

Projectors

# DART ROUND























**TARGETTI**

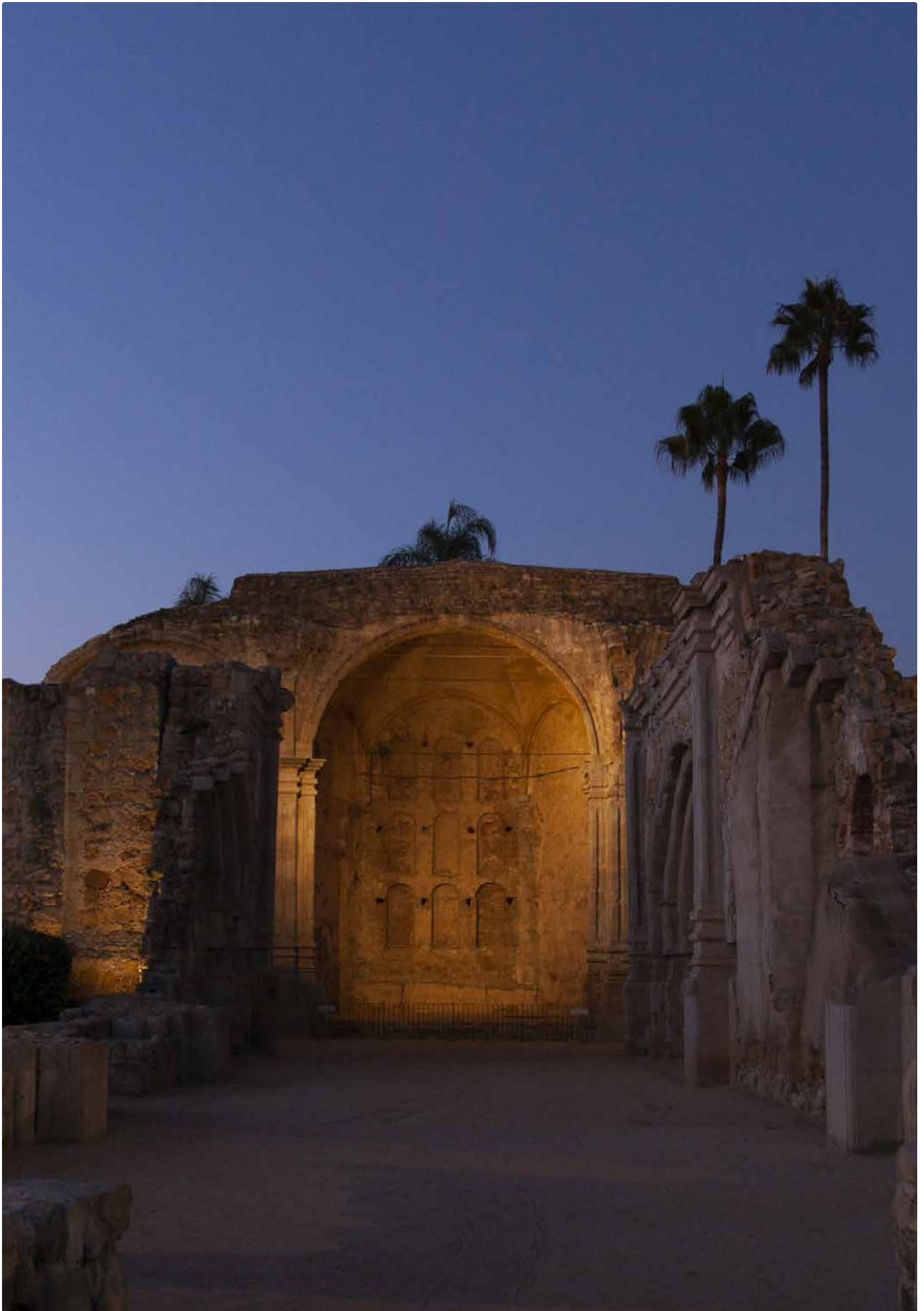
# DART ROUND

Outdoor



A range of projectors ideal for lighting architecture and landscapes. The different sizes and lumen outputs make it possible to light bigger gardens and architecture.

									
Surface	Wall	Pole	Ground	Accent	Soft controlled	3000K	4000K	RGBW	Tunable White 2700K-5000K
INSTALLATION				LIGHT		COLOUR TEMPERATURE			
									
On-Off	Dali	Dali DT8	DMX RDM	Casambi	220-240V	IP66			
CONTROL					POWER SUPPLY		PROTECTION RATING		
					Cataphoresis treatment 110-277V Power Supply Ra90 2700K - 3500K				
IK10	Ferrite			Easy Custom Colours	ON REQUEST				
RESISTANCE				FINISH					













**DART ROUND MAXI**  
Ø 235mm

The largest size in the range ensures real emissions up to 7000lm (8900lm source)



**DART ROUND MEDIUM**  
Ø 130mm

With a compact size it provides professional performance for a precise and defined projected light



**DART ROUND SMALL**  
Ø 88mm

Available in a thinner version with an integrated driver or with a more compact shape with a remote driver.

The DART Round range, available in three different sizes, features durable materials, attention to thermal management which is essential for the lifespan of the LED sources, a large range of optics and high performance.



**Colour change  
versions with RGBW  
and Tunable white  
technology**

The RGBW multi-chip solution is equipped with LED sources with a compact case containing all 4 colour sources. It is an advantageous solution because the light emitted is mixed directly within the source without any significant colour

variance. The effect is saturated and uniform even in perfectly white light. Also available in a Tunable White version with dynamic variation of the colour temperature of the light from 2700K to 5000K.



