

Projectors

VADER



TARGETTI

VADER

Outdoor



Developed in collaboration with the American lighting design firm FMS, VADER provides the versatility of an entire range of professional projectors in a single product, making it possible to vary the beam opening and colour temperature at any time to meet the varying needs of projects of any type and scale.

					 Tunable White 1800K-4000K
INSTALLATION				LIGHT	COLOUR TEMPERATURE
					
CONTROL		POWER SUPPLY		PROTECTION RATING	
			 Easy Custom Colours		
RESISTANCE		FINISH			







All in one

VADER has a compact design and a soft, round shape, but what really makes it stand out is its versatility. A whole range of features enclosed in a single product. A zoom optical system, tunable white light and remote DALI 0/1-10V and DMX control. All in the same product code.



Tunable White
1800K-4000K



Zoom optical system
from SP to MWFL



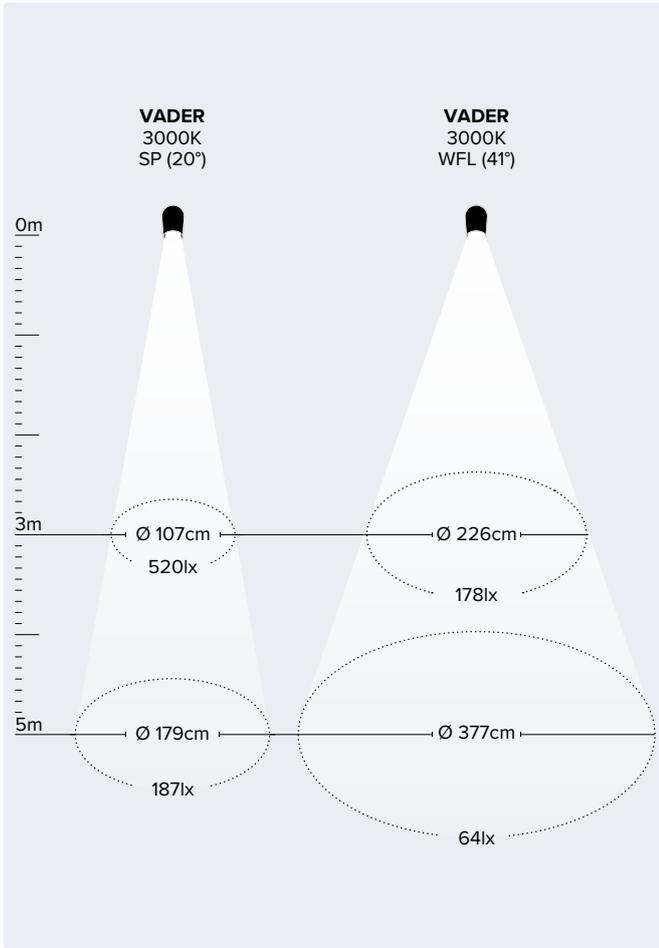
DALI
0/1-10V DMX



Emission can vary from Spot (20°) to Medium Wide Flood (41°) continuously with mechanical locking of the zoom on the chosen distribution. A practical graduated scale facilitates replication across multiple fixtures.

ZOOM optical system

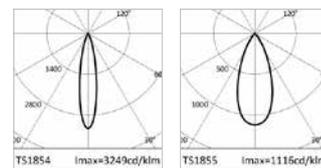
The VADER Zoom optical system was developed for manual adjustment of the light beam.



A practical graduated scale facilitates replication across multiple fixtures.



VADER
 Up to 70lm/W
 From 917lm to 926lm
 1800K - 3000K - 4000K
 Ra90



SP (20°)

MWFL (41°)

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

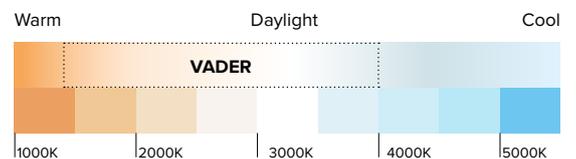




The warmest tone of the light emitted by Vader reaches 1800K. A light with a very warm tone that is capable of providing charm both in a historical artistic environment and in a landscape context. The possibility to vary the colour temperature continuously makes it possible to choose the most suitable tone to enhance the context based on different types of materials. Using the different compatible control systems (DALI, 0/1-10V, DMX-RDM, Casambi) it is also possible to create dynamic light scenes, from a warm light to a cold light.

Tunable White Light

Vader is only available in the Tunable White version which allows the colour temperature to be varied dynamically and continuously from 1800K to 4000K.





A double graduated ring engraved on the body of the fixture makes it possible to rotate the fixture with an accuracy of 15° and 10° for tilt. This facilitates replication with absolute precision in the event of multiple installations.



