PROJECTORS

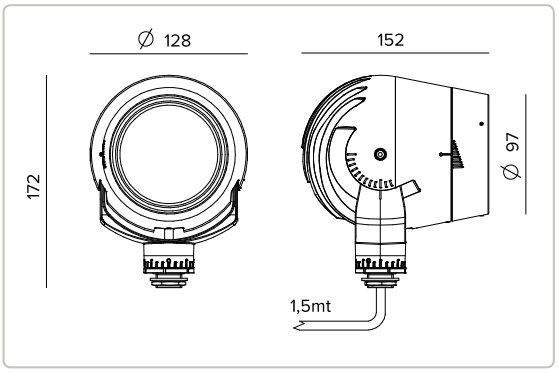
Vader One



Code
E012ZMTUWFE

LIGHT COLOUR	LIGHT DISTRIBUTION	OUTPUT
1800-4000K 90	Zoom 20°-41°	14.8-15.4W 681-1074lm

POWER SUPPLY CONTROL	COLOUR
48Vdc	



The figures on the drawing are expressed in mm.

2.15 IP66 IK09 CE

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

Technical Data

Concept

Adjustable outdoor professional projector equipped with a zoom optic. Tunable White and multiple dimmer protocols provide extreme flexibility in terms of optical accessories and installation possibilities.

Source

High efficiency Chip on Board LED Ra90, Tunable White1800K-4000K.	
Energy efficiency class	G
Nominal power	13W (3000K)
Nominal flux	See photometries
Colour rendering index	90
Rf	96
Rg	99
CCT nominal	See photometries
Lifetime (L80/B10)	86000h tq +25°C
Lifetime (L90/B10)	75000h tq +25°C

TARGETTI

CCIAA Firenze
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Technical Data

Illuminotechnical characteristics

Zoom optic composed of three PMMA elements operating together, a fixed TIR lens and a second adjustable lens. Rotation of 22° using the front sealing ring of the second lens allows for the zoom range between the minimum and maximum beam opening respectively of 20° and 41°. Graduated adjustment scale with 2 steps. Optic group pre-set for the installation of one or more dedicated optical accessories to be ordered separately.

Optic	Zoom
Beam angles	SP-MWFL
Optical efficiency	See photometries
Fixture flux	See photometries
Luminous efficacy	See photometries
Photobiological safety	Compliant with RG1 low risk group

Mechanical characteristics

Die-cast aluminium body with 3 layers of protection: anodising, cataphoresis and ferrite colour paint. The optical unit can be adjusted from -20° a +90° on the vertical plane and 355° on the horizontal plane with the possibility to block the beam. Extra-clear tempered front glass glued flush.

Colour and finish	Ferrite
Dimensions	ØxH 97x152mm
Weight	2.15Kg
Degree of protection	IP66
Mechanical Resistance	IK09

Electrical characteristics

48V DC remote driver and control via the "Control Pod" smart dimming interface. The Control POD makes it possible to control products using DALI, 0-10V, 1-10V and DMX protocols.

Fixture Power	See photometries
Power supply	48Vdc
Insulation Class	CLASS 3
Driver included	NO
Ambient temperature	-25°C / +50°C

Installation

The product can be installed combined with one of the various installation accessories, to be ordered separately. Surface installation on bases, stakes, bollards, trees and poles.

Regulations and Certifications

CE

Warranty

5 years.

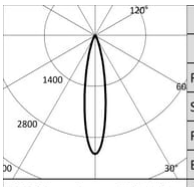
Warning

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

Photometries

SP / 18K

CCT nominal	1800K
Fixture Power	15.4W
Nominal flux	1069lm
Fixture flux	687lm
Luminous efficacy	45lm/W
Optical efficiency	64.31%

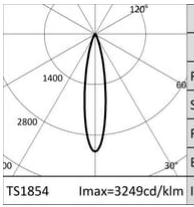


1800K		H(m)	D(m)	Emax(lx)
Ra90			20°	
Fixture Power	15W	1	0.36	3473
Source Flux	1069lm	2	0.72	868
Fixture Flux	687lm	3	1.07	386
Efficacy	45lm/W	4	1.43	217
Imax	3473cd	5	1.79	139

TS1854 Imax=3249cd/klm

SP / 30K

CCT nominal	3000K
Fixture Power	14.8W
Nominal flux	1440lm
Fixture flux	926lm
Luminous efficacy	63lm/W
Optical efficiency	64.31%

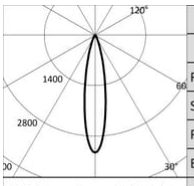


3000K		H(m)	D(m)	Emax(lx)
Ra90			20°	
Fixture Power	15W	1	0.36	4678
Source Flux	1440lm	2	0.72	1170
Fixture Flux	926lm	3	1.07	520
Efficacy	63lm/W	4	1.43	292
Imax	4678cd	5	1.79	187

TS1854 Imax=3249cd/klm

SP / 40K

CCT nominal	4000K
Fixture Power	15.4W
Nominal flux	1670lm
Fixture flux	1074lm
Luminous efficacy	70lm/W
Optical efficiency	64.31%

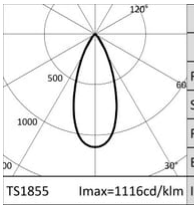


4000K		H(m)	D(m)	Emax(lx)
Ra90			20°	
Fixture Power	15W	1	0.36	5425
Source Flux	1670lm	2	0.72	1356
Fixture Flux	1074lm	3	1.07	603
Efficacy	70lm/W	4	1.43	339
Imax	5425cd	5	1.79	217

