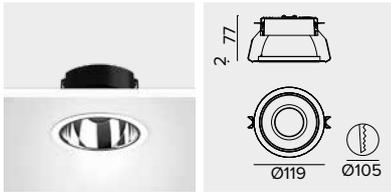
220-240Vac | Ra80 - Ra90 | Fixture flux 3000K from 2598lm to 4200lm



Optic	CRI	Driver	Colour	2700K	3000K	3500K	4000K
VWFL 89° 22W	80	ON-OFF	○	1T8303EL80	1T8306EL80	1T8309EL80	1T8312EL80
		DALI	○	1T8303DA80	1T8306DA80	1T8309DA80	1T8312DA80
	90	ON-OFF	○	1T8303EL	1T8306EL	1T8309EL	1T8312EL
		DALI	○	1T8303DA	1T8306DA	1T8309DA	1T8312DA
VWFL 89° 34W	80	ON-OFF	○	1T8304EL80	1T8307EL80	1T8310EL80	1T8313EL80
		DALI	○	1T8304DA80	1T8307DA80	1T8310DA80	1T8313DA80
	90	ON-OFF	○	1T8304EL	1T8307EL	1T8310EL	1T8313EL
		DALI	○	1T8304DA	1T8307DA	1T8310DA	1T8313DA

Note Related codes and accessory codes on page 14.

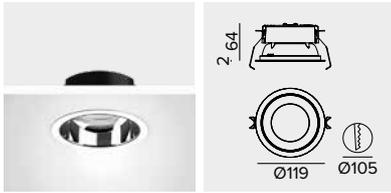
CCTEVO DOWNLIGHT 105 WFL (UGR)
220-240Vac | Ra90 | Fixture flux 3000K 1551lm



Optic	Driver	Colour	2700K	3000K	3500K	4000K
WFL (UGR) 61° 15W	ON-OFF	○	1T8399EL	1T8401EL	1T8403EL	1T8405EL
		●	1T8423EL	1T8425EL	1T8427EL	1T8429EL
	DALI	○	1T8399DA	1T8401DA	1T8403DA	1T8405DA
		●	1T8423DA	1T8425DA	1T8427DA	1T8429DA

Note Related codes and accessory codes on page 14.

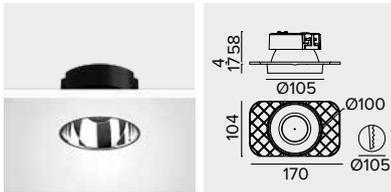
CCTEVO DOWNLIGHT 105 VWFL
220-240Vac | Ra90 | Fixture flux 3000K 1868lm



Optic	Driver	Colour	2700K	3000K	3500K	4000K
VWFL 87° 17W	ON-OFF	○	1T8407EL	1T8409EL	1T8411EL	1T8413EL
		●	1T8431EL	1T8433EL	1T8435EL	1T8437EL
	DALI	○	1T8407DA	1T8409DA	1T8411DA	1T8413DA
		●	1T8431DA	1T8433DA	1T8435DA	1T8437DA

Note Related codes and accessory codes on page 14.

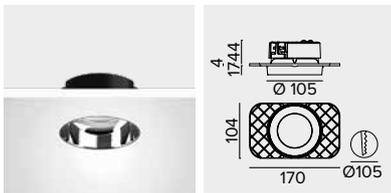
CCTEVO DOWNLIGHT 105 WFL (UGR) Trimless
220-240Vac | Ra90 | Fixture flux 3000K 1551lm



Optic	Driver	Colour	2700K	3000K	3500K	4000K
WFL (UGR) 61° 15W	ON-OFF		1T8399ELTR	1T8401ELTR	1T8403ELTR	1T8405ELTR
	DALI		1T8399DATR	1T8401DATR	1T8403DATR	1T8405DATR

Note Related codes and accessory codes on page 14.

CCTEVO DOWNLIGHT 105 VWFL Trimless
220-240Vac | Ra90 | Fixture flux 3000K 1868lm



Optic	Driver	Colour	2700K	3000K	3500K	4000K
VWFL 87° 17W	ON-OFF		1T8407ELTR	1T8409ELTR	1T8411ELTR	1T8413ELTR
	DALI		1T8407DATR	1T8409DATR	1T8411DATR	1T8413DATR

Note Related codes and accessory codes on page 14.

