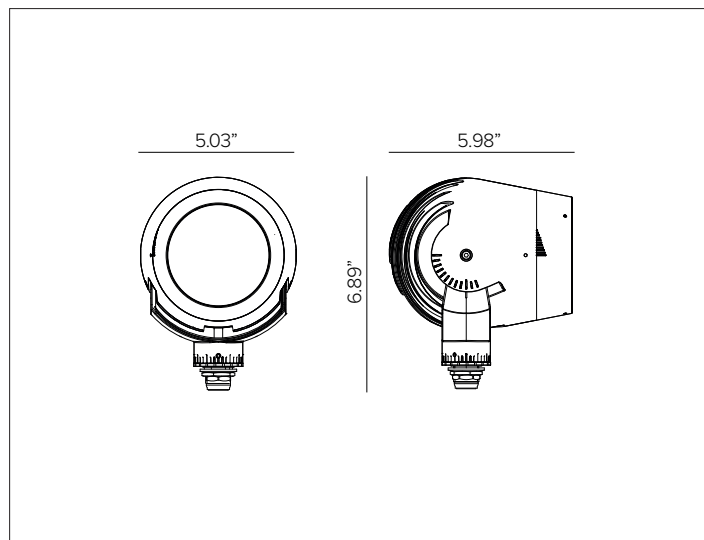


VADER SOLO

All-in-One Extremely Adjustable Flood Light Projector



Shown in Ferrite Dark Grey finish.



CONCEPT

VADER SOLO is a fully integrated, adjustable floodlight projector engineered to deliver exceptional flexibility in both optical performance and mounting configurations.

MECHANICAL CHARACTERISTICS

Housing	5.03"W x 5.98"D x 6.89"H
Materials	Painted Anodized Die-Cast Aluminum body and mounting bracket. Extra-clear sealed tempered glass.
Finish	Textured finish. <div> <div>● Ferrite Dark Grey</div> <div>● Heritage Brown</div> <div>● Bronze</div> <div>● Black</div> <div>● White</div> <div>● Sandstone Grey</div> </div>
Power Connection	Pre-cabled with IP68 Connectors for plug-and-play connection to remote power supply and in series other light modules.
Functionality	Each module has a mechanical locking to provide specific aiming. Fixtures are adjustable up from -20° to +90° on the vertical surface with aim lock set screw with and a free rotation of 355° with degree indicators every 15°. Different Optical accessories specifically designed to control the beam and manage effects.
Mounting	Fixture can be installed directly to mounting surface or used with optional mounting installation accessories.
Weight	7.7 lbs
EPA	0.32 Includes Cd drag coefficient of 1.53. Does <u>NOT</u> include any optical accessories.
Protection	IP66 / IP68 ^B
Impact	IK09

CERTIFICATIONS

cULus Class 2 SELV Wet Location Listed.
 Tested in accordance with LM-79-08.
 Compliant for California installations.
 RoHS3 EU 215/863

WARRANTY

5 year limited warranty.

^A Fixture body complete with marine grade cataphoresis suitable for use in marine grade environments. Stainless steel trim will need to be maintained and cleaned regularly to avoid mineral deposits. Not to be in direct contact with salt or corrosive agents for extended periods of time.

^B Temporary immersion up to 24 hours at a max depth of 2 meters. Installation of fixture requires proper drainage to prevent any standing water. Should not be used for permanent submersion.

SUSTAINABILITY

Luminaire designed for disposal/recycling at end-of-life. Replaceable LED light source and control gear by a Targetti technician.

ELECTRICAL CHARACTERISTICS

Power Supply	Remote Class 2 120V-277V AC power supply required.
Wattage	Constant Current: 15W / 26W / 35W
Voltage	36V DC Constant Current
Control	Constant Current: 0-10V / Dali / DMX 0% Dim
Ambient Temperature	-35°C / +50°C (122°F)

SOURCE

High-Efficiency LED COB.

TM30	CCT (Nominal)	CRI
	2200K	90
	2400K	90
	2700K	80
	3000K	80
	3500K	80
	4000K	80

Ra90 available upon request.