One particular installation option is provided with the hexagonal-shaped base for surface installation, which can be used to create clusters with geometric shapes for single and multiple configurations.

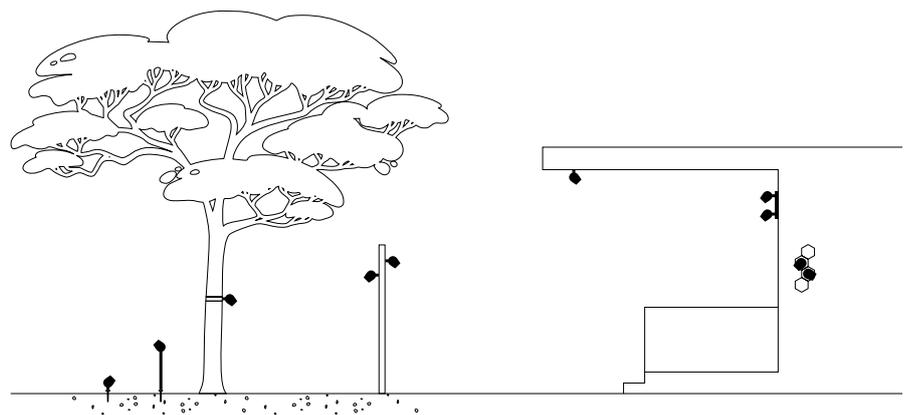


Extensive installation flexibility

VADER is equipped at the base with a standard connection joint which makes it compatible with different installation accessories for surface, pole, cornice and ground applications.



Different types of fixing systems are available for surface, picket, tree or pole installation.





Blade of light filter

Makes it possible to ovalise the beam. To be used with the narrowest emission.



Asymmetrical snoot

A screen for asymmetrical glare control

A wide range of optical accessories

A wide range of optical and installation accessories amplifies the flexibility and versatility of VADER allowing for perfect glare and lighting effect control.



Snoot
A screen for glare control



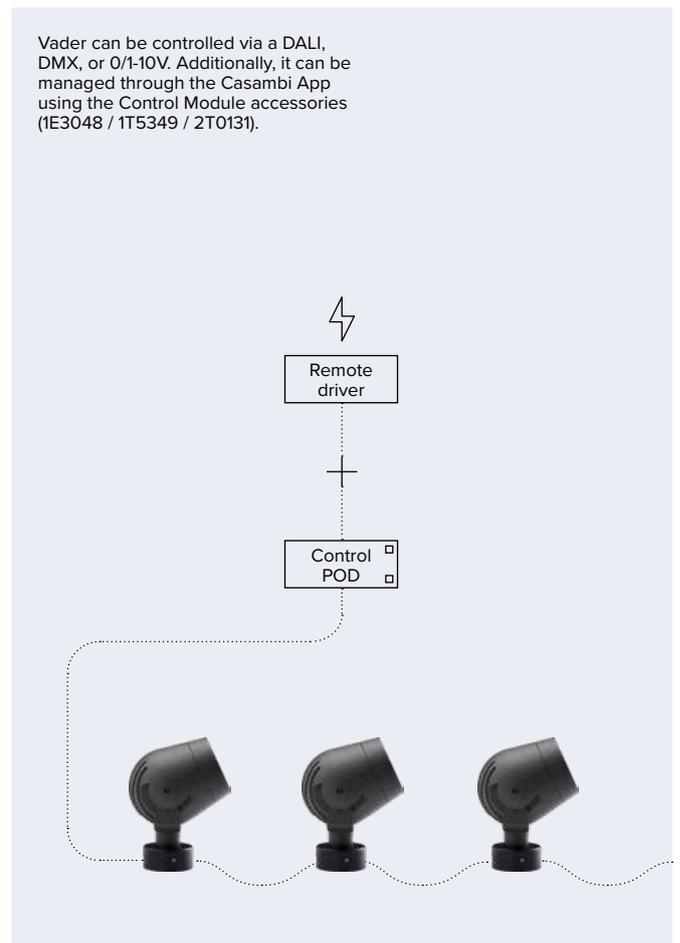
Super snoot
A screen for maximum visual comfort
in all directions.



With a single device (Control Pod), it is possible to dim and manage the colour temperature of the projectors by choosing between the different control systems (DALI, 0/1-10V, DMX), both in a shared manner, for multiple configurations, and individually.

Each Control Pod can manage up to 64 fixtures while the remote driver (120-277V) can power multiple configurations for up to 8 projectors.

Vader can be controlled via a DALI, DMX, or 0/1-10V. Additionally, it can be managed through the Casambi App using the Control Module accessories (1E3048 / 1T5349 / 2T0131).

