

FEATURES

- Robust & Durable Narrow Body Linear Vapor Tight
- Industry Leading Max Ambient up to 131°F (55°C)
 - Ambient Range -40°F to 131°F (-40°C to 55°C) on select models
- Extremely High Efficacy up to 156 lm/W
- 2ft, 4ft & 8ft Fixture Lengths
- Lumen Packages Ranging 2,000–24,000
- Surface, Pendant, Wall & Suspended Mounting Options
- Available in Green, Amber, and Red Dedicated LED
- Wireless Grouping Controls Options
- Multiple Lens Options
- Fiberglass Body Attributes:
 - F1 Weatherability Rating & 5VA Flame Rating
 - IP65, IP66 & IP67, NEMA4X, NSF, & 1500 PSI Hosedown
- 2700K–5000K CCT
- > 80 Color Rendering Index (CRI)
- Calculated L70 >100,000 Hours
- 0-10V Dimmable Driver (100%–10%)
- 5 Year Warranty
- UL Listed for Wet Location



SPECIFICATIONS

Construction

- Injection molded one piece 5VA rated fiberglass body with chemical resistant finish for rigidity, durability and prolonged life in rough environments. F1 weatherability rated housing.
- Toolless removable gear tray for quick and easy access to electrical. Standard white plastic captive latches fastened to housing to safely secure lens to housing, with other latch options available. Designed to achieve maximum performance and improved aesthetics.

Electrical

- Class 2 LED light engine for high efficacy and long life. Calculated L70 > 100,000hrs. LED Lumen Maintenance Estimates based on TM-21 projections for the light source at 77°F (25°C) ambient. Power Factor > 0.90. Standard 120-277 Vac 0-10V dimmable (10% - 100%) with optional 347V - 480Vac step down transformer.
- Optional emergency battery backups and generator transfer device available to meet critical life safety lighting requirements. Fixture max ambient reduced for emergency battery backup and step down options.

Installation

- Designed for a variety of mounting applications including surface, pendant, 45° wall mount and suspended. Pre-drilled holes on each side of fixture for electrical access and wiring. Hole plugged from factory with rubber IP rated seal. 1/2" HUBs available for threaded power entry from both ends. Toolless hinged removable gear tray for quick and easy access to electrical.

Warranty

- 5-year limited warranty (Terms and Conditions apply)



APPLICATIONS

Fixture is suitable for indoor and outdoor applications such as:

- Coolers & Freezers
- Food & Beverage Preparation
- Greenhouse
- Pharmaceutical
- Healthcare
- Education
- Industrial
- Parking Garages

Optics

- Robust injection molded and impact resistant PMMA lens options for durability and LED glare reduction. Standard Frosted Ribbed Acrylic (FRAC), with optional Frosted Smooth Acrylic (FSAC), Clear Smooth Acrylic (CSAC), Frosted Smooth Polycarbonate (FSPC) and Clear Smooth Polycarbonate (CSPC) lens options. Field removable lens for easy access to LED boards, drivers and maintenance.

Thermal

- Ambient temperature range -40°F to 131°F (-40°C to 55°C) on select models with cold start ambient temperature options. Fixture to be mounted at a minimum plenum height of 18" for suspended mounting. Reduced maximum ambient for surface mounting. Reference Ambient Temperature Ratings by lumen package in the Ambient Temperature Range table for more detail.

Controls

- Factory installed Advanced & Basic integral occupancy sensor options available. Fully control light levels for both occupied and unoccupied areas with user selectable bi-level dimming options to meet critical life safety lighting requirements. Advanced controls available for grouping capabilities and BAS operation. See Controls page for more detail (pg. 3).

Certifications and Listings

- UL Listed to US and Canadian safety standards. Suitable for Wet Locations. American Recovery and Reinvestment Act Funding Compliant. BAA Compliant. IP65, IP66, IP67 Rated. NSF Listed. 1500 PSI Hosedown Rated.