CCTEVO DOWNLIGHT 78

220-240Vac | Ra90 | Fixture flux 3000K from 1322lm to 1334lm

		Optic	Driver	Colour	2700K	3000K	3500K	4000K
	FL 39° 13W	ON-OFF	○	●	1T8546EL	1T8547EL	1T8548EL	1T8549EL
			●	1T8558EL	1T8559EL	1T8560EL	1T8561EL	
		DALI	○	●	1T8546DA	1T8547DA	1T8548DA	1T8549DA
			●	1T8558DA	1T8559DA	1T8560DA	1T8561DA	
	WFL 54° 13W	ON-OFF	○	●	1T9981EL	1T9982EL	1T9983EL	1T9984EL
			●	1T9985EL	1T9986EL	1T9987EL	1T9988EL	
		DALI	○	●	1T9981DA	1T9982DA	1T9983DA	1T9984DA
			●	1T9985DA	1T9986DA	1T9987DA	1T9988DA	

Note Related codes and accessory codes on page 14.

CCTEVO DOWNLIGHT 78 Trimless

220-240Vac | Ra90 | Fixture flux 3000K from 1322lm to 1334lm

		Optic	Driver	Colour	2700K	3000K	3500K	4000K
	FL 39° 13W	ON-OFF	○	●	1T8546ELTR	1T8547ELTR	1T8548ELTR	1T8549ELTR
			●	1T8558ELTR	1T8559ELTR	1T8560ELTR	1T8561ELTR	
		DALI	○	●	1T8546DATR	1T8547DATR	1T8548DATR	1T8549DATR
			●	1T8558DATR	1T8559DATR	1T8560DATR	1T8561DATR	
	WFL 54° 13W	ON-OFF	○	●	1T9981ELTR	1T9982ELTR	1T9983ELTR	1T9984ELTR
			●	1T9985ELTR	1T9986ELTR	1T9987ELTR	1T9988ELTR	
		DALI	○	●	1T9981DATR	1T9982DATR	1T9983DATR	1T9984DATR
			●	1T9985DATR	1T9986DATR	1T9987DATR	1T9988DATR	

Note Related codes and accessory codes on page 14.

CCTEVO DOWNLIGHT 58

220-240Vac | Ra90 | Fixture flux 3000K from 856lm to 885lm

		Optic	Driver	Colour	2700K	3000K	3500K	4000K
	FL 38° 10W	ON-OFF	○	●	1T8266EL	1T8267EL	1T8268EL	1T8269EL
			●	1T8274EL	1T8275EL	1T8276EL	1T8277EL	
		DALI	○	●	1T8266DA	1T8267DA	1T8268DA	1T8269DA
			●	1T8274DA	1T8275DA	1T8276DA	1T8277DA	
	WFL 55° 10W	ON-OFF	○	●	1T8270EL	1T8271EL	1T8272EL	1T8273EL
			●	1T8278EL	1T8279EL	1T8280EL	1T8281EL	
		DALI	○	●	1T8270DA	1T8271DA	1T8272DA	1T8273DA
			●	1T8278DA	1T8279DA	1T8280DA	1T8281DA	

Note Related codes and accessory codes on page 14.

CCTEVO DOWNLIGHT 58 Trimless

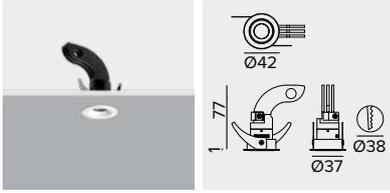
220-240Vac | Ra90 | Fixture flux 3000K from 856lm to 885lm

		Optic	Driver	Colour	2700K	3000K	3500K	4000K
	FL 38° 10W	ON-OFF	○	●	1T8266ELTR	1T8267ELTR	1T8268ELTR	1T8269ELTR
			●	1T8274ELTR	1T8275ELTR	1T8276ELTR	1T8277ELTR	
		DALI	○	●	1T8266DATR	1T8267DATR	1T8268DATR	1T8269DATR
			●	1T8274DATR	1T8275DATR	1T8276DATR	1T8277DATR	
	WFL 55° 10W	ON-OFF	○	●	1T8270ELTR	1T8271ELTR	1T8272ELTR	1T8273ELTR
			●	1T8278ELTR	1T8279ELTR	1T8280ELTR	1T8281ELTR	
		DALI	○	●	1T8270DATR	1T8271DATR	1T8272DATR	1T8273DATR
			●	1T8278DATR	1T8279DATR	1T8280DATR	1T8281DATR	

Note Related codes and accessory codes on page 14.

CCTEVO DOWNLIGHT 38

500mA | Ra90 | Fixture flux 3000K from 481lm to 504lm

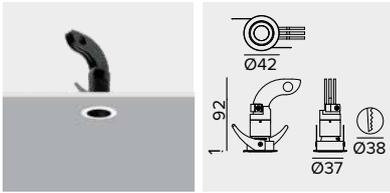


Optic	Colour	2700K	3000K	3500K	4000K
FL 30° 6W	○	2T0016	2T0017	2T0018	2T0019
	●	2T0020	2T0021	2T0022	2T0023
WFL 53° 6W	○	2T0024	2T0025	2T0026	2T0027
	●	2T0028	2T0029	2T0030	2T0031

Note Related codes and accessory codes on page 14.