OPTIC

The ZOOM optic is adjustable by hand without opening the product from SP to MWFL with degree indicators every 2°.

Beam	ZOOM 24°	ZOOM 41°
Delivered Lumens		
2200K	2,550Lm	2,464Lm
2700K	3,363Lm	3,250Lm
3000K	3,551Lm	3,432Lm
4000K	3,696Lm	3,572Lm
Efficacy	107Lm/W max. Refer to photometric graphs for specific values.	
Lifetime	L89/B10 30,000hrs / L85/B10 50,000hrs / L78/B10 80,000hrs / L74/B10 100,000hrs at max TA +25°C	
Photobiological Classification	Low risk safety RG1	

VADER SOLO

SPECIFICATION INFORMATION

SOL									
1	2	3	4	5	6	7	8	9	10
Ex: SOLCVFEL3ZM30 / PS083						OPTIONAL	REQUIRED	OPTIONAL	

1 - PRODUCT CODE	2 - DRIVER	3 - FINISH	4 - WATTAGE	5 - OPTIC	6 - KELVIN	7 - POLE MOUNT
SOL — VADER SOLO	CC ^c — Constant Current 36V	FE — Ferrite Dark Grey HB — Heritage Brown BZ — Bronze WT — White BT — Black SG — Sandstone Grey RAL — Custom RAL	L1 — 15W L2 — 26W L3 — 35W	ZM — Zoom	22 — 2200K 24 — 2400K 27 — 2700K 30 — 3000K 35 — 3500K 40 — 4000K	PM ^d — Pole Mount 25ft Cable
8 - POWER SUPPLY	9 - OPTICAL ACCESSORIES	10 - INSTALLATION ACCESSORIES				
Power Supply See section for details	Blade of Light Linear Spread Lens See section for details Asymmetric Snoot See section for details Super Snoot See section for details Asymmetric Snoot See section for details	Surface Hexagonal Base See section for details Blank Hexagonal Base See section for details Surface Base See section for details Surface Plate See section for details Surface Bracket See section for details Surface Canopy See section for details Double Surface Base See section for details Triple Surface Base See section for details Arm Mount See section for details				
		Ground Post See section for details Earth Spike See section for details Pole Bracket See section for details Tree Strap See section for details Tree Bracket See section for details Tree Strap Connection Box See section for details Mesh Wire Protection See section for details				

^c Constant Current control to be used with event pole configurations.
^d Pole mount 25ft cable required with Targetti [Event Pole](#) configurations.

KEY FEATURES

ZOOM

22° to 41° with degree indicators every 2° and a fix locking screw.



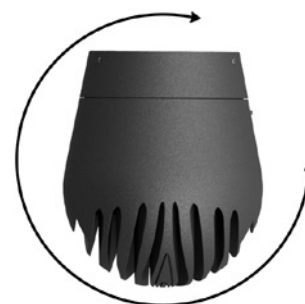
TILT

Tilt Rotation on the vertical axis from -20° to +90° with aim lock set screw.



ROTATION

The luminaire can be easily rotated 355° in the horizontal plane with degree indicators every 15°.



VADER SOLO

8 - POWER SUPPLY (REQUIRED)