**DART ROUND MAXI RGBW - TW**  
Ø 235mm



**DART ROUND MEDIUM RGBW - TW**  
Ø 130mm



**DART ROUND SMALL RGBW - TW**  
Ø 88mm











#### **Narrow Spot Optic**

The Narrow Spot Optic has a precise and controlled 5° beam opening created using a lens optical system, ideal for lighting monuments and architectural details with absolute uniformity and precision from great distances. It is suitable where installation appears to be complex and very distant from the surface to be lit. From a distance of 50 metres this optic can create a luminous effect with a diameter of 5 metres, but it can also cover greater distances.



#### **Spot and Flood Optic**

Concentrated effects like Spot and Flood are created using hybrid optical systems that combine the high efficiency and precision of the lenses with the softness that a reflector provides. This type of beam opening is ideal to enhance architectural details, portions of building facades and slender trees.



#### **Medium Wide Flood and Wide Flood Optics**

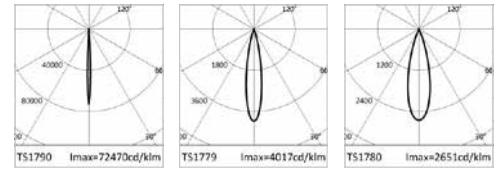
They are suitable for lighting wide surfaces, building facades, trees and in any environment where soft yet controlled lighting is required.

## **The optics**

All optical systems are developed and produced in the in-house Optics department at the Targetti headquarters in Florence and are designed to obtain the best optical performance and quality of the lighting effect based on the dimensions, characteristics and performance of the LED.



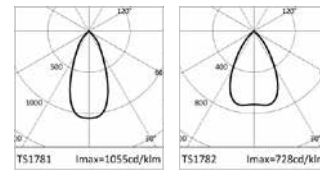
**DART ROUND MAXI**  
Up to 97lm/W  
From 1310lm to 6760lm  
2700K - 3000K - 3800K - 4000K - 5000K  
Ra80



LENS  
NSP 5°

HYBRID  
SP 19°

HYBRID  
FL 27°

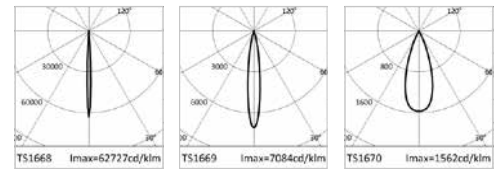


REFLECTOR  
MWFL 46°

REFLECTOR  
WFL 62°



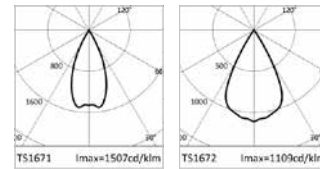
**DART ROUND MEDIUM**  
Up to 128lm/W  
From 518lm to 4148lm  
2700K - 3000K - 3850K - 4000K - 5000K  
Ra80



LENS  
NSP 5°

HYBRID  
SP 14°

HYBRID  
FL 36°

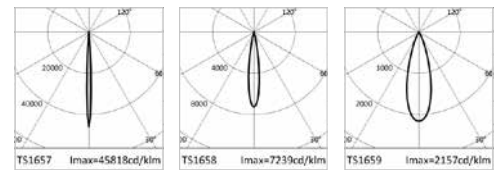


REFLECTOR  
MWFL 46°

REFLECTOR  
WFL 56°



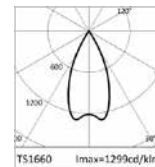
**DART ROUND SMALL**  
Up to 124lm/W  
From 162lm to 1672lm  
2700K - 3000K - 3850K - 4000K - 5000K  
Ra80



