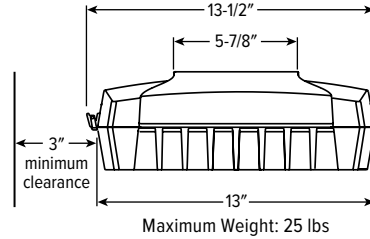


VG1 LED

Voltaire Architectural Surface/Garage Light



CATALOG #: _____

TYPE: _____

PROJECT: _____



FEATURES

- Rugged and durable housing with IP66 rating
- Quick and easy installation with the hinged two-piece enclosure
- Effectively illuminates any garage, canopy and exterior surface or pendant mount application
- Achieve multi-level control with optional motion and daylight sensors
- Wireless in-fixture control solutions available
- Made Right Here® in the USA

SPECIFICATIONS

- HOUSING** – Two-piece hinged die-cast aluminum enclosure.
- THERMAL MANAGEMENT** – Integral die-cast aluminum heat sink and LED module provide passive thermal management. Rated ambient operating temperature -30°C to 50°C (L30), -30°C to 40°C (L65, L100).
- OPTICAL SYSTEM** – Precision, injection-molded, refractive optics available in standard IES distributions. Clear tempered glass lens.
- LED MODULE** – ANSI 3000K, 4000K, or 5000K CCT, minimum 70 CRI LEDs.
- LED DRIVER** – Class 1 constant-current driver, 0-10V dimming.
- ELECTRICAL** – 120-277, 347, and 480 VAC input range; 50-60Hz; power factor >.90; THD <20% at full load. FCC Class A compliant. 10kA/10kV surge protection standard. Quick-disconnect wiring provided. L70 >60,000 hours per IES TM-21. Conduit/power entry must be sealed to prevent moisture or water intrusion.
- FINISH** – Super durable polyester powder coat bonded to phosphate-free, multi-stage pretreated metal, meets and exceeds AAMA 2604 specifications for outdoor durability.
- MOUNTING** – Surface or pendant mount. Maximum weight: 25 lbs.
- LISTINGS** –
 - cCSAus certified as luminaire suitable for wet locations. Suitable for dry or damp locations when specified with PM mounting configuration.
 - IP66 rated.
 - Meets the American National Standard for Roadway Lighting Equipment – Luminaire Vibration (ANSI C136.31-2001), CT direct surface mounting configuration only.
 - IDA Dark-Sky approved.
 - RoHS compliant.
 - BUG classified per IES TM-15-11.
 - Complies with the Buy American Act and other federal regulations. Request certification at hew.com/baa.
- WARRANTY** – 5-year limited warranty, see hew.com/warranty.

ORDERING EXAMPLE: VG1 - L110/740 - T5 - SM - DBZ - OPTIONS - CONTROL/DIM - UNV

ORDERING INFO

SERIES	LUMENS ^[1]	CRI	CCT	DISTRIBUTION ^[2]
VG1	L30 3,000lm	7 70	30 3000K	T3 Type III
	L65 6,500lm	8 80 ^[3]	40 4000K	T5 Type V
	L110 11,000lm		50 5000K	TFL Type Flood

MOUNTING CONFIGURATION^[4]

SM	Surface mount to 4" maximum J-box (by others) ^[6]
PM	Rigid pendant mount (pendant by others) with counter weights included
CT	Closed top for direct surface mounting ^[7]

FINISH OPTIONS^[5]

BLK	Black (RAL #9004)
DBZ	Dark bronze
DBR	Medium bronze
GRAY	Standard gray
GRN	Green (RAL #6005)
SLV	Satin aluminum (RAL #9006)
WHT	White (RAL #9003)

OPTIONS^[8]

EM/6WC	6-watt emergency, low temperature battery ^[10]
EM/10CEC	10-watt emergency CEC qualified battery ^[11]
WG	Wireguard, chrome, ^[12]
WG-VG	Wireguard kit, chrome, field-installed, (4) 10-24 screws included
PMVG	_____ Rigid pendant stem and canopy kit
SF	Single fuse ^[13]
DF	Double fuse ^[14]

CONTROL^[9]

See page 5 for **ADDITIONAL CONTROL OPTIONS**.