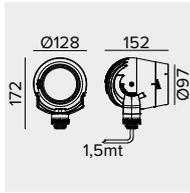


Low voltage power supply

It is possible to power up and control configurations of multiple fixtures. The projectors are Low Voltage and must be completed with a remote driver and the Control Pod.

VADER

48Vdc | Ra90 | Fixture flux 3000K from 917lm to 926lm



Product	Optic	Ra+K	Colour
E012	ZM SP-MWFL 20°/41° - 15W	TUW Tunable White	FE

Note Related codes and accessory codes on page 15.

Related codes and accessories

VADER

Related codes

Power Supply

	Dimensions LxHxP mm	Power	IP	Code
	225x36x60	60W	IP20	1T6917EL
	240x49x60	130W	IP20	1T6916EL

48Vdc electronic driver.
1T6917EL - Single power supply for Electronic, DALI and Casambi systems. Maximum distance 20m - cable 1.5mm².
1T6916EL - Single power supply for Electronic, DALI and Casambi systems. Maximum distance 10m - cable 1.5mm².

	Dimensions LxHxP mm	Power	IP	Code
	225x51x65	70W	IP67	1E2320
	225x51x65	150W	IP67	1E2321

48Vdc electronic driver.
 Cable length 0.5m (IN and OUT).

Control systems

	Code
	A035

Control POD.
 Multi-protocol command and control system for VADER projectors. The Control POD was developed to make controlling a VADER projector system quick and easy. The DALI, DMX and ANALOGICO 0-10V / 1-10V compatible protocols make it possible to integrate VADER projectors into a wide range of applications.
 48V power supply.
 Via DALI protocol, Control POD allows to control VADER projectors with the Casambi system using the accessory codes 1E3048 and 1E4369.

Accessory codes

Bracket

	Colour	Code
		A044FE

Bracket for surface installation.
 Powder coated stainless steel.

Mounting System

	Colour	Code		Colour	Code
		A040FE			A041FE

Round base for surface installation of fixture.
 Powder coated aluminium (with a stainless steel fixing bracket).

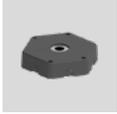
Round base plate.
 Powder coated stainless steel.
 To be completed with A040FE.

Related codes and accessories

VADER

Accessory codes

Mounting System

	H mm	Colour	Code		H mm	Colour	Code
	244	●	A047FE		208	●	A050FE
	844	●	A048FE		808	●	A051FE
Spike with base for surface installation.				Earthspike.			
		Colour	Code			Colour	Code
		●	A042FE			●	A043FE
	Hexagonal base with a hole for projector surface installation. Powder coated die-cast aluminium covering. Stainless steel fixing base.				Blind hexagonal base. Powder coated die-cast aluminium covering. Stainless steel fixing base.		
		Colour	Code			Colour	Code
		●	A052FE			●	A053FE
	Pole attachment for a single projector. Anodised and powder coated aluminium. Pole Ø 60mm.				Pole attachment for two projectors. Anodised and powder coated aluminium. Pole Ø 60mm (+/-2mm).		
		Ø mm	H mm	Colour	Code		
		50	232	●	1E3785		
	Earthspike. Powder coated stainless steel.						

Bracket

	Colour	Code
	●	A049FE
Bracket for installation on trees. To be completed with accessory strap A023. Powder coated stainless steel.		

Mounting System

	L mm	Code		Colour	Code
	2000	A023		●	A045FE
	Strap for tree bracket (tree installation).				Multiple base for surface installation of 2 projectors. Powder coated stainless steel.
		Colour	Code		
		●	A046FE		
	Multiple base for surface installation of 3 projectors. Powder coated stainless steel.				

Screen

	Colour	Code		Colour	Code
	●	A036FE		●	A037FE
	Cylindrical screen. Powder coated aluminium. Short version.				Asymmetric screen. Powder coated aluminium.

Related codes and accessories

VADER

Accessory codes

Screen

	Colour	Code
		A038FE
<p>Cylindrical screen. Powder coated aluminium. Long version with prismatic glass.</p>		

Filter

	Colour	Code
		A039FE
<p>Blade of light filter. Refractive glass filter with blade of light effect. Completed with powder coated aluminum alloy holder ring.</p>		

Connector

	Code
	1E2494
<p>Multiple connection box IP68. 1 IN - 3 OUT 4 poles max. wire section 2.5mm². Cable diameter range from 6 to 12mm.</p>	

	Code
	1E2493
<p>Linear connection box IP68. 4 poles max. wire section 2.5mm². Cable diameter range from 7 to 12mm.</p>	

Tool

	Code
	1E3305
<p>Tightening wrench for the connector kit.</p>	



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".