LENS  
NSP 5°

LENS  
SP 16°

LENS  
FL 30°



REFLECTOR  
MWFL 48°





Anti-glare  
screen



Super  
snoot



Blade  
of light filter



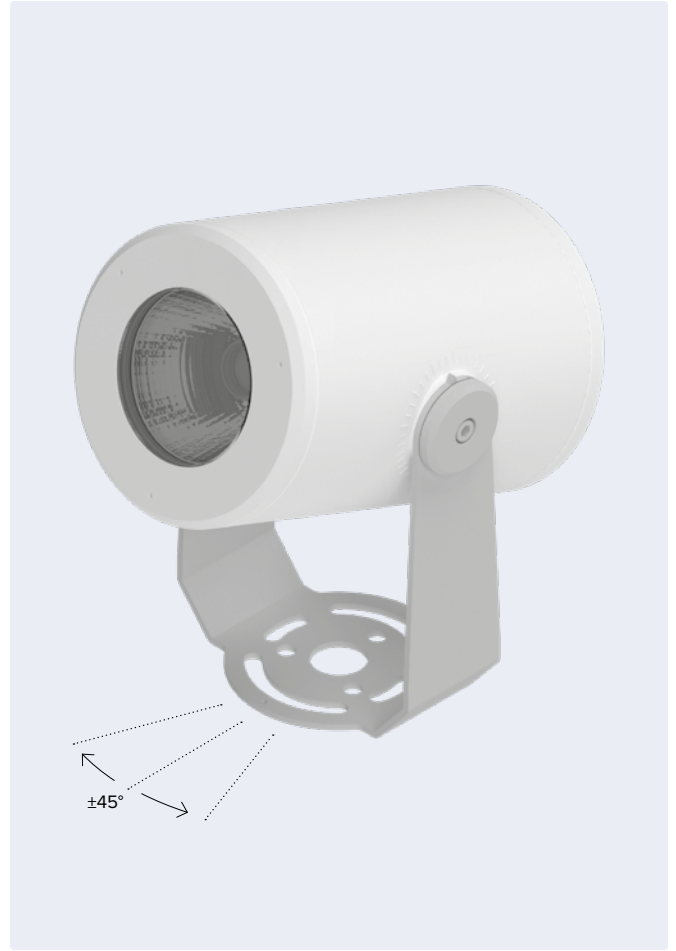
Asymmetric screen



Symmetric screen

## Optical accessories

A vast range of optical accessories allows Dart Round to modify and customise the beam emission based on actual needs. The fixing points located on the sealing ring make it possible to attach the accessories externally avoiding the risk of infiltration.

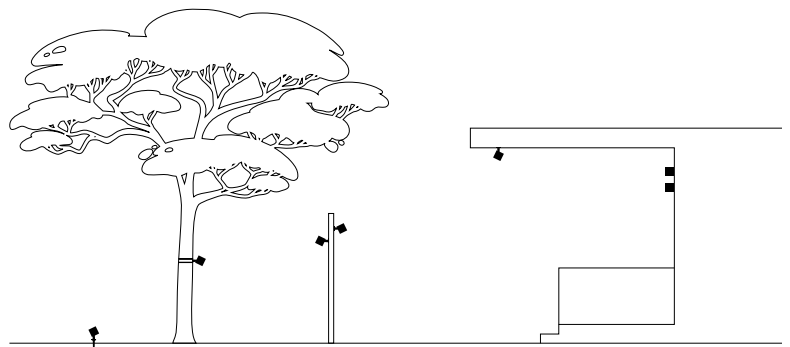


#### Installation solutions

The fixing bracket allows the projector to rotate on the horizontal plane by  $\pm 45^\circ$  and by  $+90^\circ/-45^\circ$  on the vertical plane. The graduated ring located on the device near the joint allows for precise adjustment which is particularly useful for replicating aiming on multiple devices.

#### Installation flexibility

The versatility of the projectors in this range, combined with the numerous installation accessories, enables a wide variety of installation options.



## DART Round Maxi

220-240Vac | Ra80 | Fixture flux 3000K from 1310lm to 6760lm



Optic	Driver	Colour	3000K	4000K
NSP 5° 17W	ON-OFF	●	1E3992EL	1E3997EL
	DALI	●	1E3992DA	1E3997DA
SP 19° 71W	ON-OFF	●	1E3993EL	1E3998EL
	DALI	●	1E3993DA	1E3998DA
FL 27° 71W	ON-OFF	●	1E3994EL	1E3999EL
	DALI	●	1E3994DA	1E3999DA
MWFL 46° 71W	ON-OFF	●	1E3995EL	1E4000EL
	DALI	●	1E3995DA	1E4000DA
WFL 62° 71W	ON-OFF	●	1E3996EL	1E4001EL
	DALI	●	1E3996DA	1E4001DA

**Note** Related codes and accessory codes on page 17.

## DART Round Maxi TW

220-240Vac | Ra80 | Fixture flux from 1945lm to 2594lm

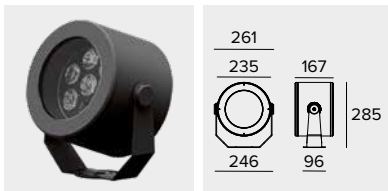
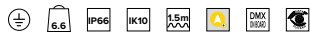


Optic	Driver	Colour	2700-5000K
SP 15° 33W	DALI DT8	●	1E4043DA
FL 32° 33W	DALI DT8	●	1E4044DA
MWFL 46° 33W	DALI DT8	●	1E4045DA

**Note** Related codes and accessory codes on page 17.

## DART Round Maxi RGBW

220-240Vac | Fixture flux up to 2333lm | RGBW W=6500K

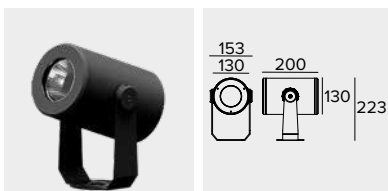


Optic	Driver	Colour	RGBW
NSP 10° 50W	DMX RDM	●	1E4062
SP 17° 50W	DMX RDM	●	1E4052
FL 30° 50W	DMX RDM	●	1E4053
MWFL 44° 50W	DMX RDM	●	1E4054

**Note** Related codes and accessory codes on page 17.

## DART Round Medium

220-240Vac | Ra80 | Fixture flux 3000K from 518lm to 4148lm

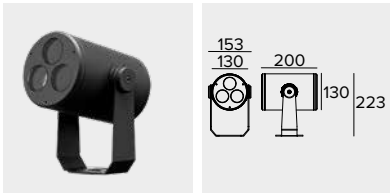
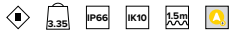


Optic	Driver	Colour	3000K	4000K
NSP 5° 8W	ON-OFF	●	1E3982EL	1E3987EL
	DALI	●	1E3982DA	1E3987DA
SP 14° 28W	ON-OFF	●	1E3983EL	1E3988EL
	DALI	●	1E3983DA	1E3988DA
FL 36° 28W	ON-OFF	●	1E3984EL	1E3989EL
	DALI	●	1E3984DA	1E3989DA
MWFL 46° 33W	ON-OFF	●	1E3985EL	1E3990EL
	DALI	●	1E3985DA	1E3990DA
WFL 56° 33W	ON-OFF	●	1E3986EL	1E3991EL
	DALI	●	1E3986DA	1E3991DA

