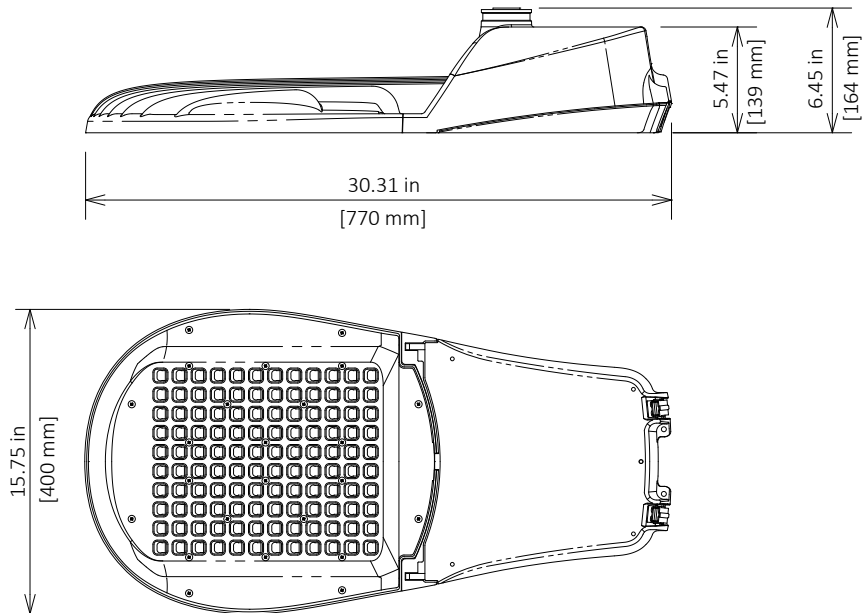


GreenKingCobra™ LED Street Light GC2

Luminaire Data

Weight 25 lbs [11.3 kg]
EPA 1.0 ft²



Ordering Information

Sample Catalog No. GC2 80F MV NW 2 GY BSK RPB FDC350

Product	No. & Type of LEDs	Voltage	Color Temperature ¹	Distribution	Finish ²	Drive Current ³	Options
GC2	80F 90F 100F 120F	MV 120-277V HV 347-480V	NW 4000K	2 Type 2 3 Type 3	GY Gray DB Dark Bronze BK Black	350 350mA 530 530mA 700 700mA 1A ⁴ 1A	BSK Bird Spider Kit SPB Square Pole Bracket RPB Round Pole Bracket PTB Pole-Top Bracket HSS ⁵ House Side Shield FDC ⁶ Fixed Drive Current LPCR Less Photocell Receptacle PCR5 ANSI 5-wire Photocontrol Receptacle PCR7 ANSI 7-wire Photocontrol Receptacle SC PCR Shorting Cap WL Utility Wattage Label

Notes:

- 1 Nominal 4000K standard, consult factory for other color temperatures.
- 2 Gray, Black and Dark Bronze standard, consult factory for other finishes.
- 3 Factory set drive current, field adjustable standard. Refer to performance data on page 2.
- 4 1A drive currently only available with 80F.
- 5 Flush mounted house side shield factory installed. Shield cuts light off at 1/2 mounting height behind luminaire.
- 6 Non-field adjustable, fixed drive current.

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GC2

Luminaire Specifications

Housing

Die cast aluminum housing with universal four-bolt slip fitter mounts to 1-1/4" to 2" (1-5/8" to 2-3/8" O.D.) diameter mast arm. Meets 3G vibration per ANSI C136. Leveling adjustment from +10° to -5° and integral bubble level standard. Electrical components are accessed without tools and are mounted on removable power door. Power door features quick electrical disconnects to terminal block and LED board.

Light Emitting Diodes

Hi-flux/Hi-power white LEDs produce a minimum of 95% of initial intensity at 100,000 hours of life. LEDs are tested in accordance with IES LM-80 testing procedures. Mean correlated color temperature of 4000K (standard) and 70 minimum CRI. LEDs are 100% mercury and lead free.

Optical Systems

Micro-lens systems produce IES Type 2 or Type 3 distributions. Luminaire produces 0% total lumens above 90° (BUG Rating, U=0).

Electrical

Power supply drive current is field adjustable (350mA, 530mA or 700mA for the 700mA power supply or 530mA, 700mA or 1A for the 1A power supply). Power supply features a minimum power factor of .90 and <20% Total Harmonic Distortion (THD). EMC meets or exceeds FCC CFR Part 15. Transient voltage complies with ANSI C62.41 Cat. A. Integral surge protector is tested per ANSI/IEEE C62.45 procedures based on ANSI/IEEE C62.41.2 definitions for standard and optional waveforms for Location Category C High. Photocontrol receptacle is standard, ANSI C136.41 5-wire (PCR5) or 7-wire (PCR7) dimming receptacle optional. Standard and optional photocontrol receptacles have tool-less rotatable base. Photocontrol or control module is provided by others. Power Supply is 0-10V dimmable standard with PCR5 or PCR7 option.

Finish

Housing receives a fade and abrasion resistant, epoxy polyester powder coat.

Listings/Ratings/Labels

Luminaires are UL listed for use in wet locations in the United States and Canada. Optical systems maintain an IP66 rating. Design Lights Consortium qualified product. Luminaire is qualified to operate at ambient temperatures of -40°C to 40°C. Assembled in the U.S.A.

Photometry

Luminaires are photometrically tested by certified independent testing laboratories in accordance with IES LM-79 testing procedures.

Warranty

10-year Limited Warranty is standard on luminaire and components.

Performance Data

All data nominal, consult factory for IES files or LM-79 reports.

No. of LEDs & Type	Drive Current (mA)	System Wattage (W)	Delivered Lumens (Lm) ¹	Efficacy (Lm/W)	Type 2	Type 3
					BUG Rating	BUG Rating
80F	700	180	17700	98	B3 U0 G3	B3 U0 G3
	1000	277	24500	88	B4 U0 G4	B4 U0 G4
90F	350	95	10800	114	B2 U0 G2	B3 U0 G3
	530	150	16050	107	B3 U0 G3	B3 U0 G3
	700	195	19800	102	B3 U0 G3	B3 U0 G3
100F	350	105	11700	111	B3 U0 G3	B3 U0 G3
	530	167	17400	104	B3 U0 G3	B3 U0 G3
	700	220	22000	100	B3 U0 G3	B3 U0 G3
120F	350	130	14600	112	B3 U0 G3	B3 U0 G3
	530	200	20800	104	B3 U0 G3	B3 U0 G3
	700	260	26400	102	B4 U0 G4	B4 U0 G4

Notes:

1 Nominal lumens. Normal tolerance ± 10% due to factors including distribution type, LED bin variance, and ambient temperatures.