

VSS
SERIES

High Lumen Corner Mount Fluorescent

Product Description

This fixture fills out our product line offering for the Corner Mount fixture series. The VSS has a smaller housing size for tighter spaces and specialty design applications. The corner mount design allows the VSS 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 VSS'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.

VSS 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

VSS 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 Include:

- Surface Mount to Wall or Ceiling [Mounting holes provided in the housing] (Standard)
- Quick Cable [QC – Quick hang cable system] (Optional)
- Pendant Mount [Custom Mounting holes – 4 Pendants Required per Fixture] (Optional)

Product Construction

The VSS 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 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 powdercoat. Uniquely, this fixture can be customized to match your corporate colors or any desired retail design features. Pick from hundreds of colors or supply your own Pantone Color swatch.

Lampholders are 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 Standard lens is a 0.118” Impact Resistant Clear Lexan lens. Optional lenses are available, see ordering information.

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.



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FIXTURES



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VSS – Fixture Ordering Information

Fixture Series	Lens	# of Lamps	Lamp Type	Voltage	# Ballasts	Ballast Type	Reflector	Options	Lamp Color	Lamp Options*2
VSS	D12	1	32	12	1	HI	E	C ()	BLANK	HP
VSST*1	D125	2	54	27		LI	W	6T1	830	A
	D23			34		SI	B	6T2	835	TG*3
	DL1			UV		SI+		E ()	841	SS*3
	DL2			HV		PS		F	850	ES ()
	CAL1					PSL		GSK		XL
						PSH		OS ()		
						PD		WG		
						SDH		20G		
						AX		SDT		
								NAT		
								2PCF		
								PC		

Please Specify When Ordering:

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

*1 VSST is an 8ft Tandem fixture, # of lamps are for the profile of the fixture. *2 Consult Factory for Manufacturer Specific Ordering Codes/Availability. *3 Use in lensed fixtures is limited. Contact factory for specific application details.

Lens Selections

- D12 Standard Prismatic
- D125 0.125" Prismatic
- D23 23 Pattern High Dispersion, High Efficiency
- DL1 0.118" Clear Lexan
- DL2 0.220" Clear Lexan
- CAL1 0.118" Clear Acrylic

Lamp Type Selections

- 32 F32T8 System
- 54 F54T5HO System

Voltage Selections

- 12 120V
- 27 277V
- 34 347V
- UV 120-277V
- HV 347-480V

Ballast Selections

- HI High Ballast Factor (HBF) Electronic*
- LI Low BF (LBF) Electronic*
- SI Standard BF (NBF) Electronic *
- SI+ 1.0 BF Electronic *
- PS Programmed Start NBF
- PSL Programmed Start LBF *
- PSH Programmed Start HBF*
- PD Programmed Start Dimming
- SDH Step Dimming HBF (100% to 60% Dimming)*

(Continued in next column)

- AX Daylight Harvesting Ballast with remote mount photosensor*
* T8 Only

Reflector Selections

- E Enhanced Aluminum
- W Highly Reflective White Aluminum
- B 95% Reflective Extreme White Aluminum

Options Selections

- C () Single Circuit Cord (Specify Length)
- 6T1 6' Cord with L5-15 Locking End
- 6T2 6' Cord with L7-15 Locking End
- E () Emergency Pack (# Lumens)
- F Inline Fuse
- GSK Gasket Door Frame & Housing
- OS () Occupancy Sensor (Specify Lamps on Low/ Lamps on High)
- WG Wireguard
- 20G 20 gauge NYC Standards
- SDT Step Down Transformer (480 to 277V)
- NAT Natatorium Finish
- 2PCF Double Powdercoat
- AL Aluminum Body
- PC Photocell

Lamp Color Selections

- BLANK Lamps Not Included
- 830 80+ CRI, 3000K
- 835 80+ CRI, 3500K
- 841 80+ CRI, 4100K
- 850 80+ CRI, 5000K

Lamp Options Selections

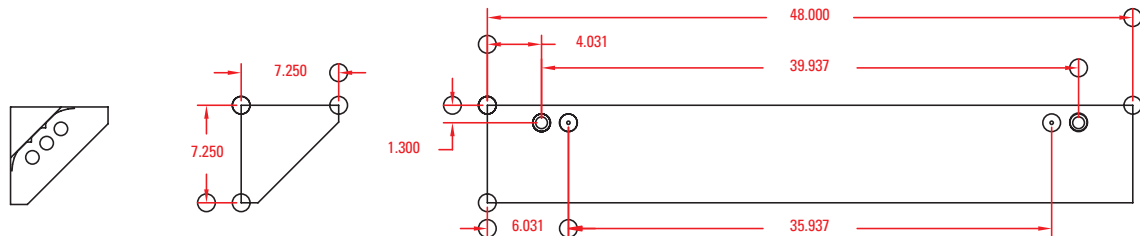
- HP High Performance, Long Life*
- A Amalgam Tip**
- TG Tubeguarded
- SS Shattershielded
- ES () Energy Saver (Specify Wattage)
- XL Long Life
- * T8 Only
- ** T5HO Only

Common Fixture Selections

Catalog Number	System	# of Lamps	Wattage (120/277V)*	Initial System Lumens*	Mean System Lumens*
VSS D12 132 UV 1LI W	T8	1	25w/25w	2,387	2,310
VSS DL1 154 UV 1PS E	T5HO	1	71w/71w	5,600	5,320
VSST D12 132 UV 1SI W	T8	2	54w/53w	5,394	5,220
VSST D23 254 UV 1PS E	T5HO	4	232w/226w	20,000	19,000

*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 Optimum Lighting for current availability and ordering information.



Fixture Type: _____

Catalog #: _____ Quantity: _____

Project: _____