CCTEVO DOWNLIGHT 38 CUT-OFF

500mA | Ra90 | Fixture flux 3000K from 320lm to 374lm

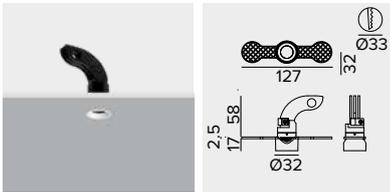


Optic	Colour	2700K	3000K	3500K	4000K
SP 20° 6W	◐	2T0032	2T0033	2T0034	2T0035
	●	2T0036	2T0037	2T0038	2T0039
FL 29° 6W	◐	2T0040	2T0041	2T0042	2T0043
	●	2T0044	2T0045	2T0046	2T0047

Note Related codes and accessory codes on page 14.

CCTEVO DOWNLIGHT 38 Trimless

500mA | Ra90 | Fixture flux 3000K from 481lm to 504lm

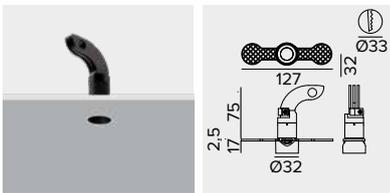


Optic	Colour	2700K	3000K	3500K	4000K
FL 30° 6W	○	2T0016TR	2T0017TR	2T0018TR	2T0019TR
	●	2T0020TR	2T0021TR	2T0022TR	2T0023TR
WFL 53° 6W	○	2T0024TR	2T0025TR	2T0026TR	2T0027TR
	●	2T0028TR	2T0029TR	2T0030TR	2T0031TR

Note Related codes and accessory codes on page 14.

CCTEVO DOWNLIGHT 38 CUT-OFF Trimless

500mA | Ra90 | Fixture flux 3000K from 320lm to 374lm



Optic	Colour	2700K	3000K	3500K	4000K
SP 20° 6W	●	2T0036TR	2T0037TR	2T0038TR	2T0039TR
FL 29° 6W	●	2T0044TR	2T0045TR	2T0046TR	2T0047TR

Note Related codes and accessory codes on page 14.

Related codes and accessories

CCTEVO DOWNLIGHT 214 -160 - 105 - 78 - 58

Accessory codes

Mounting System

	L mm	Code
	2500	1T9606

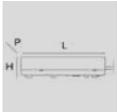
Anti-fall safety cable to secure the body of the appliance to the building structure.

Related codes and accessories

CCTEVO DOWNLIGHT 38

Related codes

Power Supply

	Dimensions LxHxP mm	Power	Power supply	Output current	IP	Code
	158x19x22	max 14W	110-240Vac	500mA	IP20	1T9638EL
	124x22x79	max 50W	110-240Vac	500mA	IP20	1T9639EL

Electronic power supply.

	Dimensions LxHxP mm	Power	Power supply	Output current	IP	Code
	198x21x31	max 38W	220-240Vac	500mA	IP20	1T9638DA
	124x22x79	max 50W	110-240Vac	500mA	IP20	1T9639DA

DALI power supply.

Related codes and accessories

CCTEVO DOWNLIGHT | Codes compatible with the whole range

Accessory codes

Emergency Kit

Code

A059



Emergency kit composed of an inverter a LiFePO4 battery and a LED Green indicator.
Allows permanent EP emergency use of the fixture it is connected to. The 1h or 3h autonomy can be selected by configuring the fixture. The batteries take 12h to completely recharge.
LED Green indicator wired to the inverter through single-core cables L= 800mm.
Emergency kit for fixtures that comply with EN 60598-2-22 standard, high risk areas excluded.
Battery size 160x54x30 mm.
Inverter size 165x40x25 mm.

Control systems

Code

1T5349



IP20 wireless control unit with DALI interface.
More details on page 24.

Code

2T0131



IP20 Extender for wireless control of LED driver with dimming DALI (or 1-10V) interface based on Casambi technology.
More details on page 24.

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.

