LumenFécus



Project:
Location:
Cat. #:
Туре:
Quantity:



WVL F G2 2 | LED Vaportight High Bay

Features:

- High performance LED technology
- 0-10V dimming drivers standard on all models
- Multiple hanging options, including surface, chain, and aircraft cable, for easy installation
- Pre-wired 6' single circuit cord comes standard. Other cord options available
- Durable materials and craftsmanship allows the WVL F to withstand some of the harshest environments

• Buy American Act compliant (All base luminaires are BAA compliant. Addition of options may change eligibility. Contact factory for details.)

Applications:

Most industrial, retail, and recreational low bay and high bay applications

- Warehouse
- Manufacturing Facility
- Food Processing

• Cold/Frozen Storage (cold temperature rules apply. Refer to warranty document at <u>www.lumenfocus.com/support</u> for details)

Predicted Lifetime:

• L70 \geq 131,000 hrs (calculated)

• L90 \geq 40,000 hrs (reported) (based on LM-80, TM-21 and in-situ laboratory testing)

Construction:

- UL 5VA fiberglass housing (will not melt or burn)
- Clear polycarbonate lens
- Pre-painted aluminum board trays
- Stainless steel mounting hardware

Certifications:

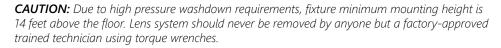
- UL 1598 listed for US and Canada, suitable for wet locations
- IP66
- NEMA 4X
- NSF
- PSI 1500
- RoHS



Warranty:

• 5 year limited system warranty - see <u>www.LumenFocus.com</u> for complete warranty terms and conditions









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Ordering Guide:

Ordering Guide: example: WVL F G2 2 HI UV CFP 940 RB:									CFP 940 RBS C6	
Series	Version	Length	Output	Voltage	Shielding	CRI/CCT	Hanging	Controls	Cords	Options
WVLF	G2	2								
Contro	ype. Max r ils. ting heigh controls. ' 0°C-55°C ' -20°C-55° lage. lumen out ens per Wa 52 2 HI UV	mounting t 50'. Se ambient. C ambien put in em tt of the I CFP 950	g height 4 e Page 5 t nt. Adds u rergency rr uminaire it EM10 → 14 ries (c ols ed Remote ghted Co	0'. See P. for more up to 11W node, mu : is installe 15.5 LPW Drder s e Control nnected	age 4 for details on to luminaire ltiply EM watt d in. x 10W = 1,455 eparately Wall Switch	5 lm	Blank V-Hook (For Chain or Cable Mount) RBS Rigid Mounting Beam - Stainless Steel RBZ Rigid Mounting Beam - Zinc Plated FCM Flexible Ceiling Mount QC 10' Quick Hang Cable Kit QC20 20' Quick Hang Cable Kit HUB Hub For Pendant Mounting (Stem Not Included)	Blank No Controls ZOS Occupancy Sensor (Or/Off) ⁽¹⁾ ZOSMD Microwave Photo/Motion Sensor With Step-Dimming (High/Low/Off) ⁽¹⁾ ZOFD1 Leviton Bluetooth-enabled Programmable Dimming/Occupancy/ Daylight Harvesting Sensor with Grouping (120-277V) ⁽¹⁾ ZOFDU Leviton Bluetooth-enabled Programmable Dimming/Occupancy/ Daylight Harvesting Sensor with Grouping, Scheduling (120-480V) ⁽¹⁾ Z221BL_ Wattstopper Programmable Photo/ Motion Multi-Voltage Sensor (high/low/off) ⁽²⁾ Z321BL_ Wattstopper Bluetooth-enabled Programmable Dimming/Occupancy/ Daylight Harvesting Multi-Voltage Sensor ⁽²⁾ ZPC Photocell ZENLC Enlighted Ruggedized Sensor with Dimming/Occupancy/Daylight Harvesting and Enlighted Connected System ⁽³⁾ ZENLI Enlighted Ruggedized Sensor with Dimming/Occupancy/Daylight Harvesting and Enlighted IoT System ⁽³⁾	C6 6' Single Circuit Cord (Comes Standard) C6 (LVL) C6 With Integrated Dimming Leads C10 10' Single Circuit Cord C10(LVL) C10 With Integrated Dimming Leads D6 6' Dual Circuit Cord D10 10' Dual Circuit Cord	Blank No Options P(NEMA) Plug (Specify NEMA configuration) EM6 6.5W Emergency Pack ^(4,6) EM10 10W Emergency Pack ^(4,6) EM16C 10W Cold Temp. Emergency Pack ^(5,6) EM16C 16W Cold Temp. Emergency Pack ^(5,6) F Euse SDT(480V) 480V To 277V Step Down Transformer BAA Buy American Act Compliant





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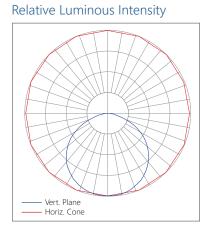
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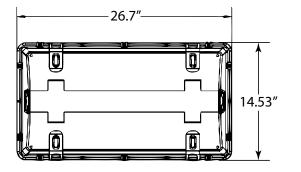
Performance Chart:

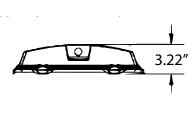
Catalog #	Watts	Lumens (930)	LPW (930)	Lumens (935)	LPW (935)	Lumens (940)	LPW (940)	Lumens (950)	LPW (950)
WVL F G2 2 VL UV CFP 9xx	55.7	7734.5	138.8	7767.1	139.4	7951.6	142.7	7951.6	142.7
WVL F G2 2 LW UV CFP 9xx	82.6	11569.0	140.1	11617.7	140.7	11893.7	144.1	11893.7	144.1
WVL F G2 2 MD UV CFP 9xx	111.5	15469.0	138.8	15534.2	139.4	15903.1	142.7	15903.1	142.7
WVL F G2 2 HI UV CFP 9xx	127.3	18022.6	141.6	18098.6	142.2	18528.5	145.5	18528.5	145.5