–	None
AVI-IFAC-OA	Avi-on wireless fixture control with outdoor antenna
AVI-IFAC-OA-PIR	Avi-on wireless fixture control with PIR motion and daylight sensor, bottom mount with outdoor antenna

DRIVER

DIM	Driver with external dimming wires prewired for 0-10V low voltage applications
DRV	Driver without external dimming wires prewired for non-dimming applications

VOLTAGE

120	120V
208	208V
240	240V
277	277V
UNV	120-277V
347	347V ^[15]
480	480V ^[16]

NOTES

- Lumen output based on 70 CRI/4000K CCT. Actual performance may vary +/-5%. See page 2 for **FIXTURE PERFORMANCE DATA**.
- See page 2 for **DISTRIBUTION DETAILS**.
- Extended lead times may apply. Consult factory for availability.
- See page 3 for **MOUNTING DETAILS**.
- See page 2 for **FINISH OPTIONS**.
- Two 1/2" NPS threaded and plugged conduit side entry points provided.
- Two 1/2" NPS threaded and plugged conduit side entry points provided.
- See page 2 for **OPTIONS DETAILS**.
- See page 4 for **AVI-ON BLUETOOTH WIRELESS CONTROL DETAILS**. See page 3 for **SENSOR PLACEMENT DETAILS**.

¹⁰ Not available with L110 lumen package; 38°C maximum ambient temperature; 120-277V only.

¹¹ Not available with L110 lumen package; 40°C maximum ambient temperature; 120-277V only. Not available with DA Driver.

¹² Factory-installed.

¹³ 120V, 277V, or 347V only; must specify voltage.

¹⁴ 208V, 240V, or 480V only; must specify voltage.

¹⁵ Includes stepdown transformer. Not available with EM batteries or DA Driver.

¹⁶ Includes stepdown transformer. Not available with EM batteries or DA Driver.



FIXTURE PERFORMANCE DATA

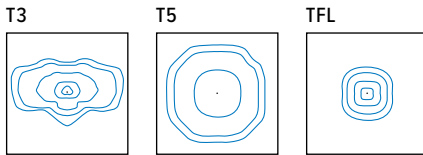
	DISTRIBUTION	DELIVERED LUMENS	WATTAGE	EFFICACY (LM/W)	BUG RATING
L30	Type III	3780	36	105	B2-U0-G2
	Type V	3566		99	B3-U0-G2
	Type FL	4009		111	B3-U0-G1
L65	Type III	7560	69	110	B2-U0-G2
	Type V	7131		103	B3-U0-G2
	Type FL	8018		116	B3-U0-G1
L110	Type III	11340	104	109	B2-U0-G2
	Type V	10697		103	B3-U0-G2
	Type FL	12027		116	B3-U0-G1

MULTIPLIER TABLE

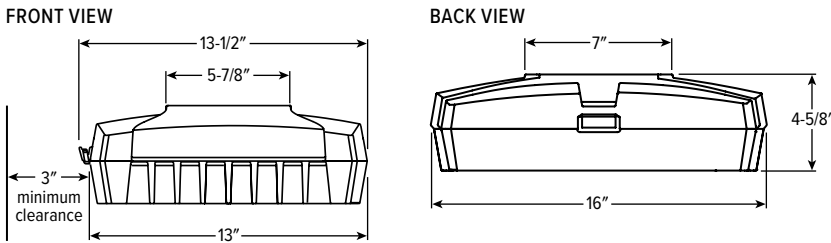
	COLOR TEMPERATURE	
	CCT	CONVERSION FACTOR
70 CRI	3000K	0.95
	4000K	1.00
	5000K	1.03
80 CRI	3000K	0.86
	4000K	0.91
	5000K	0.94

- Photometrics tested in accordance with IESNA LM-79. Results based on 70 CRI/4000K CCT, 25°C ambient temperature and average wattage for 120V through 277 input.
- To calculate lumen output in emergency mode, multiply the battery wattage by the efficacy.
- Use multiplier table to calculate additional options.