TS1854 Imax=3249cd/klm

WFL / 18K

CCT nominal	1800K
Fixture Power	15.4W
Nominal flux	1069lm
Fixture flux	681lm
Luminous efficacy	44lm/W
Optical efficiency	63.7%

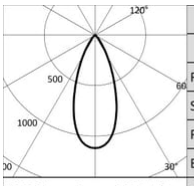


1800K		H(m)	D(m)	Emax(lx)
Ra90			41°	
Fixture Power	15W	1	0.75	1193
Source Flux	1069lm	2	1.51	298
Fixture Flux	681lm	3	2.26	133
Efficacy	44lm/W	4	3.02	75
Imax	1193cd	5	3.77	48

TS1855 Imax=1116cd/klm

WFL / 30K

CCT nominal	3000K
Fixture Power	14.8W
Nominal flux	1440lm
Fixture flux	917lm
Luminous efficacy	62lm/W
Optical efficiency	63.7%

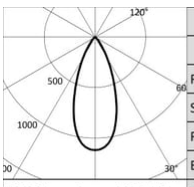


3000K		H(m)	D(m)	Emax(lx)
Ra90			41°	
Fixture Power	15W	1	0.75	1606
Source Flux	1440lm	2	1.51	402
Fixture Flux	917lm	3	2.26	178
Efficacy	62lm/W	4	3.02	100
Imax	1606cd	5	3.77	64

TS1855 Imax=1116cd/klm

WFL / 40K

CCT nominal	4000K
Fixture Power	15.4W
Nominal flux	1670lm
Fixture flux	1064lm
Luminous efficacy	69lm/W
Optical efficiency	63.7%



4000K		H(m)	D(m)	Emax(lx)
Ra90			41°	
Fixture Power	15W	1	0.75	1863
Source Flux	1670lm	2	1.51	466
Fixture Flux	1064lm	3	2.26	207
Efficacy	69lm/W	4	3.02	116
Imax	1863cd	5	3.77	75

TS1855 Imax=1116cd/klm

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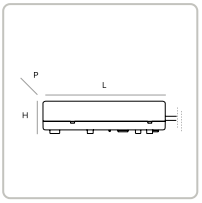
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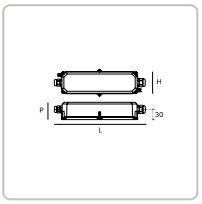
Related codes

Power Supply



CODE	IP	OUTPUT VOLTAGE	POWER SUPPLY	POWER	LXHXP
1T6917EL	IP20	48Vdc	220-240Vac	60W	225x36x60mm
1T6916EL	IP20	48Vdc	220-240Vac	130W	240x49x60mm

Electronic ON-OFF power supply.



CODE	IP	OUTPUT VOLTAGE	POWER SUPPLY	POWER	LXHXP
1E2320	IP67	48Vdc	220-240Vac	70W	225x51x65mm
1E2321	IP67	48Vdc	220-240Vac	150W	225x51x65mm

Electronic ON-OFF power supply.
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.

Accessories

Bracket



CODE	COLOUR
A044FE	

Bracket for surface installation.
Powder coated stainless steel.

Mounting System



CODE	COLOUR
A040FE	

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

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CODE	COLOUR
A041FE	

Round base plate.
Powder coated stainless steel.

A041FE - To be completed with A040FE.



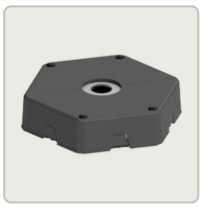
CODE	COLOUR	H
A047FE		244mm
A048FE		844mm

Spike with base for surface installation.



CODE	COLOUR	H
A050FE		208mm
A051FE		808mm

Earthspike.



CODE	COLOUR
A042FE	

Hexagonal base with a hole for projector surface installation.
Powder coated die-cast aluminium covering.
Stainless steel fixing base.



CODE	COLOUR
A043FE	

Blind hexagonal base.
Powder coated die-cast aluminium covering.
Stainless steel fixing base.



CODE	COLOUR
A052FE	

Pole attachment for a single projector.
Anodised and powder coated aluminium.
Pole Ø 60mm.



CODE	COLOUR
A053FE	

Pole attachment for two projectors.
Anodised and powder coated aluminium.
Pole Ø 60mm (+/-2mm).

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CODE	COLOUR	H	Ø
1E3785		232mm	50mm

Earthspike.
Powder coated stainless steel.

Bracket



CODE	COLOUR
A049FE	

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

Mounting System



CODE	L
A023	2000mm

Strap for tree bracket (tree installation).



CODE	COLOUR
A045FE	

Multiple base for surface installation of 2 projectors.
Powder coated stainless steel.



CODE	COLOUR
A046FE	

Multiple base for surface installation of 3 projectors.
Powder coated stainless steel.

Screen



CODE	COLOUR
A036FE	

Cylindrical screen.
Powder coated aluminium.
Short version.



CODE	COLOUR
A037FE	

Asymmetric screen.
Powder coated aluminium.

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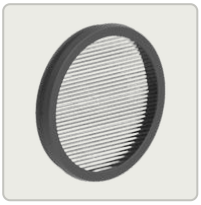
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CODE	COLOUR
A038FE	

Cylindrical screen.
Powder coated aluminium.
Long version with prismatic glass.

Filter



CODE	COLOUR
A039FE	

Blade of light filter.
Refractive glass filter with blade of light effect.
Completed with powder coated aluminum alloy holder ring.

Connector



CODE

1E2494

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



CODE

1E2493

Linear connection box IP68.
4 poles max. wire section 2.5mm².
Cable diameter range from 7 to 12mm.

Tool



CODE

1E3305

Tightening wrench for the connector kit.

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