ORDERING GUIDE
EXAMPLE: VV-4LED-30-4K-80-U-FRAC-G-D-SV-6SB-X

SERIES	SIZE	WATTS (LUMENS @	CCT	CRI	VOLTAGE
V V	2LED - 2ft	30 - 4,400	27K - 2700K	80	U - 120 - 277 V+
Valor	4LED - 4ft	40 - 5,900	3K - 3000K	90	H - 347 - 480 V
Vaportight		50 - 7,400	35K - 3500K	CS - Custom	
		60 - 8,800	4K - 4000K		
		75 - 10,100	5K - 5000K		
	8LED - 8ft	60 - 8,900			
		80 - 11,900			
		100 - 14,800			
		125 - 17,700			
		150 - 20,500			

LENS	FINISH	DIMMING	MOUNTING
FRAC - Frosted Ribbed Acrylic (Standard)	G - Grey	D - 0-10V +	S - Surface Mounting Brackets
FSAC - Frosted Smooth Acrylic		T - TRIAC	SV - Suspended V Hooks
CSAC - Clear Smooth Acrylic		DALI - DALI DRIVERS	
FSPC - Frosted Smooth PolyCarb			
CSPC - Clear Smooth PolyCarb			
FDSA - Frosted Deep Smooth Acrylic **			
CDSA - Clear Deep Smooth Acrylic **			

** Available on 2ft and 4ft units

 Must be used with **PG** option

CORD AND PLUG	OPTIONS
6SW - 6' Standard White 120 - 277	PG - Parking Garage Distribution
6SB - 6' Standard Black 120 - 277	DS - Dual Switching Outside/Inside Boards
1SW - 10' Standard White 120 - 277	POT - Potentiometer on Geartry
1SB - 10' Standard Black 120 - 277	IMS - Internal Microwave Sensor
6L5W - 6' L5-15 White 120V Twist Lock	DIMS - Drive Integrated Microwave Sensor
6L5B - 6' L5-15 Black 120V Twist Lock	OCC - Occupancy Sensor
1L5W - 10' L5-15 White 120V Twist Lock	BLD - BI-Level Dimming
1L5B - 10' L5-15 Black 120V Twist Lock	PHO - Photocell
6L6W - 6' L6-15 White 240V Twist Lock	WLOS - Wet Location OSS Sensor
6L6B - 6' L6-15 Black 240V Twist Lock	EM10 - Emergency Battery Backup 10 Watts
1L6W - 10' L6-15 White 240V Twist Lock	EM20 - Emergency Battery Backup 20 Watts
1L6B - 10' L6-15 Black 240V Twist Lock	2GR - Dedicated GREEN LED
6L7W - 6' L7-15 White 277V Twist Lock	2RD - Dedicated RED LED
6L7B - 6' L7-15 Black 277V Twist Lock	2AB - Dedicated AMBER LED
1L7W - 10' L7-15 White 277V Twist Lock	SSL - Stainless Steel Latches
1L7B - 10' L7-15 Black 277V Twist Lock	CPL - Clear Polycarbonate Latches
6FW - 6' Flexible Whip	

CONTROLS OPTIONS

BASIC

WLOS

- Standard on/off wet location rated PIR occupancy sensor. Comes with 360 degree lens. Sensor mounted off end of fixture.

WLOSPC

- Standard on/off wet location rated PIR occupancy sensor with photocell control. When installed, fixture will not activate unless 1. motion is detected and 2. light levels are below the preset level. When activated, fixture will turn on to 100% light output and will only shut off when one of the two levels listed above are met. If no motion is detected and light levels fall below preset level the fixture remains off. Sensor mounted off end of fixture.

USBD

- User Selectable Bi-Level Dimming wet location rated PIR occupancy sensor. Allows the end user to manually select the unoccupied dimming level. Once motion is detected, the fixture will return to 100% light output. Sensor mounted off end of fixture.

BDxx

- Factory set Bi-Level Dimming wet location rated PIR occupancy sensor. Sensor is set to dim level, as indicated in the "xx" portion of the part number, when the area is unoccupied. Example: BD20 sets the fixture to dim down to 20% lumen output when the area is unoccupied. Once motion is detected, the fixture will return to 100% light output. Sensor mounted off end of fixture.

ADVANCED

Philips ES/HB

- EasySense wet location rated PIR occupancy sensor combines occupancy sensing, daylight harvesting and institutional tuning in one solution. Each device allows you to turn on/off occupancy and/or daylight harvesting functions as well as set the full light output, background light level, occupancy prolong time, occupancy grace fading time and occupancy time out/hold time. Requires use of EasySense Pre-Programmed Control Device (ES/PCD) and Commissioning IR Blaster (ES/IR); one of each needed per project. Sensor mounted off end of fixture.

Legrand FSP-311B

- FSP-311 wet location rated PIR occupancy sensor offers fully adjustable high and low dimmed light levels with optional photocell. Hold off setpoint with automatic calibration option. Adjustable time delay and cut off delay. Sensor adjustable programming via iOS or Android 'Sensor Configuration' App. Sensor mounted off end of fixture.