**Note** Related codes and accessory codes on page 17.



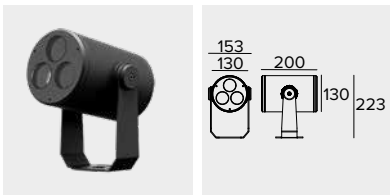
**DART Round Medium TW**  
700mA | Ra80 | Fixture flux from 777lm to 967lm



Optic	Power supply	Colour	2700-5000K
SP 14° 12W	700mA	●	1E4040
FL 29° 12W	700mA	●	1E4041
MWFL 40° 12W	700mA	●	1E4042

**Note** Values related to the power consumption of the fixture do not take into account the consumption of the accessory driver, which depends on the choice of driver.  
Related codes and accessory codes on page 17.

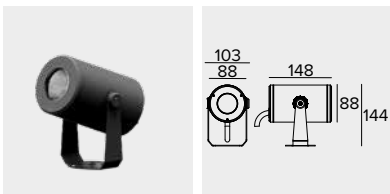
**DART Round Medium RGBW**  
850mA | Fixture flux up to 1265lm | RGBW W=6500K



Optic	Power supply	Colour	RGBW
NSP 10° 33W	850mA	●	1E4061
SP 16° 33W	850mA	●	1E4049
FL 29° 33W	850mA	●	1E4050
MWFL 40° 33W	850mA	●	1E4051

**Note** Values related to the power consumption of the fixture do not take into account the consumption of the accessory driver, which depends on the choice of driver.  
Related codes and accessory codes on page 17.

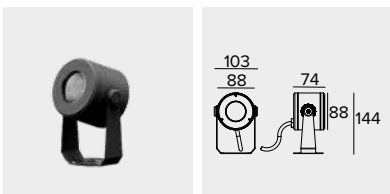
**DART Round Small Integrated driver**  
220-240Vac | Ra80 | Fixture flux 3000K from 162lm to 1477lm



Optic	Driver	Colour	3000K	4000K
NSP 5° 4W	ON-OFF	●	1E3974EL	1E3978EL
SP 16° 15W	ON-OFF	●	1E3975EL	1E3979EL
	DALI	●	1E3975DA	1E3979DA
FL 30° 14W	ON-OFF	●	1E3976EL	1E3980EL
	DALI	●	1E3976DA	1E3980DA
MWFL 48° 14W	ON-OFF	●	1E3977EL	1E3981EL
	DALI	●	1E3977DA	1E3981DA

**Note** Related codes and accessory codes on page 17.

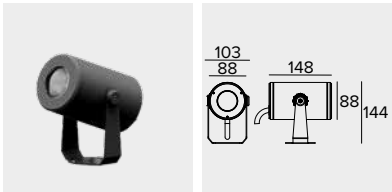
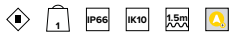
**DART Round Small Remote driver**  
Ra80 | Fixture flux 3000K from 162lm to 1672lm



Optic	Power supply	Colour	3000K	4000K
NSP 5° 2W	700mA	●	1E3966	1E3970
SP 16° 15W	400mA	●	1E3967	1E3971
FL 30° 14W	400mA	●	1E3968	1E3972
MWFL 48° 14W	400mA	●	1E3969	1E3973

**Note** Values related to the power consumption of the fixture do not take into account the consumption of the accessory driver, which depends on the choice of driver.  
Related codes and accessory codes on page 17.

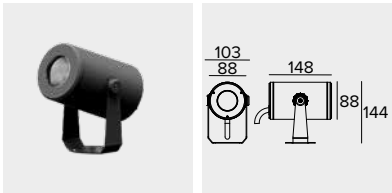
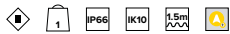
**DART Round Small TW**  
700mA | Ra80 | Fixture flux from 317lm to 399lm



Optic	Power supply	Colour	2700-5000K
SP 15° 4W	700mA	●	1E4037
FL 32° 4W	700mA	●	1E4038
MWFL 45° 4W	700mA	●	1E4039

**Note** Values related to the power consumption of the fixture do not take into account the consumption of the accessory driver, which depends on the choice of driver.  
Related codes and accessory codes on page 17.

**DART Round Small RGBW**  
850mA | Fixture flux up to 455lm | RGBW W=6500K



Optic	Power supply	Colour	RGBW
NSP 10° 11W	850mA	●	1E4060
SP 17° 11W	850mA	●	1E4046
FL 31° 11W	850mA	●	1E4047
MWFL 44° 11W	850mA	●	1E4048





**Note** Values related to the power consumption of the fixture do not take into account the consumption of the accessory driver, which depends on the choice of driver.  
Related codes and accessory codes on page 17.





## Related codes and accessories

### DART Round

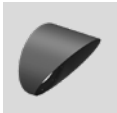



#### Accessory codes





##### Filter

	Version	Colour	Code
	Dart Round Maxi		1E4010
	Dart Round Medium		1E4006
	Dart Round Small		1E4002
Blade of light filter. PMMA holographic filter for a blade of light effect. Completed with powder coated aluminum alloy holder ring.			

