



Photometric Data

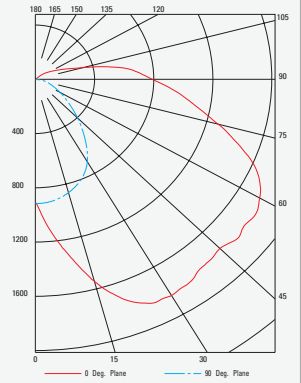
LTL#: 19192

CAT#: VAS D23 454 UV IPS E

Zonal Lumen Summary

ZONE	LUMENS	%LAMP	%FIXT
0-30	2512	14.3	18.6
0-40	4253	24.2	31.4
0-60	8160	46.4	60.3
0-90	12510	71.1	92.4
90-180	1030	5.9	7.6
0-180	13540	76.9	100.0

Total Luminaire Efficiency: 76.9%
 CIE Type: Semi-Direct
 Plane: 0-Deg 90-Deg
 Spacing Criteria: 2.51 1.20



VAS SERIES

High lumen corner mount fluorescent

The VAS is a specialty high bay fluorescent fixture. This uniquely designed fixture provides maximum light distribution throughout a given area. The corner mount design allows the VAS to direct light towards the center of the room, thus minimizing the glare associated with overhead lighting. This fixture can be mounted in several different fashions, allowing extreme flexibility. With customized reflector options this unit will have the broadest throw of light and the widest distribution pattern. The VAS's durable design makes it an ideal fixture choice for abusive conditions, common in recreational facilities. Applications include tennis courts, volleyball courts and pools, with gasketing and natatorium finish.

VAS fixtures are available with a variety of lens and reflector combinations allowing the customer to maximize efficiency and customize the "look" to meet their specific needs. The standard 0.118" Clear Lexan Lens and optional 0.220" Clear Lexan Lens are popular in sporting arenas, where fixture needs to withstand impact from stray balls.

Mounting Methods

VAS fixtures offer flexible mounting methods that most commonly include: standard surface mounting or quick cables. There are several mounting options for this fixture series, and they are listed as "hanging options" below.

Hanging Options

- Surface Mount to wall or ceiling [Mounting holes provided in the housing] (Standard)
- Pendant Mount [Custom mounting - 4 pendants required per fixture] (Optional)
- Quick Cable [QC – Quick hang cable system] (Optional)

Product Construction

The VAS fixture housing is brake formed from heavy gauge cold rolled steel. The housing and end caps are permanently riveted together for strength and rigidity. The housing is post painted with durable, highly reflective powder-coat finish. Optional double powder coat and natatorium finishes are available for pool and high-moisture applications.

Optical Reflector

The system is precision brake formed of the selected aluminum material. The one piece reflector is removable without the use of tools, using 1/4 turn fasteners to secure it in place.

Finish

Standard finish on this fixture's housing is a white powder coat. Uniquely, this fixture is available in a wide range of custom colors. Pick from hundreds of colors or supply your own Pantone Color swatch.

Lampholders

Made of a Polycarbonate material; these locking-style lampholders are utilized to ensure positive lamp retention. Additionally, the material contributes to a longer life product in high temperature applications.

Lens

The standard lens is a 0.118" Impact Resistant Clear Lexan lens. Optional lenses are available, see ordering information.

Ballasts

All ballasts are electronic programmed-start (T5HO) or instant-start (T8) as a standard. Optional ballasts are available, consult factory for available systems and system specifications. Available voltages: 120v, 277v, 347v, voltage sensing 120-277v and 347-480v.

Listings

All fixtures are UL and CUL listed.

Please specify when ordering

Fixture Series	Lens	# of Lamps	Lamp Type	Voltage	# Ballasts	Ballast Type	Reflector	Hanging Options	Options	Lamp Color	Lamp Options
VAS											

Fixture ordering guide

Fixture Series	Lens	# of Lamps	Lamp Type	Voltage	# Ballasts	Ballast Type	Reflector	Hanging Options	Options	Lamp Color	Lamp Options*2
VAS	D12	3	32	12	1	HI	E	QC	C ()	BLANK	HP
VAST*1	D125	4	54	27	2	LI	W	QC ()	6TI	830	A
	D23	5		34	3	SI	B		6T2	835	TG*3
	DL1	6		UV		SI+			E ()	841	SS*3
	DL2			HV		PS			F	850	ES ()
	CALI					PSL			GSK		XL
						PSH			OS ()		
						PD			WG		
						SDH			20G		
						AX			SDT		
									NAT		
									2PCF		
									PC		

*1 VAST is an 8ft tandem fixture, # of lamps are for the profile of the fixture.

