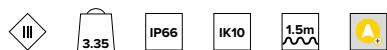
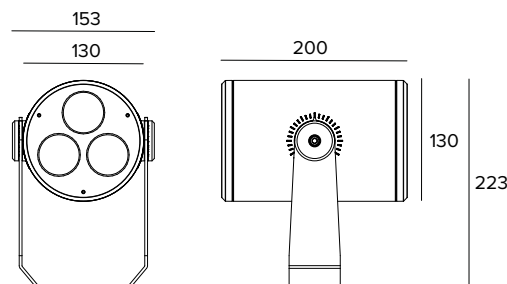


## 1E4042 | DART Round Medium TW

### Professional adjustable LED projector



The fixture's photometric values can be found on the following pages



The figures on the drawing are expressed in mm.

#### SOURCE

Tunable White light module made of high power and high efficiency Ra80 LED sources. Color temperature adjustment range between 2700K and 5000K.

**Energy efficiency class:** F

**Nominal power:** 11,9W

**Nominal flux:** See photometries

**Colour rendering index:** 80

**Rf:** 83

**Rg:** 97

**CCT nominal:** See photometries

**Lifetime (L80/B10):** >50000h tq +25°C

#### ILLUMINOTECHNICAL CHARACTERISTICS

Equipped with precision methacrylate lenses and spreader filter.

**Optic:** LENS

**Beam angles:** MWFL

**Optical efficiency:** 56%

**Fixture flux:** See photometries

**Luminous efficacy:** See photometries

**Photobiological safety:** Compliant with RG1 low risk group

#### MECHANICAL CHARACTERISTICS

Painted die-cast anodised aluminium body and painted stainless steel mounting bracket. Tempered extra clear front glass.

**Colour and finish:** Ferrite

**Weight:** 3.35Kg

**Degree of protection:** IP66

**Mechanical Resistance:** IK10

#### ELECTRICAL CHARACTERISTICS

Remote electronic driver with DALI DT8 interface. The driver is housed inside an IP68 box and allows to control from 1 to 3 fixtures. All versions are pre-wired with a 1.5m long feeding cable H07RN-F (to be connected to the IP68 driver box).

**Fixture Power:** 12W

**Power supply:** 700mA

**Insulation Class:** CLASS 3

**Driver included:** NO

**Ambient temperature:** -25°C / +35°C

#### INSTALLATION

Mounting bracket with aiming adjustability. Adjustable up to  $\pm 45^\circ$  on the horizontal pane and  $+90^\circ/-45^\circ$  on the vertical plane.

#### NOTES

Casambi control system available using a dedicated accessory (only for DALI version products). Uses the "Waterblock Smart" technical solution that involves resin coating the connection cables, limiting the risk of humidity reaching the driver or the fixture. It is possible to subject the product to Cataphoresis treatment on request. 110-277Vac version available on request. 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. Commissioning of the control system via free APP; the intervention of a specialist technician can be quoted on request.

#### WARRANTY

5 years.

#### WARNING

Luminaire designed for disposal/recycling at end-of-life. Replaceable (LED only) light source by a professional.

*Due to the technological evolution of the electronic components, the data provided may be updated, and as such, confirmation must be requested during the order process.*

*Luminous flux and power supply have +/-10% tolerances with respect to the indicated value. tq +25°C (CIE 121).*

*We reserve the right to make technical changes.*

Targetti Sankey S.r.l.  
Via Pratese, 164  
50145 Firenze - Italy  
Tel: +39 055 37911  
targetti.com  
targetti@targetti.com

CCIAA Firenze  
Share Capital:  
€ 500.000,00  
VAT N. (IT):  
01537660480  
R.E.A: FI-275656

**TARGETTI**

## 1E4042 | DART Round Medium TW Professional adjustable LED projector



		5000K	H(m)	D(m)	Emax(lx)	
		Ra80		40°		
Fixture Power	12W	1	0.73	1559		
Source Flux	1608lm	2	1.45	390		
Fixture Flux	903lm	3	2.18	173		
Efficacy	76lm/W	4	2.90	97		
TS1679	I <sub>max</sub> =970cd/klm	I <sub>max</sub>	1559cd	5	3.63	62



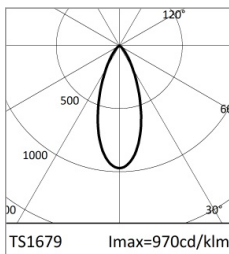
		3850K	H(m)	D(m)	Emax(lx)	
		Ra80		40°		
Fixture Power	12W	1	0.73	1591		
Source Flux	1641lm	2	1.45	398		
Fixture Flux	922lm	3	2.18	177		
Efficacy	77lm/W	4	2.90	99		
TS1679	I <sub>max</sub> =970cd/klm	I <sub>max</sub>	1591cd	5	3.63	64

### CW

CCT nominal	5000K
Nominal flux	1608lm
Fixture flux	903lm
Luminous efficacy	76lm/W

### NW

CCT nominal	3850K
Nominal flux	1641lm
Fixture flux	922lm
Luminous efficacy	77lm/W



		2700K	H(m)	D(m)	Emax(lx)	
		Ra80		40°		
Fixture Power	12W	1	0.73	1341		
Source Flux	1383lm	2	1.45	335		
Fixture Flux	777lm	3	2.18	149		
Efficacy	65lm/W	4	2.90	84		
TS1679	I <sub>max</sub> =970cd/klm	I <sub>max</sub>	1341cd	5	3.63	54

### WW

CCT nominal	2700K
Nominal flux	1383lm
Fixture flux	777lm
Luminous efficacy	65lm/W

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# 1E4042 | DART Round Medium TW

## Professional adjustable LED projector

### Related codes

#### Power Supply

Code
<b>1E4056</b>

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

### Accessories

#### Filter



Colour	Code
	<b>1E4263</b>

Blade of light filter.  
PMMA holographic filter for a blade of light effect.  
Completed with powder coated aluminum alloy holder ring.

#### Screen



Colour	Code
	<b>1E4007</b>

Asymmetric screen.  
Powder coated stainless steel.



Colour	Code
	<b>1E4008</b>

Cylindrical screen.  
Powder coated stainless steel.  
Short version.



Colour	Code
	<b>1E4058</b>

Cylindrical screen.  
Powder coated stainless steel.  
Long version.

### Mounting System



Colour	Code
	<b>1E3026</b>

Plate for fixture rotation.  
Powder coated stainless steel.



Dimensions ØxH mm	Colour	Code
96x182		<b>1E3028</b>

Earthspike.  
Powder coated stainless steel.

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## 1E4042 | DART Round Medium TW

### Professional adjustable LED projector

#### Mounting System



Colour      Code

●      **1E2825**

Pole bracket.  
Anodised and powder coated aluminium.  
Pole Ø 60mm (+/-2mm).



Colour      Code

●      **1E3027**

Pole multiple mounting system.  
Powder coated stainless steel.  
To be completed with 1E2825.  
Max 4 projectors.

#### Connector



Code

**1E2769**

Linear connection box IP66/IP68.  
5 poles max. wire section 1.5mm<sup>2</sup>.  
Cable diameter range from 7 to 12mm.



Code

**1E2494**

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.

#### Control systems



Code

**1E3048**

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



Code

**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

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