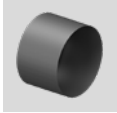



	Version	Colour	Code
	Dart Round Medium NSP		1E4263
	Dart Round Medium TW		
	Dart Round Medium RGBW		
<p>Blade of light filter. PMMA holographic filter for a blade of light effect. Completed with powder coated aluminum alloy holder ring.</p>			





##### Screen

	Version	Colour	Code
	Dart Round Maxi		1E4011
	Dart Round Medium		1E4007
	Dart Round Small		1E4003
Asymmetric screen. Powder coated stainless steel.			





	Version	Colour	Code
	Dart Round Maxi		1E4012
	Dart Round Medium		1E4008
	Dart Round Small		1E4004
Cylindrical screen. Powder coated stainless steel. Short version.			





##### Grid




	Version	Colour	Code
	Dart Round Maxi		1E4059
	Dart Round Medium		1E4058
	Dart Round Small		1E4057
Cylindrical screen. Powder coated stainless steel. Long version.			




	Version	Colour	Code
	Dart Round Maxi		1E4013
	Dart Round Medium		1E4009
	Dart Round Small		1E4005
Anti-glare louver. Powder coated stainless steel. Not compatible with DART Round Medium NSP, DART Medium TW and DART Medium RGBW.			



#### Mounting System

	Version	Colour	Code
	Dart Round Maxi		1E3026
	Dart Round Medium		1E3026
	Dart Round Small		1E3015
Plate for fixture rotation. Powder coated stainless steel.			

	Version	Colour	Code
	Dart Round Maxi   Ø150x352mm		1E3188
	Dart Round Medium   Ø96x182mm		1E3028
	Dart Round Small   Ø70x182mm		1E3016
Earthspike. Powder coated stainless steel.			

	Version	Colour	Code
	Dart Round Maxi		1E2825
	Dart Round Medium		1E2825
Pole bracket. Anodised and powder coated aluminium. Pole Ø 60mm (+/-2mm).			

	Version	Colour	Code
	Dart Round Maxi		1E3097
	Dart Round Medium		1E3027
Pole multiple mounting system. Powder coated stainless steel. To be completed with 1E2825. Max 4 projectors.			

	Version	Colour	Code
	Dart Round Maxi		1E3187
Pole with base. Powder coated stainless steel.			

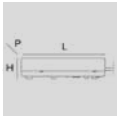


## Related codes and accessories

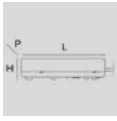
### DART Round

#### Accessory codes

#### Power Supply DART Round Small Monochromatic


	Dimensions LxHxP mm	Power	Power supply	Output current	IP	Code
	146x22x43	18W	220-240Vac	400mA	IP20	1T4215EL
	115x26x53	20W 15W	220-240Vac 110-127Vac	400mA	IP68	1E3033EL
	119x22x52	20W	220-240Vac	700mA	IP20	1T9637EL
	122x26x54	15W 17W	110-240Vac 220-240Vac	700mA	IP68	1E4239EL

Electronic power supply.

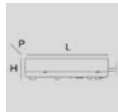
	Dimensions LxHxP mm	Power	Power supply	Output current	IP	Code
	146x30x44	20W	220-240Vac	400mA	IP20	1T4215DA
	115x26x53	20W 15W	220-240Vac 110-127Vac	400mA	IP68	1E3033DA
	119x22x52	15W 20W	110-240Vac 220-240Vac	700mA	IP20	1T9637DA
	122x26x54	15W 30W	110-240Vac 220-240Vac	700mA	IP68	1E4239DA

DALI power supply.

#### Power Supply DART Round Medium and Small TW


	Code
	1E4056
Tunable White DALI driver - 700mA. 50W, LxHxP=220x80x120mm, 110-277Vac. IP68 gray powder coated aluminum box.	

#### Power Supply DART Round Medium and Small RGBW

	Code
	1E3883
DMX 4 channel driver - 850mA. 50W, LxHxP=220x80x120mm, 120-277Vac. IP68 gray powder coated aluminum box.	


#### Accessory codes

#### Connector



Version	Code
Dart Round Maxi	1E2769
Dart Round Maxi TW	
Dart Round Medium	
Dart Round Medium TW	
Dart Round Small	
Linear connection box IP66/IP68. 5 poles max. wire section 1.5mm <sup>2</sup> . Cable diameter range from 7 to 12mm.	


Version	Code
Dart Round Small	1E2493
Linear connection box IP68. 4 poles max. wire section 2.5mm <sup>2</sup> . Cable diameter range from 7 to 12mm.	



Version	Code
Dart Round Maxi	1E2494
Dart Round Medium	
Dart Round Medium TW	

Multiple connection box IP68.  
 1 IN - 3 OUT 4 poles max. wire section 2.5mm<sup>2</sup>.  
 Cable diameter range from 6 to 12mm.

#### Tool




Version	Code
Dart Round Maxi	1E3305
Dart Round Maxi TW	
Dart Round Medium	
Dart Round Medium TW	
Dart Round Small	
Tightening wrench for the connector kit.	


## Related codes and accessories


### DART Round


#### Accessory codes


#### Control systems

Version	Code
	<b>1E3048</b>
Dart Round Maxi TW	
Dart Round Medium	
Dart Round Medium TW	
Dart Round Small	
Dart Round Small TW	
IP67 wireless control unit with DALI interface. More details on page 672.	