DISTRIBUTION DETAILS



CROSS SECTIONS



FINISH OPTIONS



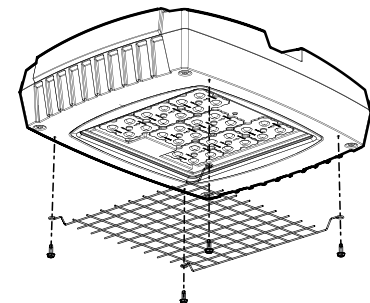
For custom color, please specify RAL code or a manufacturer code with description. All custom colors other than RAL require two sample swatches, minimum 1" square.

OPTIONS DETAILS

WG-VG

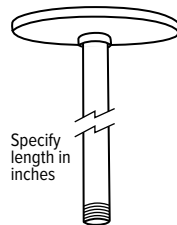
Field-installed wireguard kit provided with:

- 10-3/8" x 11-1/2" chrome wireguard
- (4) 10-24 screws



(Fixture Not Included)

PMVG



Rigid pendant stem and canopy kit provided with:

- 1/2" IP stem, specify length
- 1/2" IP crossbar with ground screw
- ø5" canopy, 7/8" deep
- (1) 1/2" IP locknuts
- 1/2" bushing/reducer

Notes:

- 4" maximum octagon J-box by others.
- Suitable for dry or damp locations.

EXAMPLE: PMVG12 - DBR		
SERIES	LENGTH	FINISH OPTIONS
PMVG	Specify length in inches, 6" minimum, 96" maximum.	BLK Black (RAL #9004) DBZ Dark bronze DBR Medium bronze GRAY Standard gray GRN Green (RAL #6005) SLV Satin aluminum (RAL #9006) WHT White (RAL #9003)
	Example: 20 = 20"	For custom color options, visit the VG1 at hew.com .



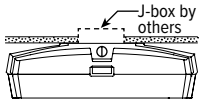
VG1^{LED} Voltaire Architectural Surface/Garage Light

MOUNTING DETAILS

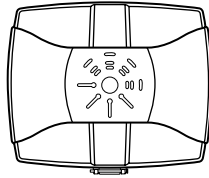
SM

Weight: 22 Lbs.

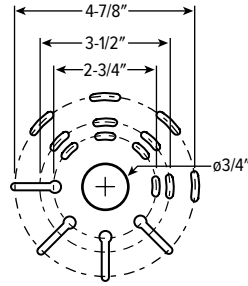
Side View



Top View



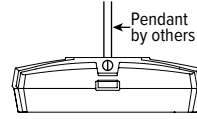
Bolt Pattern Detail



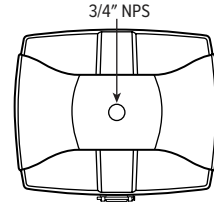
PM

Weight: 25 Lbs.

Side View



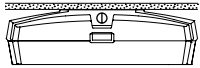
Top View



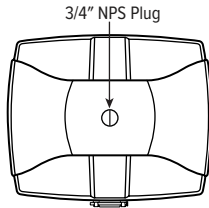
CT

Weight: 22 Lbs.

Side View

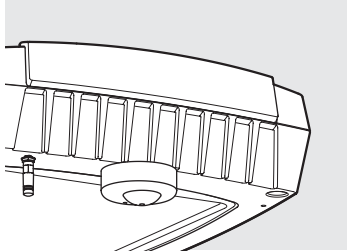


Top View

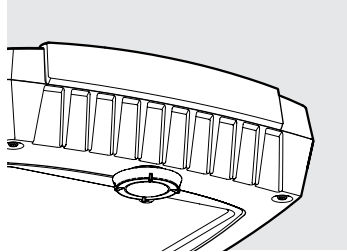


SENSOR PLACEMENT DETAILS

AVI-IFAC-OA-PIR



WS-FSP



SEE NEXT PAGE FOR CONTROL DETAILS.



