

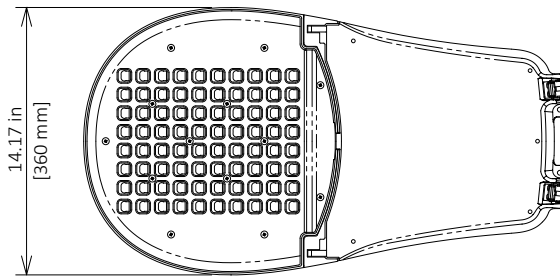
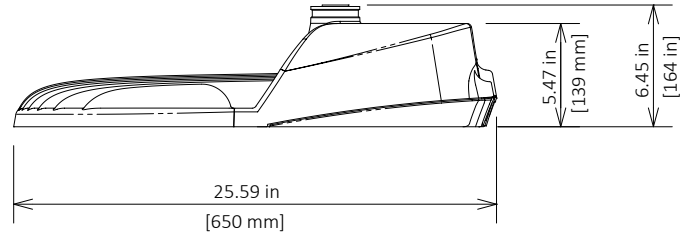
GC1 GreenCobra™ LED Street Light

Project Wisconsin Department of Transportation
Type LED A Approved June, 2015
Catalog No.

Luminaire Data

CAT. No. GC1-40F-MV-NW-3-GY-700-PCR7-WL-WISDOT-A-SC

Weight 21 lbs [9.5 kg]
EPA 0.9 ft²



Ordering Information

Sample Catalog No. GC1 60F MV NW 2 GY 350 BSK RPB FDC

GC1	40F	MV	NW	3	GY	700	PCR7-WL-WISDOT-A-SC
Product	No. & Type of LEDs	Voltage	Color Temperature ¹	Distribution	Finish ²	Drive Current ³	Options
GC1	20F 30F 40F 60F 80F	MV 120-277V HV 347-480V	NW 4000K	2 Type 2 3 Type 3	GY Gray	350 350mA 530 530mA 700 700mA 1A⁴ 1A	BSK Bird Spider Kit SPB Square Pole Bracket RPB Round Pole Bracket PTB Pole-Top Bracket HSS⁵ House Side Shield FDC⁶ Fixed Drive Current LPCR Less Photocontrol Receptacle PCR5 ANSI 5-wire Photocontrol Receptacle PCR7 ANSI 7-wire Photocontrol Receptacle SC PCR Shorting Cap WL Utility Wattage Label WISDOT-A Type A Label

Notes:

- 1 Nominal 4000K standard, consult factory for other color temperatures.
- 2 Gray standard, consult factory for other finishes.
- 3 Factory set drive current, field adjustable standard. Refer to performance data on page 2.
- 4 1A drive current only available with 40F.
- 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.

GC1

GreenCobra™ LED Street Light

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. 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 IESNA 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. Photo-control receptacle is standard, ANSI C136.41 5-wire (PCR5) or 7-wire (PCR7) dimming receptacle optional. 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, light gray finish standard.

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. Assembled in the United States.

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)	Efficacy (lm/W)	Type 2	Type 3
					BUG Rating	BUG Rating
20F	350	24	2500	104	B1 U0 G1	B1 U0 G1
	530	35	3600	103	B1 U0 G1	B1 U0 G1
	700	47	4600	98	B1 U0 G1	B1 U0 G1
30F	350	36	3800	106	B1 U0 G1	B1 U0 G1
	530	53	5300	100	B1 U0 G1	B2 U0 G2
	700	70	7000	100	B2 U0 G2	B2 U0 G2
40F	350	48	5100	106	B1 U0 G1	B2 U0 G2
	530	70	7100	101	B2 U0 G2	B2 U0 G2
	700	94	9300	99	B2 U0 G2	B2 U0 G2
	1000	132	12300	93	B3 U0 G3	B3 U0 G3
60F	350	68	7400	109	B2 U0 G2	B2 U0 G2
	530	105	11000	105	B2 U0 G2	B3 U0 G3
	700	145	14500	100	B3 U0 G3	B3 U0 G3
80F	350	85	9600	113	B2 U0 G2	B2 U0 G2
	530	134	14200	106	B3 U0 G3	B3 U0 G3
	700	183	18100	99	B3 U0 G3	B3 U0 G3