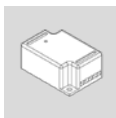
Version	Code
	<b>1E4369</b>
Dart Round Maxi	
Dart Round Maxi TW	
Dart Round Medium	
Dart Round Medium TW	
Dart Round Small	
Dart Round Small TW	
IP67 Extender for wireless control of LED driver with dimming DALI interface based on Casambi technology. More details on page 672.	

Version	Code
	<b>1E2767</b>
Dart Round Medium RGBW	
Dart Round Small RGBW	
USB-RDM Programmer code. More details on page 678.	

Version	Code
	<b>1T1898</b>
Dart Round Medium RGBW	
Dart Round Small RGBW	
my-SCENARIO Show Store. More details on page 678.	

Version	Code
	<b>1T6499</b>
Dart Round Medium RGBW	
Dart Round Small RGBW	
myScenario Wall. More details on page 678.	

#### Surge protector

Version	Code	Version	Code
			
Dart Round Maxi	A013A	Dart Round Maxi	A013C
Dart Round Maxi TW		Dart Round Maxi TW	
Dart Round Maxi RGBW		Dart Round Medium	
Dart Round Medium		Dart Round Small	
Dart Round Small			
<p>Surge protector compatible with CLASS I lighting fixtures. Operating voltage 230-277Vac. SPD type 2+3. Max surge protection 10kV. CLASS I IP67</p>		<p>Surge protector compatible with CLASS I lighting fixtures. DALI, DMX, 0-10V datalines compliance. Operating voltage 230Vac. SPD type 2+3. Max surge protection 10kV. CLASS I IP20</p>	

# 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.

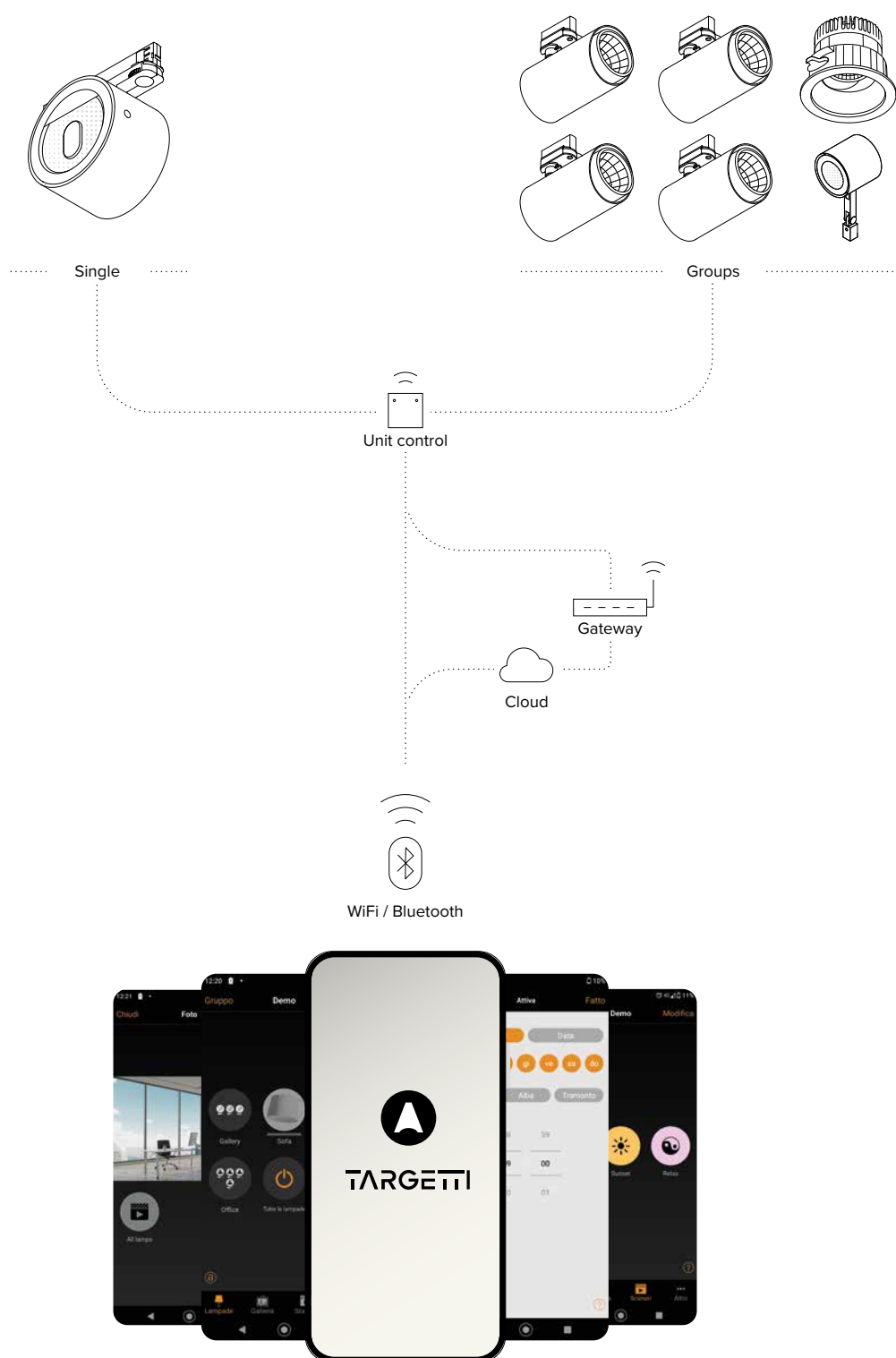
## **Mesh self-healing network**

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

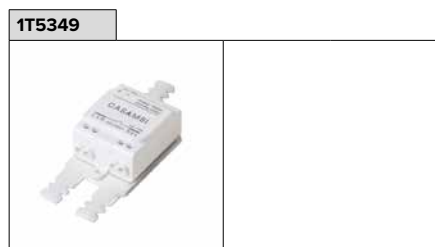
External accessories with simple electric cables make it possible to control Targetti fixtures in wireless mode.

