

VSS SERIES

High lumen corner mount fluorescent

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

- 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 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

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 |
|----------------|------|------------|-----------|---------|------------|--------------|-----------|-----------------|---------|------------|--------------|
| VSS | | | | | | | | | | | |

Fixture ordering guide

| Fixture Series | Lens | # of Lamps | Lamp Type | Voltage | # Ballasts | Ballast Type | Reflector | Hanging Options | Options | Lamp Color | Lamp Options*2 |
|----------------|------|------------|-----------|---------|------------|--------------|-----------|-----------------|---------|------------|----------------|
| VSS | D12 | 1 | 32 | 12 | 1 | HI | E | QC | C () | BLANK | HP |
| VSST*1 | D125 | 2 | 54 | 27 | | LI | W | QC () | 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 | | |

*1 VSST 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 | 6T1 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 |
| CAL1 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) |
| | * T8 Only | | NAT Natatorium Finish | XL Long Life* |
| Lamp Type Selections | | | 2PCF Double Powdercoat | |
| 32 FT32T8 System | | | PC Photocell | |
| 54 F54T5HO System | | | AL Aluminum Body | |
| Voltage Selections | | | | |
| 12 120V | | | | |
| 27 277V | | | | |
| 34 347V | | | | |
| UV 120-277V | | | | |
| HV 347-480V | | | | |

Common fixture selections

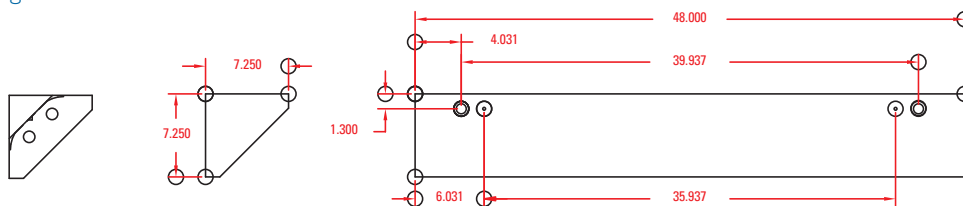
| Catalog number | System | # of lamps | Wattage (120/277V)* | Initial system lumens* | Mean system lumens* |
|-----------------------|--------|------------|---------------------|------------------------|---------------------|
| VSS D12 132 UV 1LI W | T8 | 1 | 25w / 25w | 2,387 | 2,310 |
| VSS DL1 154 UV 1PS E | T5HO | 1 | 71w / 71w | 5,600 | 5,320 |
| VSST D12 132 UV 1SI W | T8 | 2 | 54w / 54w | 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 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