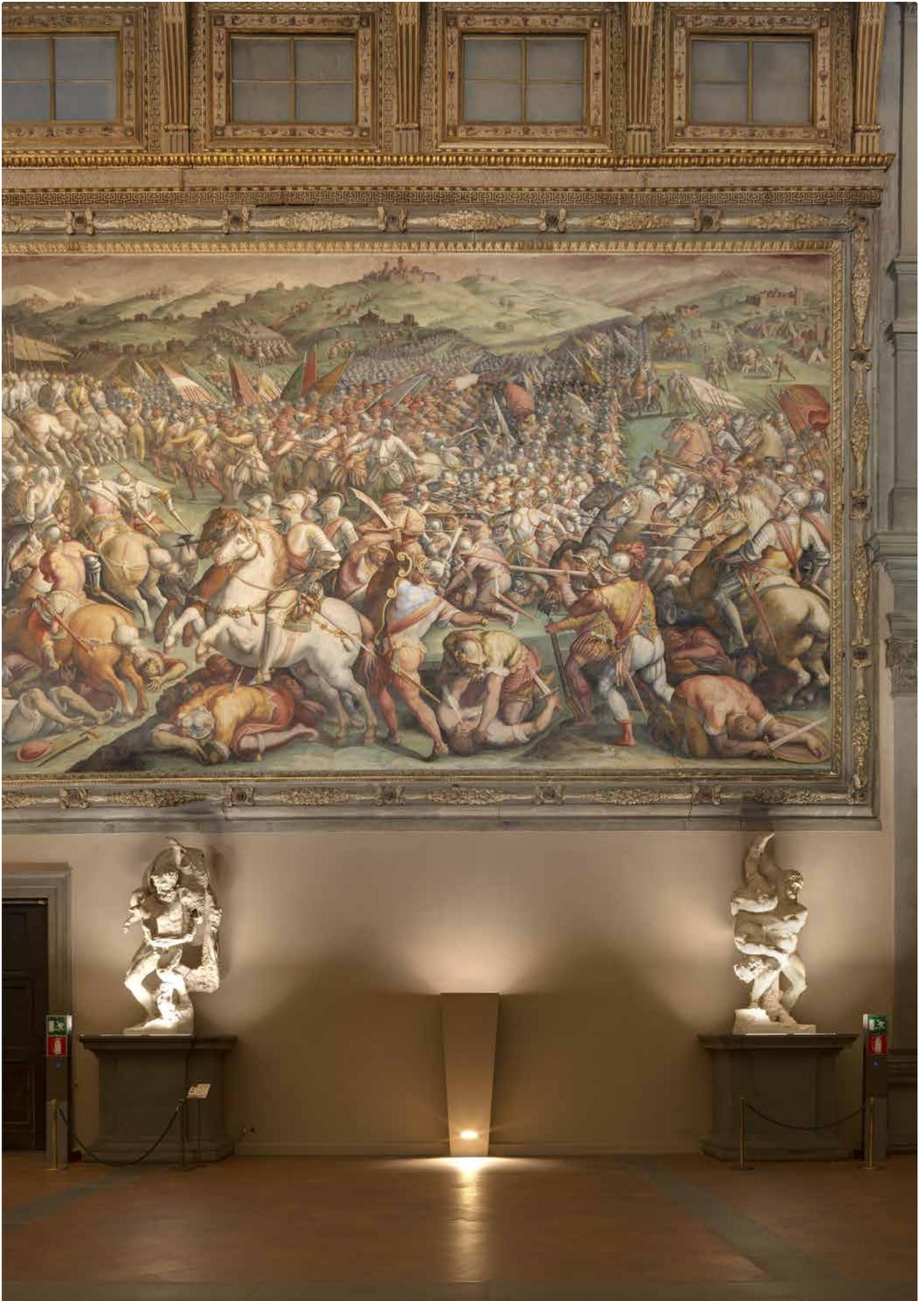
CASAMBI

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.

