

VG Floodlight Series of LED Luminaires



Greenstar's VG Flood Light Luminaire is a high performance, energy-efficient, solid-state fixture ideal for flood light applications such as Area, Parking, and Garage. The lighting performance is equivalent to a 250W to 400W HID (high intensity discharge) luminaire with a greater than 50% energy savings.

FEATURES:

Construction—Heavy-duty, corrosion-resistant, low-copper, die cast aluminum housing and stainless steel hardware provide strength and durability. A powder-coated finish and IP66 construction offers excellent resistance to outdoor environments.

LED's—The VG incorporates advanced high-efficiency OSRAM Duris S8 which offer optimal performance with an efficacy > 85 lumens per watt. The LED's are mounted to a metal core PCB (printed circuit board) which is then mounted to a finned, aluminum heat sink using patented technology with optimized heat transfer that provides long LED operating life.

Electrical—The VG is available in 120-277V, 50/60Hz, with a >90% Power Factor Correction (PFC) and < 10% Total Harmonic Distortion (THD). Exceeding Energy Star requirements, the VG conforms to industry and government performance mandates and standards.

Optics—Designed to achieve NEMA class 7 distribution with a >115° beam spread light pattern.

LED Rated Life (L90) - These components are rated for 54,000+ hours @ 25°C (77°F) ambient environment per LM-80, TM21.

Protection/Ingress—All compartments, including LED's, drivers, and connections are IP66 certified.

Operating Temperature Range— -40°C to +50°C

Photo control Options—Call factory for more details.

Surge Protection—10kV/10kA (ANSI/IEEE C64.41.2) is standard and replaceable.

Listings—RoHS, IP66, LM-79, LM-80, NEMA compliant. NOM design compliance.

ORDERING TABLE:

Example: VG100451SNXXX

Model	Wattage	CCT	Distribution	Voltage	Color	Control Options	Dimming	Option 1	Option 2
VG	100	4 = 4100K	5 = no secondary optics, 120°	1 = 120V-277V	S = Silver	X = None	X = None	X = None	X = None
	120	6 = 5700K			R = Bronze				P = Photocell
	150								

ACCESSORIES:

- ✓ Post top mount
- ✓ Double VG mount (pendant)

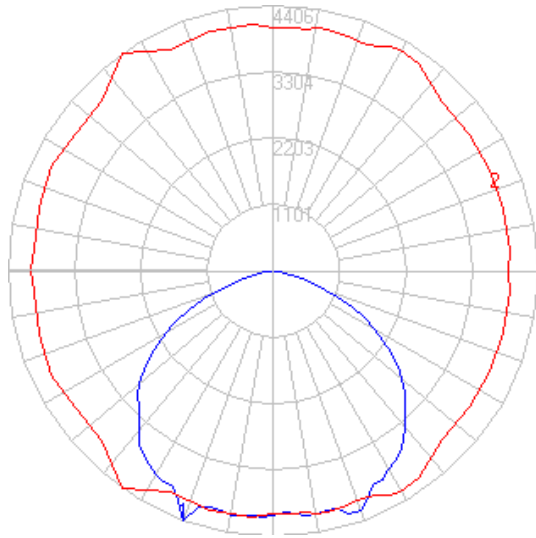


Post Top



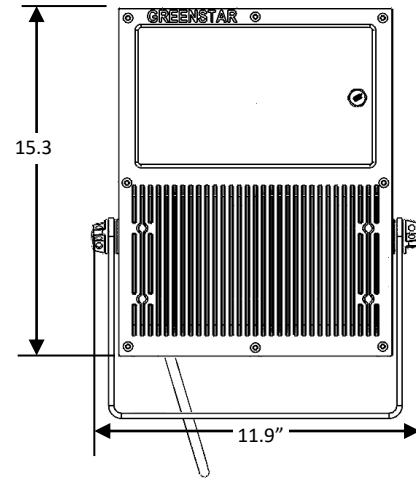
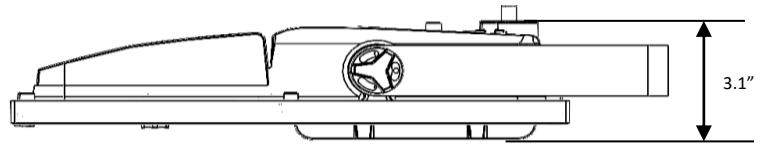
Double Bracket

PHOTOMETRICS:



VG 200

WEIGHTS/DIMENSIONS:



Weight: 5.5Kg.

PERFORMANCE SUMMARY:

Model	Input Watt (W)	Input Current			NEMA Type HXV	4100K-5700K	
		120V	240V	277V		Lumens (lm)	Luminous Efficacy (lm/W)
VG100	100	0.46	0.23	0.21	7X7	9,000	>90
VG120	120	0.841	0.43	0.38	7X7	10,200	>85
VG150	150	1.22	0.63	0.55	7X7	12,750	>85

MOUNTING :

U-bracket for a variety of mounting options including ceiling, wall, and other configurations. Post-top bracket available for single, double, and multiple flood fixtures. Double pendant mount available for use as low, medium, and high bay.



WARRANTY:

Standard 5 year warranty