BDxxPC

- Factory set Bi-Level Dimming wet location rated PIR occupancy sensor with photocell. Sensor is set to dim level as indicated in the "xx" portion of the part number, when the area is unoccupied and will not return to 100% light output unless 1) motion is detected and 2) the light level is below the preset level. Example: BD20PC sets the fixture to dim down to 20% lumen output when the area is unoccupied and will not return to 100% light output unless the above conditions are met for both motion light level readings. Sensor mounted off end of fixture.

MWS

- Standard on/off wet location rated microwave occupancy sensor. Sensor installed on LED gear tray behind lens.

MWUSB

- User Selectable Bi-Level Dimming wet location rated microwave occupancy sensor. Allows the end user to manually select the unoccupied dimming level. Once motion is detected, the fixture will return to 100% light output. Requires use of MW/RC programming tool; one needed per project. Sensor installed on LED gear tray behind lens.

Enlighted 5S/HRW/IL

- Enlighted wet location rated PIR occupancy sensor bundled system with 5E sensor (SU-5S-HRW-IL), Control Unit (CU-4E-FM) and Cable (CBL-5E-CU4-30N). Fixtures are controlled based on occupancy and ambient light. Includes ability to group fixtures together and connect to a wireless wall switch to zone fixtures for group operation. Provided factory installed components only. Inquire for Enlighted system. Inquire with factory for customer supplied factory installed components. Contact factory for more information. Sensor mounted off end of fixture.

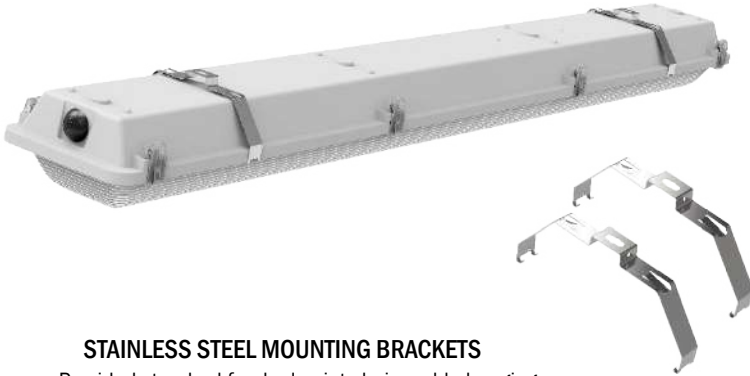
Enlighted 5S/HRW/CL

- Enlighted wet location rated PIR occupancy sensor bundled system with 5E sensor (SU-5S-HRW-CL), Control Unit (CU-4E-FM) and Cable (CBL-5E-CU4-30N). Fixtures are controlled based on occupancy and ambient light. Includes individual lighting attributes plus connection to Enlighted Energy Manager. The Energy Manager provides data analysis for all data collected by the Enlighted Smart Sensors for energy, occupancy and environment. Inquire for Enlighted system. Inquire with factory for customer supplied factory installed components. Contact factory for more information. Sensor mounted off end of fixture.

Enlighted 5S/HRW/IOT

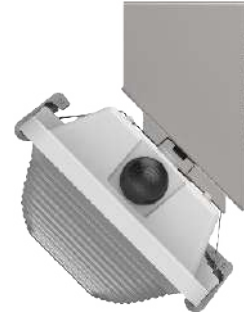
- Enlighted wet location rated PIR occupancy sensor bundled system with 5E sensor (SU-5S-HRW-IOT), Control Unit (CU-4E-FM) and Cable (CBL-5E-CU4-30N). Fixtures are controlled based on occupancy and ambient light. Includes individual lighting attributes plus connection to Enlighted Energy Manager. The Energy Manager provides data analysis for all data collected by the Enlighted Smart Sensors for energy, occupancy and environment. Additionally, the IOT functionality takes the data access and function beyond just lighting to a wide range of applications beyond the standard connected lighting controls. Inquire for Enlighted system. Inquire with factory for customer supplied factory installed components. Contact factory for more information. Sensor mounted off end of fixture.

MOUNTING OPTIONS



STAINLESS STEEL MOUNTING BRACKETS

Provided standard for dual point chain, cable hanging, and surface mount.