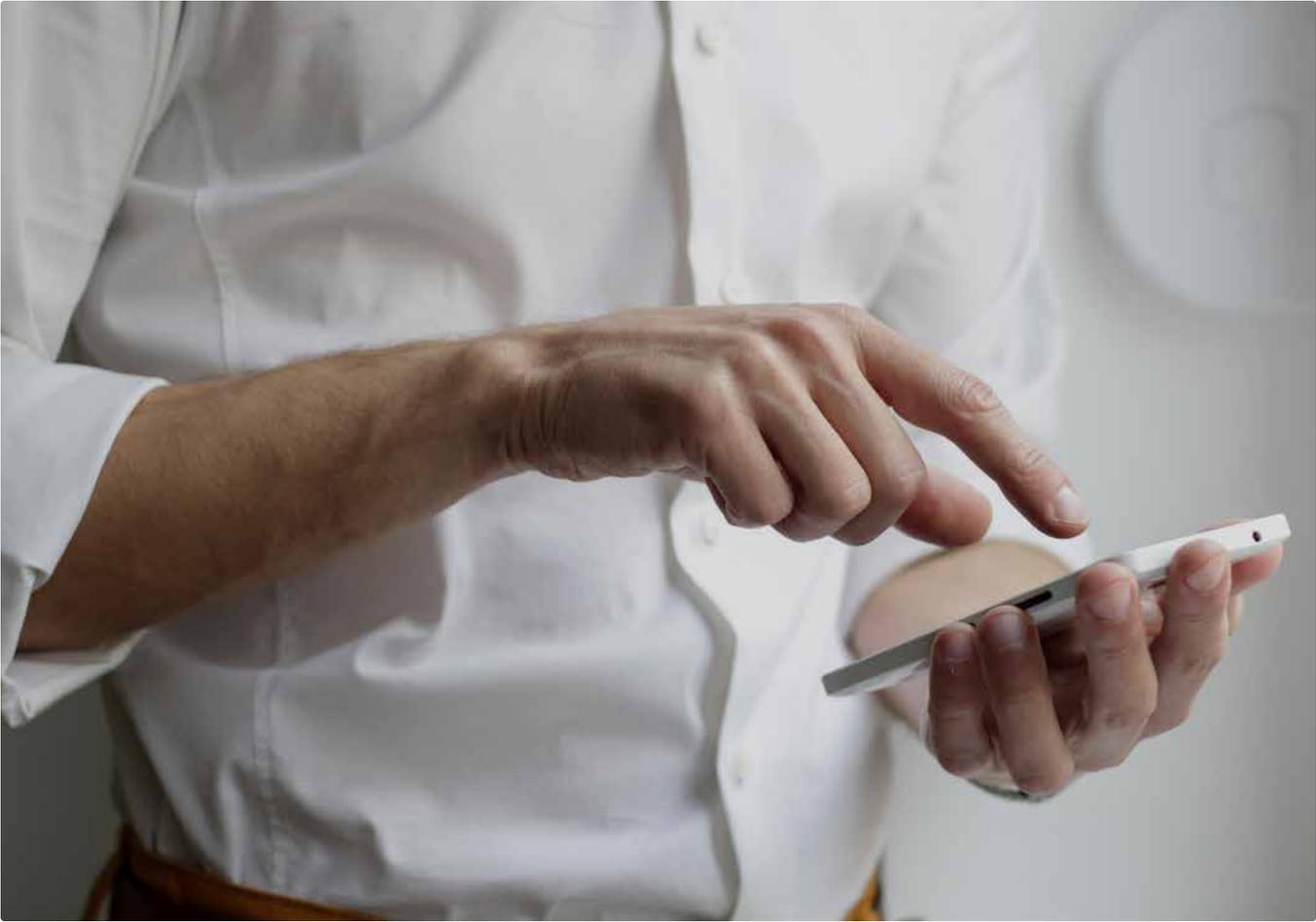
Extreme usability

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

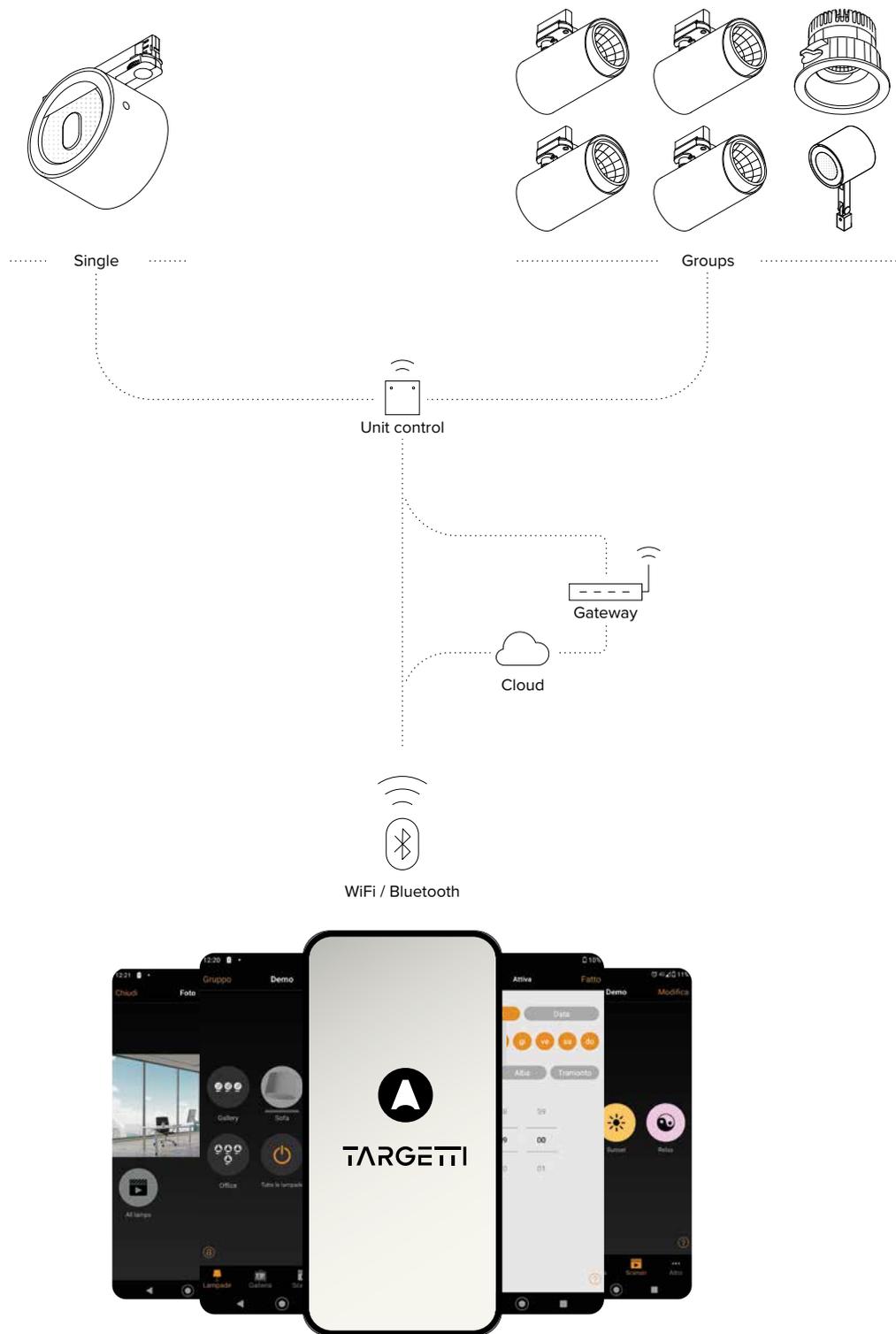
fixtures that are installed in the space automatically by using the BLE (Casambi Bluetooth Low Energy) proprietary protocol to communicate with the various fixtures. No Internet connection is necessary except for synchronisation functions or remote access.