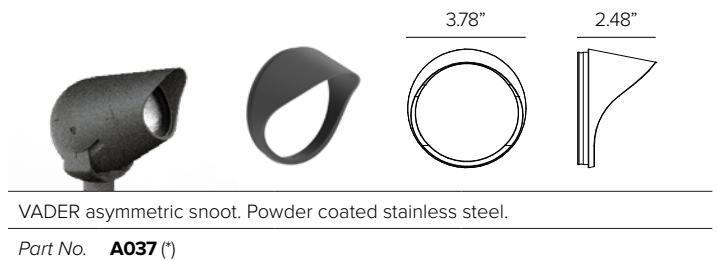
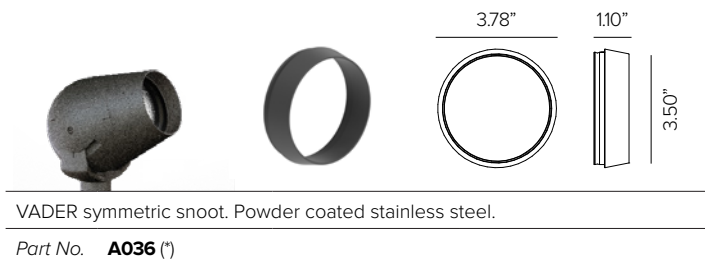
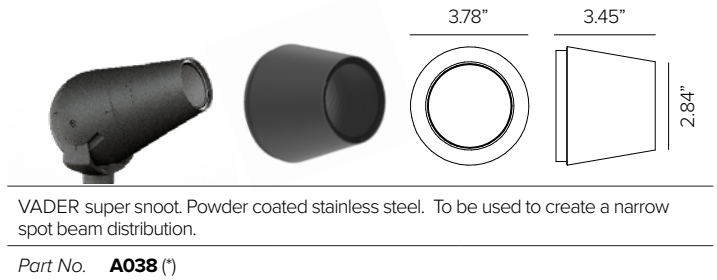
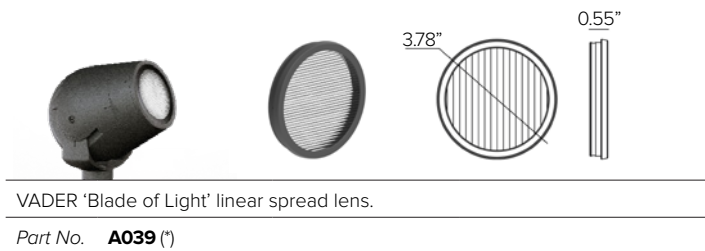
CONSTANT CURRENT WITH ENCLOSURE ONLY

Part No.	Wattage	Control	Dim Range	Rating	In / Out Voltage	Certification	Dimensions	Description
PS080	16W (ONE 16W Fixture)	0-10V	0%	NEMA3R	120-277V 450mA / 36V	UL Class 2 Type TL	6.25" x 4.00" x 2.38"	EldoLED SOLOdrive with enclosure box, black finish.
PS081	16W (ONE 16W Fixture)	DALI 2	0%	NEMA3R	120-277V 450mA / 36V	UL Class 2 Type TL	6.25" x 4.00" x 2.38"	EldoLED SOLOdrive with enclosure box, black finish.
PS082	16W (ONE 16W Fixture)	DMX	0%	NEMA3R	120-277V 450mA / 36V	UL Class 2 Type TL	6.25" x 4.00" x 2.38"	EldoLED SOLOdrive with enclosure box, black finish.
PS083	25W (ONE 25W Fixture)	0-10V	0%	NEMA3R	120-277V 700mA / 36V	UL Class 2 Type TL	6.25" x 4.00" x 2.38"	EldoLED SOLOdrive with enclosure box, black finish.
PS084	25W (ONE 25W Fixture)	DALI 2	0%	NEMA3R	120-277V 700mA / 36V	UL Class 2 Type TL	6.25" x 4.00" x 2.38"	EldoLED SOLOdrive with enclosure box, black finish.
PS085	25W (ONE 25W Fixture)	DMX	0%	NEMA3R	120-277V 700mA / 36V	UL Class 2 Type TL	6.25" x 4.00" x 2.38"	EldoLED SOLOdrive with enclosure box, black finish.
PS086	36W (ONE 36W Fixture)	0-10V	0%	NEMA3R	120-277V 1025mA / 36V	UL Class 2 Type TL	6.25" x 4.00" x 2.38"	EldoLED SOLOdrive with enclosure box, black finish.
PS087	36W (ONE 36W Fixture)	0-10V	0%	NEMA3R	120-277V 1025mA / 36V	UL Class 2 Type TL	6.25" x 4.00" x 2.38"	EldoLED SOLOdrive with enclosure box, black finish.
PS088	36W (ONE 36W Fixture)	0-10V	0%	NEMA3R	120-277V 1025mA / 36V	UL Class 2 Type TL	6.25" x 4.00" x 2.38"	EldoLED SOLOdrive with enclosure box, black finish.