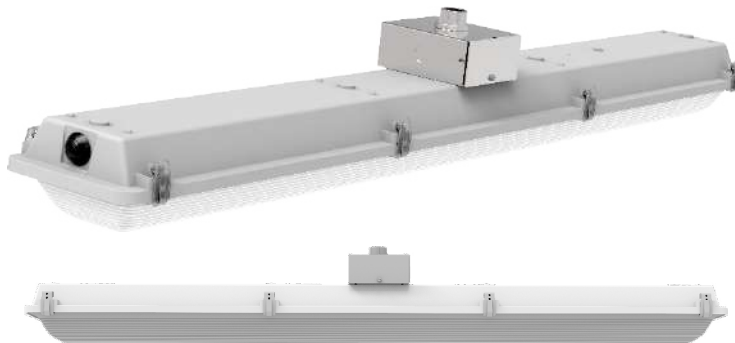
AB45DEG

45° Stainless Steel Angled Wall Mount Bracket.
Two standard per set. One set required per fixture.



HB-XXX-LOOP

Includes 2 adjustable cable hangers.
Available in 60", 120", 180" & 240"



FMB

Fixture Mounting Box utilized when pendant mounting.
Must be used with HUB 3/4. One needed per 4ft section.



HUB 3/4

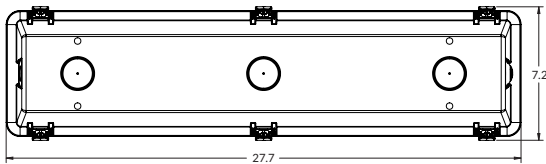
HUB 3/4 - 3/4" Conduit Hub for Single
Pendant Mounting. Requires use of FMB