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.

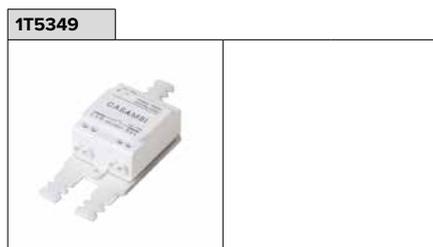
Casambi Accessories

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

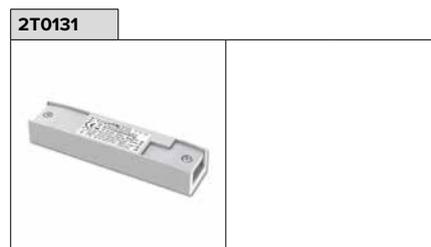


IP20 wireless control unit with DALI interface. It generates a local DALI2 bus, enabling a direct connection to a DALI interface LED driver. The module can only be used in a closed system and cannot be connected to an existing DALI network. The module is wireless controlled using a Casambi app for smartphones 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

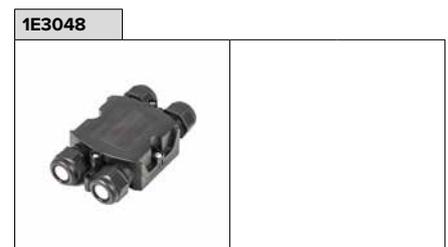


IP20 Extender for wireless control of LED driver with dimming DALI (or 1-10V) interface based on Casambi technology. It has a DALI2 output with the capacity to control up to 40 lighting fixtures. With the addition of a further external BUS DALI power supply it is possible to control up to 64 fixtures. 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

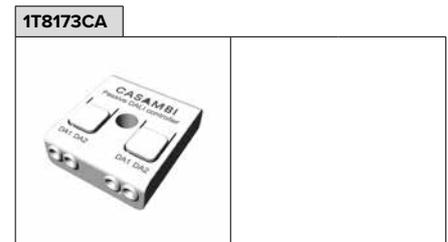
XPRESS



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

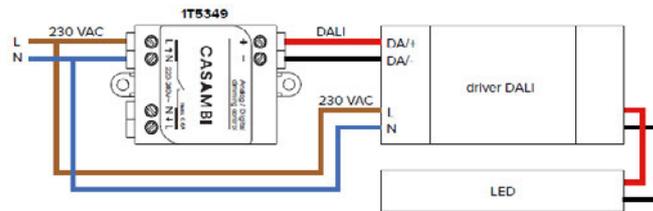
Product	Variant	1T5349 Control module IP20	2T0131 Extender IP20	1E3048 Control module IP67	1E4369 Extender IP67	Schema Pag. 28
 BEBOP RECESSED	DALI Version	●	●			01 - 02
 CCTEVO ARCHITECTURAL	DALI Version	●	●			01 - 02
 CCTEVO DOWNLIGHT	DALI Version	●	●			01 - 02
 CCTEVO TUBE	DALI Version	●	●			01 - 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