VADER SOLO

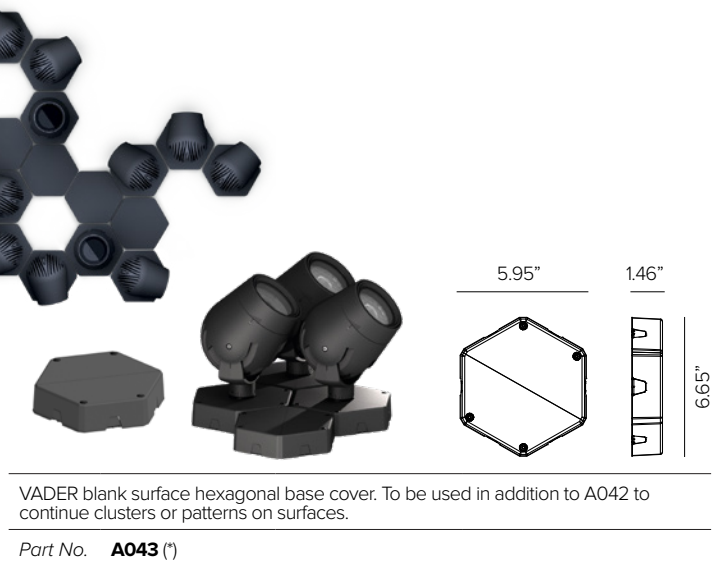
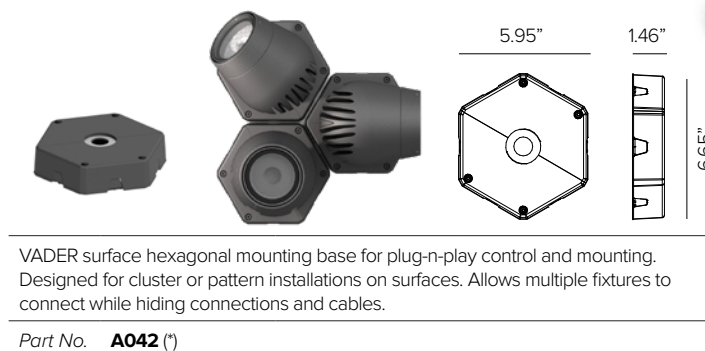
9 – OPTICAL ACCESSORIES (OPTIONAL)

MAXIMUM OF ONE ACCESSORY PER FIXTURE.



10 – INSTALLATION ACCESSORIES (OPTIONAL)

MAXIMUM OF ONE INSTALLATION PER FIXTURE



Ferrite Dark Grey (FE)*
 Heritage Brown (HB)*
 Bronze (BZ)*
 White (WT)*
 Black (BT)*
 Sandstone Grey (SG)*

*Add suffix to end of number to identify finish (EX. A042HB)

VADER SOLO

10 – INSTALLATION ACCESSORIES (OPTIONAL)

MAXIMUM OF ONE INSTALLATION PER FIXTURE



Surface mounting bracket. Powder coated stainless steel.

Part No. **A044 (*)**



Low profile surface canopy. Powder coated aluminum with 1/2" NPT to mount over standard 4" Dia. round outdoor j-box.

Part No. **1BLTSMCVR (*)**



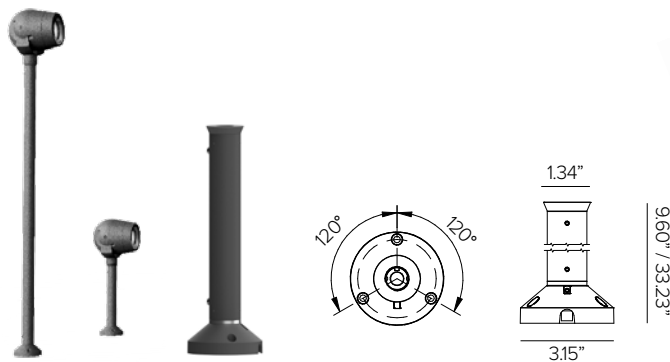
Surface mount base, powder coated stainless steel. For surface wiring applications.