Photometric Data:



Schematic:





Mounting:



V-Hook For chain or cable mount (comes standard)







RBZ = zinc-plated)

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Controls Summary:

Control Code	Туре	Capabilities	Communication	
ZOS	Motion (PIR)	On/Off	Wired	
ZOSMD	Motion (Microwave), Photosensor	On/Low/Off	Wired 1-10V	
ZOFD1	Motion (PIR), Daylight Harvesting	High/Low/Off, High-End Trim, Grouping	Wired 0-10V, Programmable via Bluetooth App (iOS, Android)	
ZOFDU	Motion (PIR), Daylight Harvesting	High/Low/Off, High-End Trim, Grouping, Scheduling	Wired 0-10V, Programmable via Bluetooth App (iOS, Android)	
Z221BLx	Motion (PIR), Photosensor	High/Low/Off, High-End Trim	Wired 0-10V, Programmable via IR remote (sold separately)	
Z321BLx	Motion (PIR), Daylight Harvesting	High/Low/Off, High-End Trim	Wired 0-10V, Programmable via Bluetooth App (iOS, Android)	
ZPC	Photosensor	On/Off	Wired	
ZENLC	Motion (PIR), Daylight Harvesting	High/Low/Off, High-End Trim, Grouping, Scheduling*, Energy Monitoring*, BMS Integration*, Upgradable to IoT (ZENLI), LLLC (Enlighted IoT)*	Wireless Bluetooth Low Energy Mesh, Programmable via Enlighted IoT Software	
ZENLI	Motion (PIR), Daylight Harvesting	High/Low/Off, High-End Trim, Grouping, Scheduling*, Energy Monitoring*, BMS Integration*, LLLC (Enlighted IoT)*, Space - Building Utilization*, Where - Real Time Location Services*	Wireless Bluetooth Low Energy Mesh, Programmable via Enlighted IoT Software	

LLLC = Luminaire Level Lighting Control

* Additional equipment required. Contact LumenFocus representative for details

On/Off Occupancy Sensor (ZOS)

The Leviton OSFHL-CTW (or equivalent) is an end mounted PIR On/Off motion sensor. It comes with

two interchangeable lenses: Low Bay (8-25' heights), High Bay (20-40' heights), as well as an aisle mask. • IP65 rated



Microwave Occupancy Sensor (ZOSMD)

The Leviton OSM3D-DDW (or equivalent) detects motion through low density materials using high

frequency electromagnetic waves. This means it can sit discretely behind the WVL F's lens. The high frequency waves offer less interference and false tripping than traditional sensing technology for reliable occupancy applications. The ZOSMD features automatic switching or dimming based on motion. The ZOSMD



option adds step-dimming functionality - standby dimming level 10% / 20% / 30% / 50%. Max mounting height is 40 feet.

Programmable Dimming Sensors:

ZOFDx Sensors



The ZOFDx option includes four sensor lenses that can easily be installed or swapped out in the field. From left: the high bay lens (20'-40' mounting), the high bay lens with aisleway mask, the low bay lens (8'-20' mounting), and the low bay lens with aisleway mask.

- Leviton Smart IP66 passive infrared (PIR) sensors
- Features mesh grouping (16 devices per group), occupancy sensing, daylight harvesting, scheduling (for ZOSFDU only), single-level switching
- Comes pre-installed on the end capRated for cold locations
- Configurable through the Leviton Smart Sensor App using a smartphone or other Bluetooth-enabled iOS or Android device

Z221B/Z321B Sensors

- The Wattstopper FSP sensor provides multi-level control based on motion and/ or daylight contribution
- Rated for cold locations
- Parameters for Bluetooth-enabled Z321B adjustable via phone app iOS or Android
- Parameters for Z221B adjustable via wireless configuration tool (FSIR-100 sold separately)
- Three lenses available, tailored for the ideal detection area and mounting height:
 -L2: 360° lens, maximum coverage 48′, diameter from 8′ height
- -L3: 360° lens, maximum coverage 40', diameter from 20' height
- -L7: 360° lens, maximum coverage 100', diameter from 40' height



1) The Wattstopper FSP sensor. 2) The phone app interface for the Z321B. 3) The FSIR-100 wireless configuration tool.



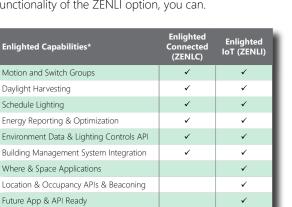
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Enlighted: All-in-one sensors, upgradeable systems

Enlighted's IP65-rated Ruggedized Sensor is an all-inone unit: task tuning, high-end trimming, daylight harvesting, and occupancy/vacancy detection. Max installation height is 50 feet.

Enlighted Connected ("ZENLC") offers many features, including motion and switch groups, daylight harvesting, energy reporting, and more. The Enlighted IoT ("ZENLI") option allows the full implementation of Enlighted's services. Enlighted Connected can be fully upgraded to the next tier in the future. So if you start with ZENLC but want to add the functionality of the ZENLI option, you can.



Real-time data analytics

Enlighted's control units compile data in real-time, which can be viewed via the Energy Manager. The Energy Manager is part of the Enlighted Connected and Enlighted IoT configurations.

- Real-time measurements and verification of energy savings
- Space analytics data can be compiled into motion trails and heat maps
- Analyze traffic density and congestion in a space



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