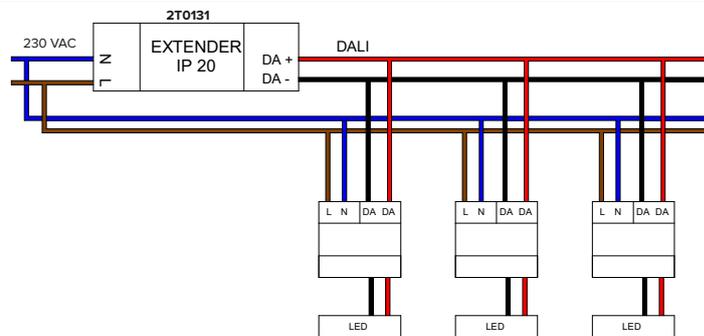
01 **1T5349**

Single DALI control IP20



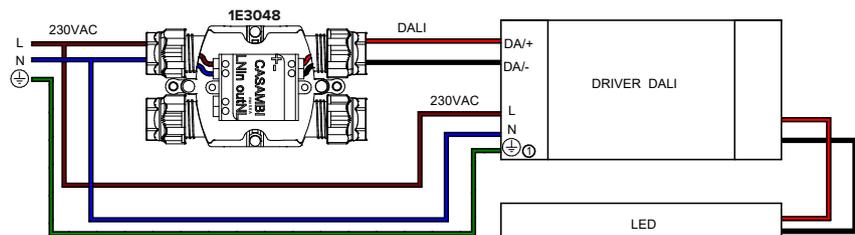
02 **2T0131**

DALI multiple control IP20



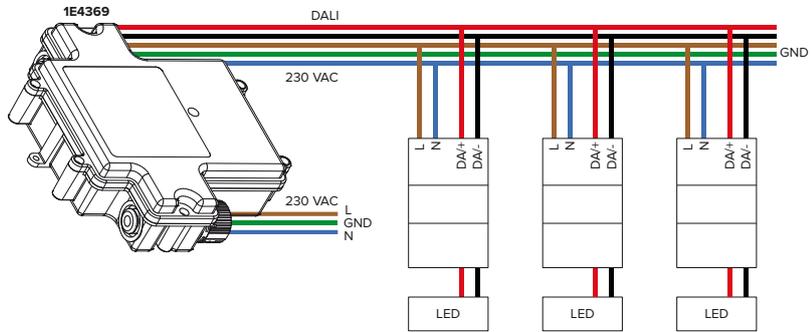
03 **1E3048**

DALI single control IP67



04 **1E4369**

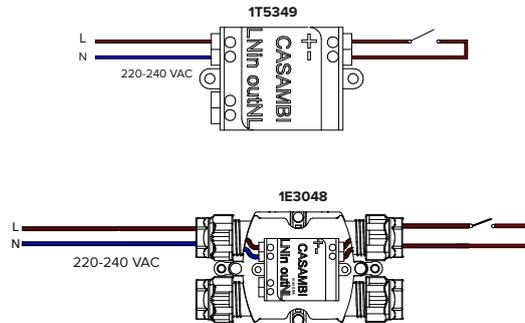
DALI multiple control IP67



05 **1T5349 - 1E3048**

Diagram for use with wall mounted push button

Normally open



DMX

Control system for DMX, Tunable White and RGBW fixtures

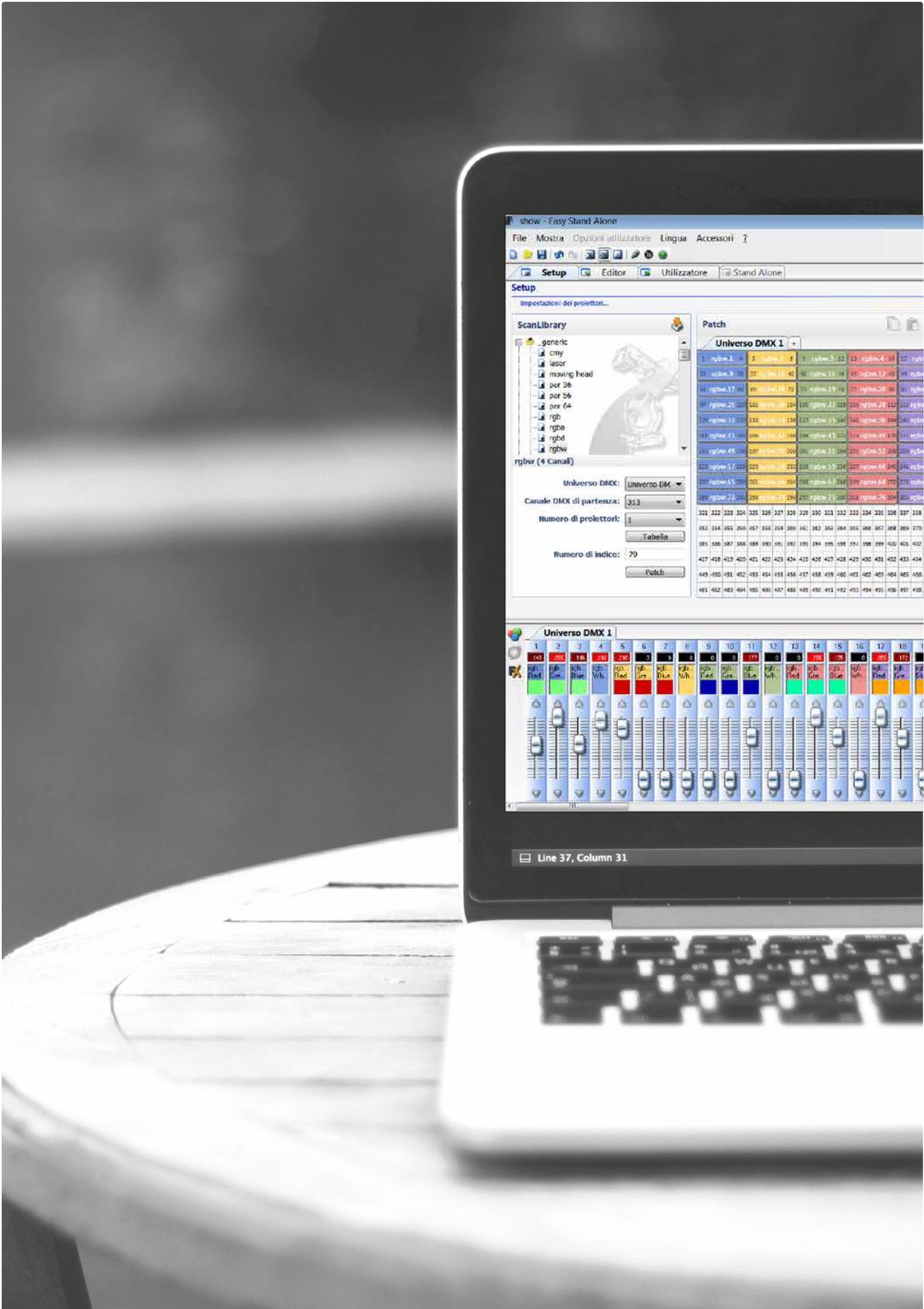
For programming and control RGBW fixtures use the DMX 512 digital protocol, the most widespread