

VG Floodlight Series of LED Luminaires



Applications:

Greenstar's VG Flood Light is a high performance, energy-efficient, solid-state fixture ideal for a wide variety of applications. The lighting performance is equivalent to a 250W to 400W HID 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 Cree XLMLLED's which offer optimal performance with an efficacy of 100 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 100-277V, 50/60Hz, with a >95% 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 >130° 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.

Photocontrol Options—Call factory for more details.

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

Listings—ETL, UL, RoHS, CSA, IP66, LM-79, LM-80, NEMA, IENSA, ASTM B117, ARRA, DLC, and NAFTA compliant.

Ordering Table:

Example: VG14451SXXXX

Model	LED Quantity	CCT	Distribution	Voltage	Color	Control Options	Dimming	Option 1	Option 2
VG	14	4 = 4100K	0 = no secondary	1 = 120V-277V	S = Silver	X = None	X = None	X = None	X = None
	20	6 = 5700K	optics, 120°		R = Bronze*	P = NEMA Photocell	D = Dimming	H = House Side Shield	
					*Call for pricing & availability				

Accessories:

- CAT# GSSM103M—Pole Top Mount
- CAT# GSSM105M/106M—VG Double Bracket



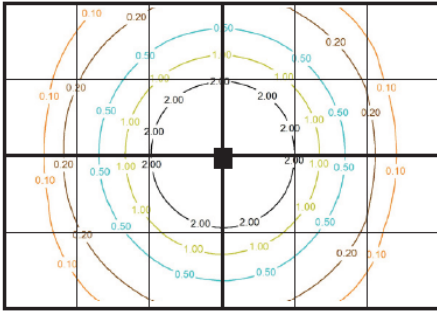
Post Top Mount



Double VG Mount

Photometrics:

VG20 , 5700K, 25' Height
Aimed Downward (Footcandles)

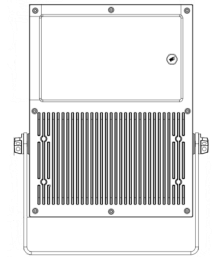
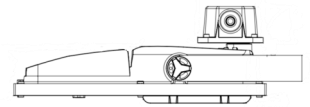


Luminare Indicated with a black square.
Each square is 25x25 ft.

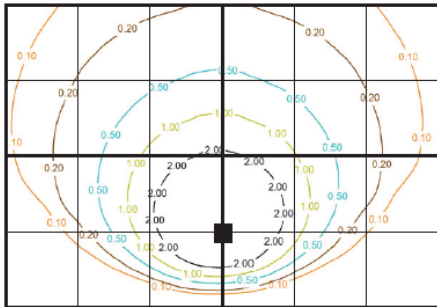
	LCS Zone	Lumens	% of Luminaire
Forward Light	0- +/- 30°	3834	27%
	+/-30- +/- 60°	8094	57%
	+/-60- +/- 80°	2272	16%
	+/-80- +/- 90°	0	0%
Backward Light		0	0%
Total		14,200	100%

** LED B-U-G Rating (aimed straight down) is 3-0-1.

Weights/Dimensions:



VG20 , 5700K, 25' Height
Aimed 45° Below Horizon (Footcandles)



Luminare Indicated with a black square.
Each square is 25x25 ft.



VG with Photocell

VG:

EPA: 0.9 sq. ft.

Length: 10.4 in. (26.42 cm)

Width: 4.5 in. (11.43 cm)

Height: 13.03 in. (33.09 cm)

Weight: 19.0 lbs.

Performance Summary:

Model	Input Watts	Input Current (A)			Distribution Type	4100K		5700K	
		120V	240V	277V		Lumens	Efficacy (LPW)	Lumens	Efficacy (LPW)
VG14	100W	0.83	0.42	0.36	V	9,000	90	9,118	91
VG20	150W	1.25	0.63	0.54	V	13,349	89	13,500	90

Mounting:

- Standard U-bracket for custom 360° adjustment.
- Post-top mount
- Double bracket mount



Double Bracket Mount



Post-top Mount

Warranty:

5 year standard factory warranty with 10 year option available.

*** All Specifications Are Subject To Change Without Notice ***



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