Part No. **A040 (*)**



Ground spike for landscape installation. Powder coated stainless steel.

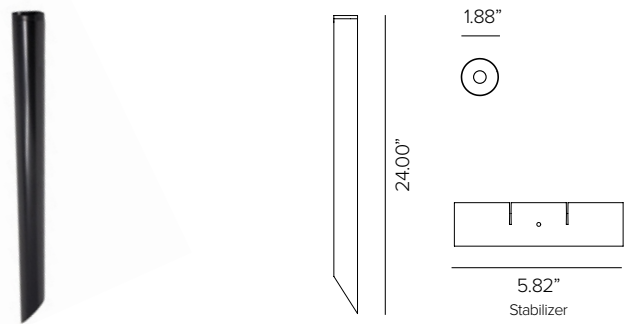
Part No. **1E3785 (*)**



Surface floor post. Powder coated stainless steel post.

Length 9"L 33"L

Part No. **A047 (*)** **A048 (*)**



Permapost. Aluminum with 1/2" NPT and 1ea stabilizer.

Finish ● Deep Black

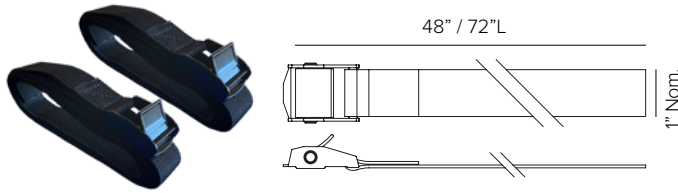
Part No. **PRMP24BK**

● Ferrite Dark Grey (FE)* ● Heritage Brown (HB)* ● Bronze (BZ)* ● White (WT)* ● Black (BT)* ● Sandstone Grey (SG)*

*Add suffix to end of number to identify finish (EX. A045HB)

VADER SOLO

10 – TREE MOUNTING INSTALLATION (OPTIONAL)



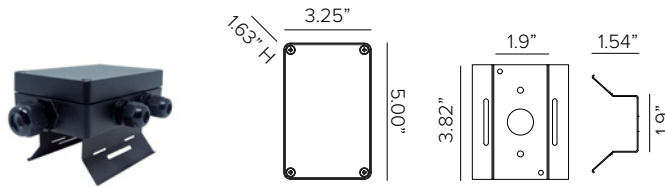
Tree strap. Durable marine grade polypropylene webbing flexible strap with stainless steel cam buckle. **Maximum of 4 fixture brackets per double strap.**
(REQUIRED FOR TREE MOUNTING)

Finish	Black	Coyote Brown	Silver Grey	Graphite Grey
Length	48"			
Part No.	TTS01D48BK	TTS01D48BR	TTS01D48SG	TTS01D48GG
Length	72"			
Part No.	TTS01D72BK	TTS01D72BR	TTS01D72SG	TTS01D72GG



Fixture bracket comprised of powder coated stainless steel for use with tree strap. **Maximum of 4 fixture brackets per double strap.**
(REQUIRED FOR TREE MOUNTING)

Finish	Black	Bronze	Sandstone Grey	Ferrite Dark Grey
Part No.	TTB01DBK	TTB01DBZ	TTB01DSG	TTB01DFG



Connection box. Painted aluminum UL listed j-box with single input and 4ea max outputs for lateral cable exit. Provided with 1ea 1/2" cable gland and 4ea 3/8" cable gland, 3ea plugs provided along with mounting bracket, **tree strap sold separately**. Used to connect single 24V DC low voltage cable from remote driver to connection box. For single strap configuration, use 1ea connection box. For double strap configuration, use 2ea connection boxes. (OPTIONAL)

Finish	Black	Bronze	Sandstone Grey	Ferrite Dark Grey
Part No.	TTC02SBK	TTC02SBZ	TTC02SSG	TTC02SFG