and proven standard for smart light control. This allows for complete compatibility with other fixtures on the market and makes a wide variety of accessories available at a reasonable cost.

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.

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

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

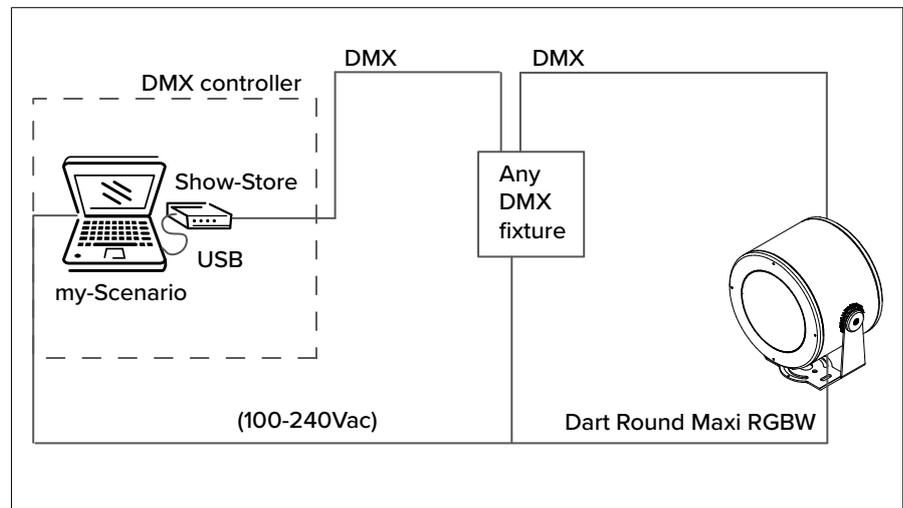
Three poles XLR output – DMX signal to lighting fixtures

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

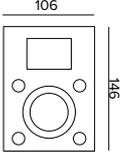


mySCENARIO Wall

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".