*2 Consult factory for manufacturing specific ordering codes/availability.

*3 Use in lensed fixtures is limited. Contact factory for specific application details.

Available fixture selections

Lens Selections	Ballast Selections	Reflector Selections	Options Selections	Lamp Color Selections
D12 Standard Prismatic	HI High Ballast Factor (HBF) Electronic*	E Enhanced Aluminum	C () Single Circuit Cord (Specify Length)	BLANK Lamps Not Included
D125 0.125" Prismatic	LI Low Ballast Factor (LBF) Electronic*	W Highly Reflective White Aluminum	6TI 6' Cord with L5-I5 Locking End	830 80+ CRI, 3000K
D23 23 Pattern High Dispersion, High Efficiency	SI Standard Ballast Factor (NBF) Electronic*	B 95% Reflective Extreme White Aluminum	6T2 6' Cord with L7-I5 Locking End	835 80+ CRI, 3500K
DL1 0.118" Clear Lexan	SI+ I.OBF Electronic*		E () Emergency Pack (# Lumens)	841 80+ CRI, 4100K
DL2 0.220" Clear Lexan	PS Programmed Start (NBF)		F Inline Fuse	850 80+ CRI, 5000K
CALI 0.118" Clear Acrylic	PSL Programmed Start LBF*		GSK Gasket Door Frame & Housing	
	PSH Programmed Start HBF*		OS () Occupancy Sensor (Specify Lamps on Low/ Lamps on High)	Lamp Options Selections
	PD Programmed Start Dimming	Hanging Options	WG Wire Guard	HP High Performance, Long Life Lamps*
	SDH Step Dimming HBF (100% to 60% Dimming)*	QC Quick Hang Cable (10')	20G 20 Gauge	A Amalgam Tip Lamps**
	AX Daylight Harvesting Ballast with Remote Mount Photosensor*	QC () Quick Hang Cable (Specify Length)	SDT Step Down Transformer (480V to 277V)	ES () Energy Saver (Specify Wattage)
			NAT Natatorium Finish	XL Long Life*
			2PCF Double Powdercoat	
			PC Photocell	
			AL Aluminum Body	

Common fixture selections

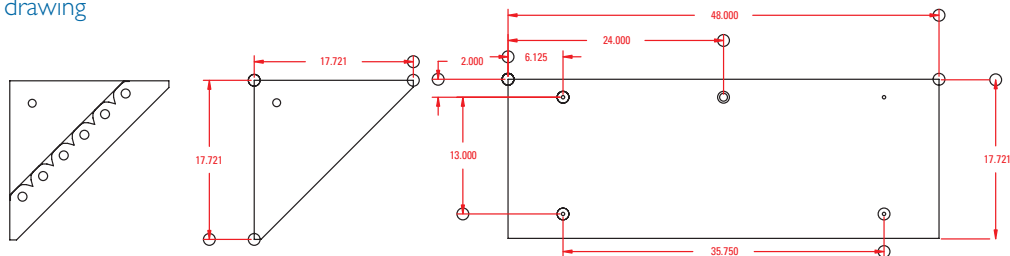
Catalog number	System	# of lamps	Wattage (120/277V)*	Initial system lumens*	Mean system lumens*
VAS D125 432 UV 1HI W	T5HO	4	148w / 145w	14,632	14,160
VAS D23 454 UV 1PS E	T5HO	4	232w / 226w	20,000	19,000
VAS DL1 554 UV 2PS E	T8	5	304w / 300w	25,150	23,893
VAS D23 632 UV 2HI E	T8	6	222w / 218w	21,948	21,240

*Wattages may vary depending on the ballast manufacturer and lamp type used.

Initial and mean system lumens are the initial/mean lumen output of the lamp/ballast system as rated by lamp and ballast manufacturer and may vary from manufacturer to manufacturer.

Specifications and dimensions subject to change without notice. Contact Philips Optimum for current availability and ordering information

Dimensional drawing



Fixture Type: _____

Catalog #: _____ Quantity: _____

Project: _____

Surface | www.philips.com/optimum | Phone (800) 541-9082 | Fax (855) 231-0414