VG1 LED LED Voltaire Architectural Surface/Garage Light

AVI-ON BLUETOOTH WIRELESS CONTROL DETAILS

FEATURES

Simple

- Gateway-free distributed control
- Factory pre-commissioning
- Contractor friendly installation
- Occupancy/vacancy/daylight sensing

Scalable

- Virtually unlimited network size
- Spans small areas to large garages
- Flexible control strategies

Secure

- Optional cloud connectivity
- UL IoT platinum security rating
- DLC 5.0 compliant

COMMISSIONING & INSTALLATION TOOLS

Avi-on mobile apps provide intuitive, quick installation and commissioning. Pro tools are available to qualified installers. Live commissioning training and on-site or remote support by Avi-on must be ordered separately through Avi-on.



Commissioning Mobile App



Zone Scanner Web App



Commissioning Pro App

SYSTEM COMPONENTS



The Bluetooth® word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. and any use of such marks by Avi-on is under license. Other trademarks and trade names are those of their respective owners.


ACCESSORIES

NETWORK	
AVI-RAB-LTE	Remote access bridge
AVI-KIT-NTM	Network time manager with battery backup

For load controllers and additional accessory info, see hew.com/avi-on

AVI-IFAC-OA-PIR Avi-on wireless fixture control with PIR motion and daylight sensor, bottom mount with outdoor antenna.

SPECIFICATIONS	
TYPE	PIR Motion + Daylight
MOUNTING HEIGHT	8' – 45'
LENS	Single lens detects high and low bay motion.
DETECTION ANGLE	360°
TEMPERATURE RANGE	-30° to 70°C
RELATIVE HUMIDITY	90 to 95% at 30°C
COMMISSIONING	App (iOS or Android)
SYSTEM REQUIREMENTS	Avi-On wireless fixture controls plus desktop and mobile apps
MANUFACTURER	Avi-On

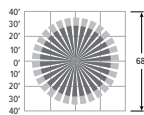
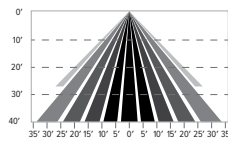


Bluetooth® Lighting Controls

SENSOR COVERAGE PATTERNS

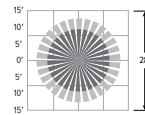
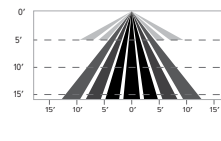
Large motion

45' height: ø68' coverage



Small motion

20' height: ø28' coverage



ADDITIONAL CONTROL OPTIONS

OCCWS-FSP-311-L_-120/277 Wattstopper PIR motion and daylight sensor, 120/277. Must specify lens: L2, L3, or L7. Factory installed.

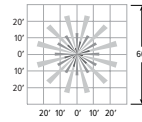
OCCWS-FSP-211-L_-120/277 Wattstopper PIR motion and daylight sensor, 120/277. Must specify lens: L2, L3, or L7. Factory installed.

FSIR-100 Remote controller for 211 sensor. Please specify quantity required per project. Ordered and shipped separately.

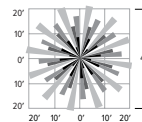
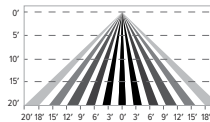
SPECIFICATIONS	
TYPE	PIR Motion + Daylight
MOUNTING HEIGHT	8' – 40'
DETECTION ANGLE	360°
TEMPERATURE RANGE	-40° to 75°C
COMMISSIONING	311 Sensor: App (iOS or Android) 211 Sensor: FSIR-100 Remote

SENSOR COVERAGE PATTERNS

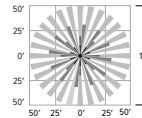
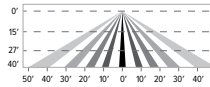
L2 8' height: ø48' coverage



L3 20' height: ø40' coverage



L7 40' height: ø100' coverage



SENSOR DETAIL



Dimensions
L2/L3: ø2-3/8" | L7: ø3-1/4"