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

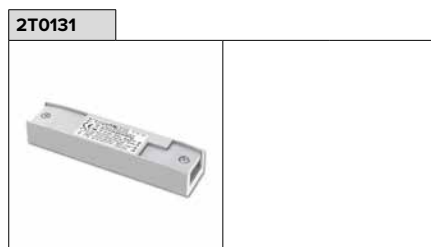


IP20 wireless control unit with DALI interface. It generates a local DALI2 bus, enabling a direct connection to a DALI interface LED driver. The module can only be used in a closed system and cannot be connected to an existing DALI network. The module is wireless controlled using a Casambi app for smartphones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

1E4369



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

1T5350

Black

2T0132

White



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

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. 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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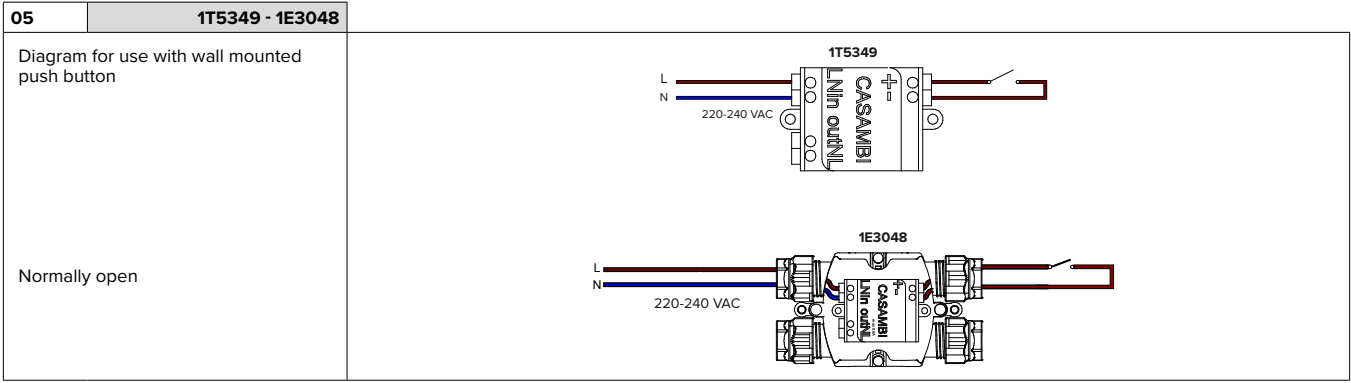
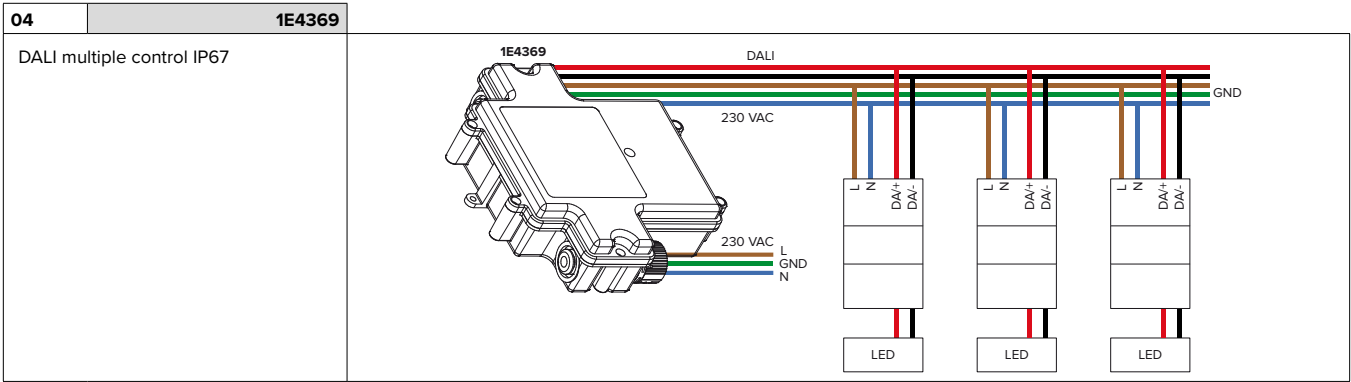
## Quadro sinottico accessori Casambi

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

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

Wiring diagrams

01	1T5349	Single DALI control IP20	
02	2T0131	DALI multiple control IP20	
03	1E3048	DALI single control IP67	