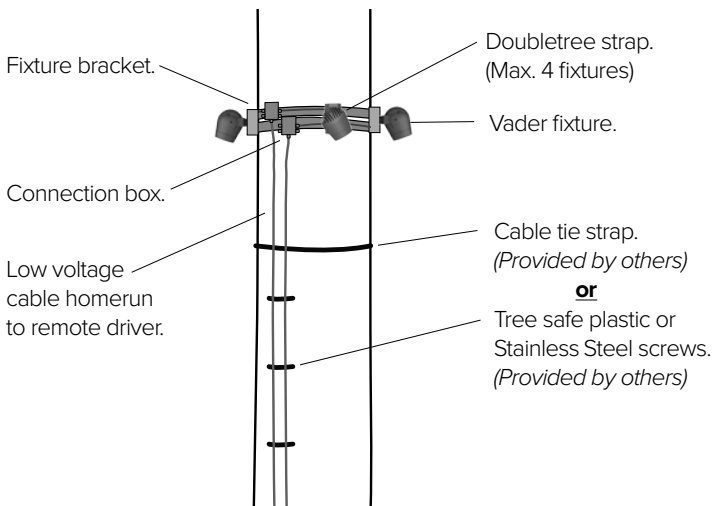


Mesh wire protection cable sleeve, available per foot. Comprised of braided polyethylene terephthalate (PET) mono-filament webbing resistant to chemical degradation, UV radiation, and abrasion. **To be used in installations where multiple cables can be combined into a 'single' cable look and/or to conceal the cable to match the finish of the surface.** (OPTIONAL)

Finish	Black	Coyote Brown	Silver Grey	Graphite Grey
Part No.	TTMW01BK	TTMW01BR	TTMW01SG	TTMW01GG

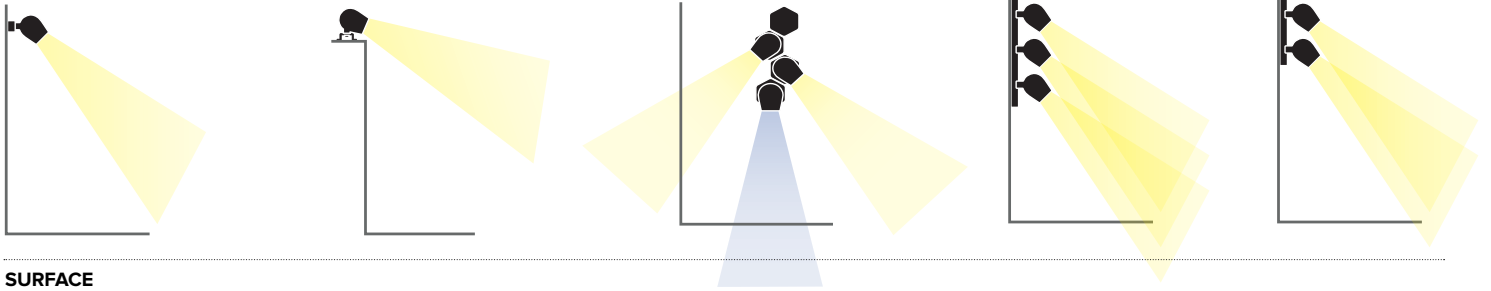
TREE WIRING CONFIGURATION

Note: Suggested to adjust the strap every 6 months in order to prevent tree damage.