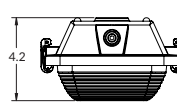
DIMENSIONS

VV2LED

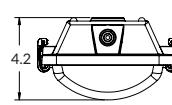
Top View



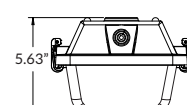
End View



LENS TYPE:
FRAC

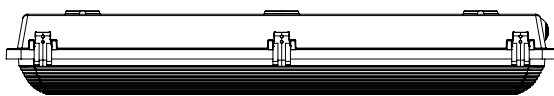


LENS TYPE:
FSAC
CSAC
FSPC
CSPC



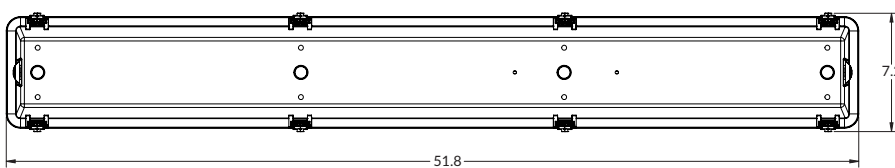
LENS TYPE:
FDSA
CDSA

Side View

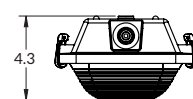


VV4LED

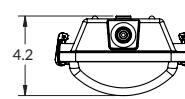
Top View



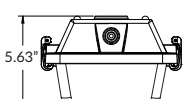
End View



LENS TYPE:
FRAC

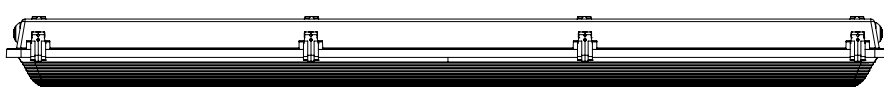


LENS TYPE:
FSAC
CSAC
FSPC
CSPC



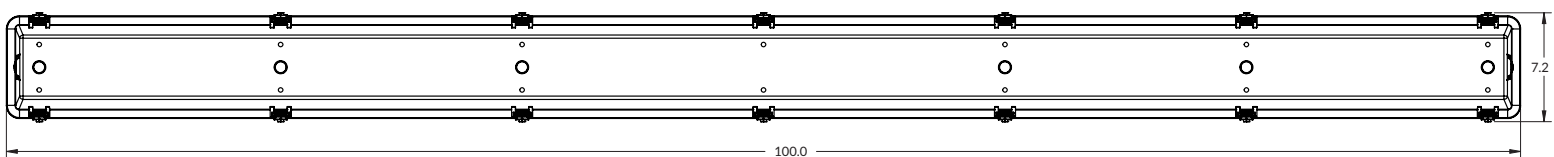
LENS TYPE:
FDSA
CDSA

Side View

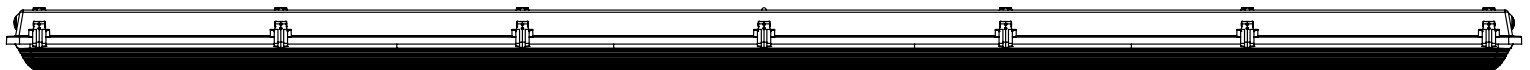


VV8LED

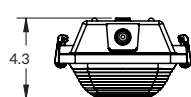
Top View



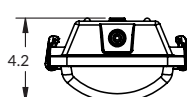
Side View



End View



LENS TYPE:
FRAC

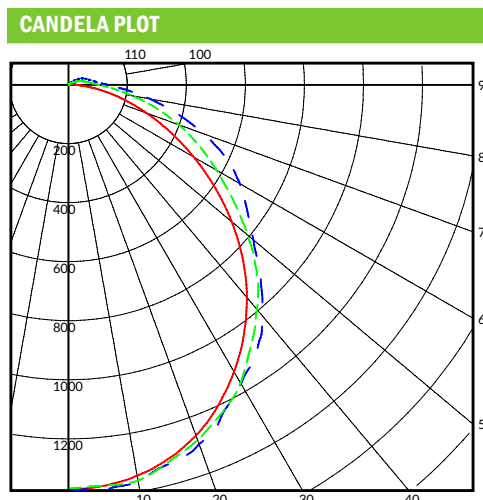


LENS TYPE:
FSAC
CSAC
FSPC
CSPC

PHOTOMETRIC DATA

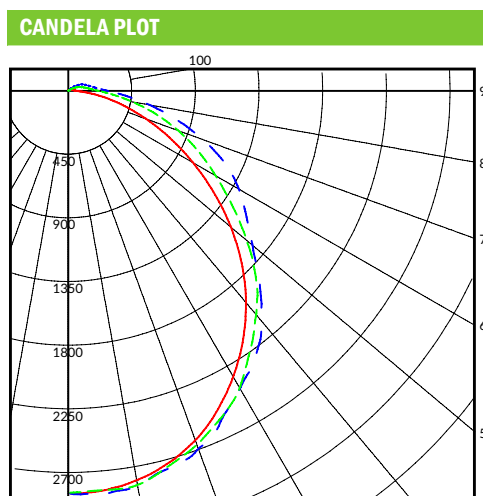
LUMINAIRE DATA	
Part Number	VV2LED-30-5K-80-U-FRAC
Description	2ft VALOR Vapor Tight, 4,000 Lumens, Frosted Ribbed Acrylic Lens
Fixture Lumens (lm)	4,172 lm
Wattage (W)	80 W
Efficacy (lm/W)	164 lm/W
Mounting	Suspended
Spacing Criteria	0° = 1.30, 90° = 1.29

ZONAL LUMEN SUMMARY		
Zone	Lumens (lm)	% Fixture
0° - 40°	1,744	42%
0° - 60°	3,043	73%
0° - 90°	4,010	96%
90° - 180°	162	4%
0° - 180°	4,172	100%



LUMINAIRE DATA	
Part Number	VV4LED-60-5K-80-U-FRAC
Description	4ft VALOR Vapor Tight, 8,000 Lumens, Frosted Ribbed Acrylic Lens
Fixture Lumens (lm)	8,673 lm
Wattage (W)	80 W
Efficacy (lm/W)	152 lm/W
Mounting	Suspended
Spacing Criteria	0° = 1.29, 90° = 0.77

ZONAL LUMEN SUMMARY		
Zone	Lumens (lm)	% Fixture
0° - 40°	3,626	42%
0° - 60°	6,327	73%
0° - 90°	8,338	96%
90° - 180°	336	4%
0° - 180°	8,673	100%



LUMINAIRE DATA	
Part Number	VV8LED-125-5K-80-U-FRAC
Description	8ft VALOR Vapor Tight, 16,000 Lumens, Frosted Ribbed Acrylic Lens
Fixture Lumens (lm)	16,371 lm
Wattage (W)	80 W
Efficacy (lm/W)	159 lm/W
Mounting	Suspended
Spacing Criteria	0° = 1.26, 90° = 1.26

ZONAL LUMEN SUMMARY		
Zone	Lumens (lm)	% Fixture
0° - 40°	6,845	42%
0° - 60°	11,944	73%
0° - 90°	15,737	96%
90° - 180°	634	4%
0° - 180°	16,371	100%