# DMX

Control system for DMX, Tunable White and RGBW fixtures

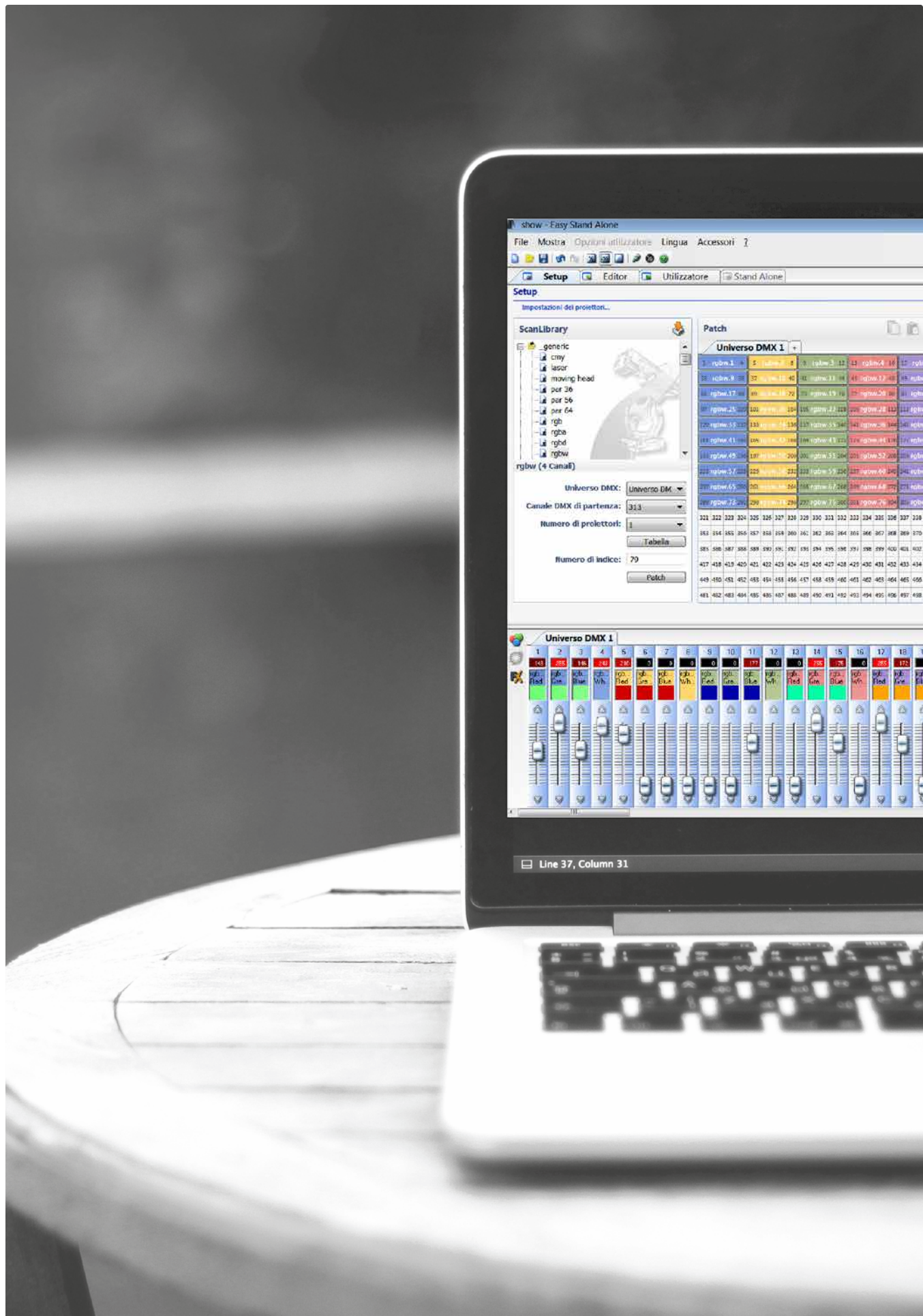
For programming and control RGBW fixtures use the DMX 512 digital protocol, the most widespread and proven standard for smart light control. This allows for complete compatibility with other fixtures on the market and makes a wide variety of accessories available at a reasonable cost.

## **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;
  - transmitting 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.

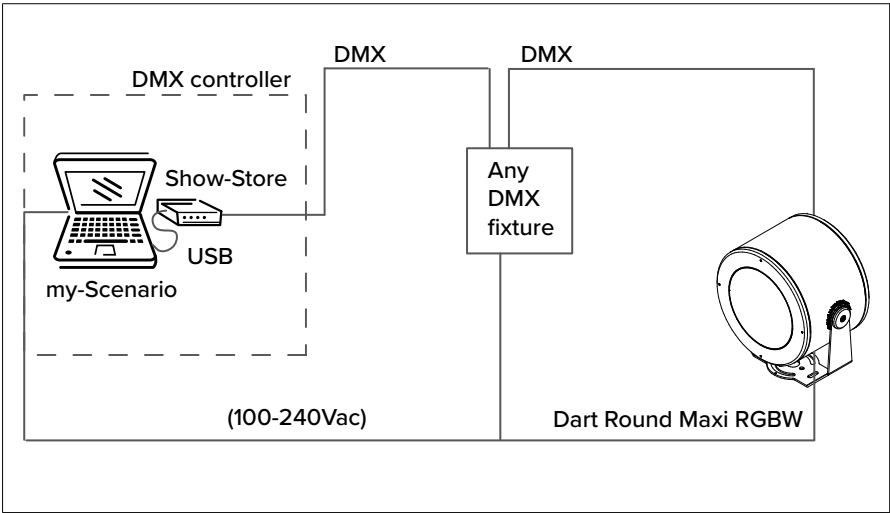
The software provides a graphic simulation of the operating keys of lighting controller; the
- patching function allows to assign the DMX control channels to the fixtures by using the internal library.

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.

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

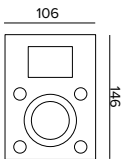


# mySCENARIO Wall

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.



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".