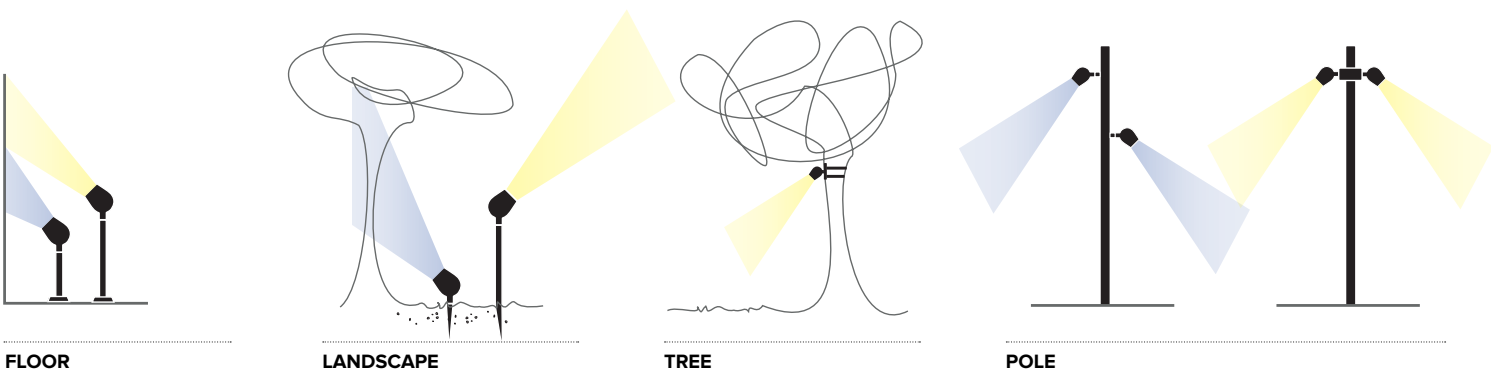


VADER SOLO

INSTALLATION EXAMPLES



SURFACE



FLOOR

LANDSCAPE

TREE

POLE

VADER SOLO

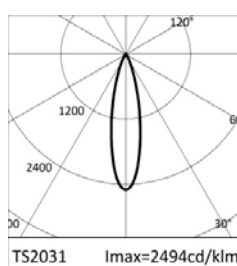
PHOTOMETRY

IES FILES WATTAGE AND EFFICIENCY CALCULATIONS BASED WITH SUPPLIED DRIVER

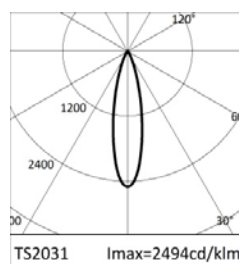
ZOOM 24°



2200K	H(m)	D(m)	Emax(lx)
Ra90		24°	
Fixture Power	35W	1	0.43
Source Flux	4014lm	2	0.87
Fixture Flux	2550lm	3	1.30
Efficacy	72lm/W	4	1.73
TS2031	Imax=2494cd/klm	Imax	10011cd
		5	2.16



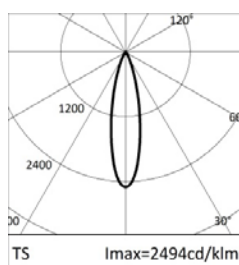
2700K	H(m)	D(m)	Emax(lx)
Ra80		24°	
Fixture Power	35W	1	0.43
Source Flux	5295lm	2	0.87
Fixture Flux	3363lm	3	1.30
Efficacy	95lm/W	4	1.73
TS2031	Imax=2494cd/klm	Imax	13206cd
		5	2.16



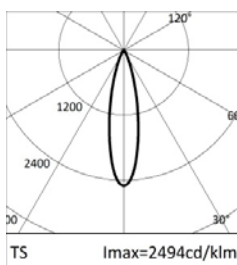
3000K	H(m)	D(m)	Emax(lx)
Ra80		24°	
Fixture Power	35W	1	0.43
Source Flux	5591lm	2	0.87
Fixture Flux	3551lm	3	1.30
Efficacy	100lm/W	4	1.73
TS2031	Imax=2494cd/klm	Imax	13945cd
		5	2.16



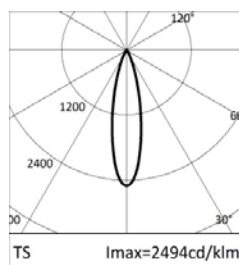
4000K	H(m)	D(m)	Emax(lx)
Ra80		24°	
Fixture Power	35W	1	0.43
Source Flux	5819lm	2	0.87
Fixture Flux	3696lm	3	1.30
Efficacy	104lm/W	4	1.73
TS2031	Imax=2494cd/klm	Imax	14513cd
		5	2.16



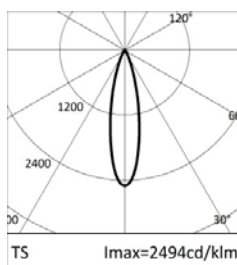
2200K	H(m)	D(m)	Emax(lx)
Ra90		24°	
Fixture Power	26W	1	0.43
Source Flux	2909lm	2	0.87
Fixture Flux	1848lm	3	1.30
Efficacy	71lm/W	4	1.73
TS	Imax=2494cd/klm	Imax	7255cd
		5	2.16



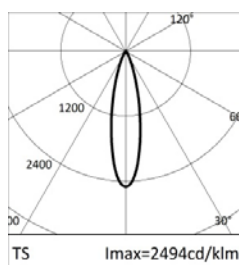
2700K	H(m)	D(m)	Emax(lx)
Ra80		24°	
Fixture Power	26W	1	0.43
Source Flux	3837lm	2	0.87
Fixture Flux	2437lm	3	1.30
Efficacy	94lm/W	4	1.73
TS	Imax=2494cd/klm	Imax	9570cd
		5	2.16



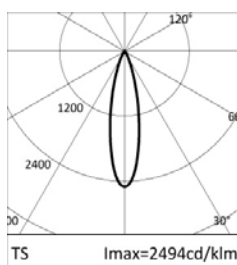
3000K	H(m)	D(m)	Emax(lx)
Ra80		24°	
Fixture Power	26W	1	0.43
Source Flux	4051lm	2	0.87
Fixture Flux	2573lm	3	1.30
Efficacy	99lm/W	4	1.73
TS	Imax=2494cd/klm	Imax	10104cd
		5	2.16



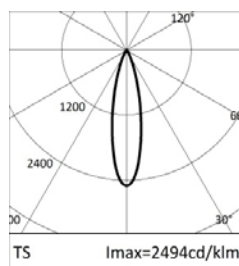
4000K	H(m)	D(m)	Emax(lx)
Ra80		24°	
Fixture Power	26W	1	0.43
Source Flux	4217lm	2	0.87
Fixture Flux	2679lm	3	1.30
Efficacy	103lm/W	4	1.73
TS	Imax=2494cd/klm	Imax	10518cd
		5	2.16



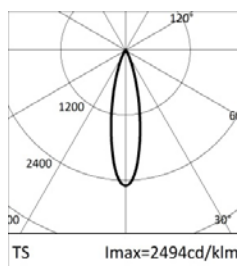
2200K	H(m)	D(m)	Emax(lx)
Ra90		24°	
Fixture Power	15W	1	0.43
Source Flux	1920lm	2	0.87
Fixture Flux	1220lm	3	1.30
Efficacy	84lm/W	4	1.73
TS	Imax=2494cd/klm	Imax	4789cd
		5	2.16



2700K	H(m)	D(m)	Emax(lx)
Ra80		24°	
Fixture Power	15W	1	0.43
Source Flux	2249lm	2	0.87
Fixture Flux	1429lm	3	1.30
Efficacy	98lm/W	4	1.73
TS	Imax=2494cd/klm	Imax	5609cd
		5	2.16



3000K	H(m)	D(m)	Emax(lx)
Ra80		24°	
Fixture Power	15W	1	0.43
Source Flux	2334lm	2	0.87
Fixture Flux	1483lm	3	1.30
Efficacy	102lm/W	4	1.73
TS	Imax=2494cd/klm	Imax	5821cd
		5	2.16



4000K	H(m)	D(m)	Emax(lx)
Ra80		24°	
Fixture Power	15W	1	0.43
Source Flux	2448lm	2	0.87
Fixture Flux	1555lm	3	1.30
Efficacy	107lm/W	4	1.73
TS	Imax=2494cd/klm	Imax	6106cd
		5	2.16

VADER SOLO

PHOTOMETRY

IES FILES WATTAGE AND EFFICIENCY CALCULATIONS BASED WITH SUPPLIED DRIVER

ZOOM 41°

