

# CIMARRON LED

Cat.#

Job

Type



**HUBBELL**  
Outdoor Lighting

Approvals

## SPECIFICATIONS

### Construction:

- Stylish vertically finned die-cast solid top housing for maximum heat dissipation; Stops collection of unsightly debris from gathering on top of the housing
- Rugged lower die-cast aluminum heat sink accelerates thermal management and optimizes PCB and optical performance
- Separate optical and electrical compartment for optimum component operation
- One piece die cut silicone gasket ensures weather proof seal around each individual LED for IP65 rating
- Backlight Control (BC) option available for 85% spill light reduction, doesn't change fixture appearance or EPA, recommended for Type III and Type IV distributions
- Stamped bezel provides mechanical compression to seal the optical assembly
- Complements the Hubbell Southwest series of outdoor fixtures
- Weight - 45.0 pounds, EPA - 1.3 ft<sup>2</sup>
- Suitable for applications requiring 3G testing prescribed by ANSI C136.31

### Optics:

- Choice of 72 high brightness LED configurations with individual acrylic lenses specially designed for IES Type II, III, IV and V distributions
- Auto optics designed for front row 1A and interior rows 2A (see distribution under ordering and page 2)
- CCT: 3000K (80 CRI), 4000K (70 CRI), 5000K (70 CRI), and turtle friendly Amber LED options

### Electrical:

- Universal input voltage 120-277 VAC, 50/60 Hz
- Integral step-down transformer for 347V & 480V
- Ambient operating temperature -40° C to 40° C
- Automatic thermal self-protection
- Drivers have greater than 90% power factor and less than 10% THD
- Optional continuous dimming to 10% or dual circuitry available

- LED drivers have output power over-voltage, over-current protection and short circuit protection with auto recovery
- 1050 mA driver available with 90L configuration for increased lumen output
- LED electrical assembly, including PR devices, consumes no power in the 'off' state
- Surge protection - 20KA; Turns fixture off at end of life; Includes LED for end of life indication (see surge suppressor page 4)

### Controls:

- Drivers are 0-10V dimming standard. Photocell, occupancy sensor and wireless controls available for complete on/off and dimming control

### Lumen maintenance:

- L90 at 60,000 hours (Projected per IESNA TM-21-11)

### Installation:

- Two die-cast aluminum arm designs: The decorative arm offers a sleek upswept look while the straight arm follows the housing's contoured lines for continuity of style
- Fixture ships with arm installed for ease of installation and mounts to #2 drill pattern
- Wall bracket, mast arm fitter and pole accessories are also available allowing easy mounting for virtually any application

### Finish:

- TGIC thermoset polyester powder paint finish applied at nominal 2.5 mil thickness

### Warranty:

Five year limited warranty (for more information visit: <http://www.hubbelloutdoor.com/resources/warranty/>)

### Listings:

- Listed to UL1598 and CSA C22.2#250.0-24 for wet locations
- Models meet DesignLights Consortium (DLC) qualifications, consult DLC website for more details: <http://www.designlights.org/QPL>
- IDA approved • IP65

## PRODUCT IMAGE(S)



90 LED 3/4 VIEW



30 LED

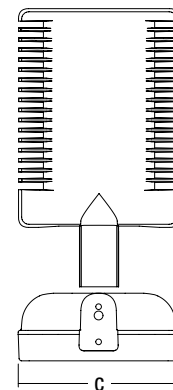
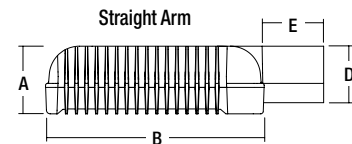
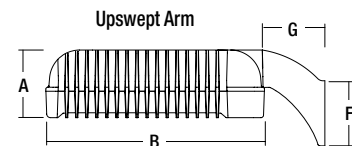


60 LED



90 LED

## DIMENSIONS



A	B	C	D	E	F	G
6 3/4" 171mm	21 3/4" 552mm	16" 406mm	6 5/8" 168mm	6 5/16" 160mm	5 5/8" 143mm	6 1/8" 155mm

## CERTIFICATIONS/LISTINGS



\*3000K and warmer CCTs only

## ORDERING INFORMATION SEE NEXT PAGE



**HUBBELL**  
Outdoor Lighting

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Due to our continued efforts to improve our products, product specifications are subject to change without notice.

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**HUBBELL**  
Lighting

## ORDERING INFORMATION ORDERING EXAMPLE: CL1-A-90LU-5K-3-DB-RPA3

SERIES	NO. OF LEDS	VOLTAGE	CCT	DRIVE CURRENT	OPTIONS
<b>CL1</b> Cimarron LED	<b>90L</b> 90 High brightness LEDs <b>60L</b> 60 High brightness LEDs <b>30L</b> 30 High brightness LEDs	<b>U<sup>1</sup></b> Universal 120V-277V, 50/60 Hz <b>1</b> 120V <b>2</b> 208V <b>3</b> 240V <b>4</b> 277V <b>5</b> 480V, 60 Hz <b>F</b> 347V, 60 Hz <b>E<sup>4</sup></b> 220V, 50 Hz	<b>3K</b> 3000K <b>4K</b> 4000K <b>5K</b> 5000K <b>AM<sup>4</sup></b> Amber (590 nm available for "Turtle Friendly" applications (consult factory))	Leave blank for 700mA (standard) <b>035</b> 350mA Amber CCT only <b>105</b> 1050 mA (Not for use with 30L)	<b>BC<sup>3</sup></b> Backlight control <b>CD</b> Continuous dimming <b>WB</b> Wall bracket <b>RPA3</b> 3" Round pole adapter <b>RPA4</b> 4" Round pole adapter <b>RPA5</b> 5" Round pole adapter <b>RPA6</b> 6" Round pole adapter <b>F(X)<sup>2</sup></b> Fusing (replace X with voltage: 1-120V, 2-208V, 3-240V, 4-277V, 5-480V, F-347V) <b>VG</b> Vandal guard <b>7PR</b> Photocell receptacle (7-pin ANSI C136.41—2013 receptacle for use with standard Twist-Lock® photo controls, shorting caps, and ANSI C136.41 external wireless control devices. Select SCL option to add occupancy sensing capability when using with compatible external wireless devices.
MOUNTING		DISTRIBUTION			
<b>A</b> Arm mount construction (6" straight rigid arm included & acceptable for 90° configurations)		<b>2</b> Type II <b>3</b> Type III <b>4</b> Type IV <b>5M</b> Type V Medium <b>5S</b> Type V Short <b>5W</b> Type V Wide <b>2L</b> Type II Rotated 90° left <b>3L</b> Type III Rotated 90° left <b>4L</b> Type IV Rotated 90° left <b>2R</b> Type II Rotated 90° right <b>3R</b> Type III Rotated 90° right <b>4R</b> Type IV Rotated 90° right <b>1A</b> Auto Front Row Type I <b>1AR</b> Auto Front Row Type I Rotated 90° right <b>1AL</b> Auto Front Row Type I Rotated 90° left <b>2A</b> Auto Front Row Type II <b>2AR</b> Auto Front Row Type II Rotated 90° right <b>2AL</b> Auto Front Row Type II Rotated 90° left			
<b>AD</b> Decorative arm mount const. (6" decorative upswept arm incl. & acceptable for 90° configurations)					
<b>MAF</b> Mast arm fitter for mounting to standard 2 3/8" mast arm bracket, includes 6" straight rigid arm					
COLOR					
<b>DB</b> Dark Bronze <b>BL</b> Black <b>WH</b> White <b>GR</b> Gray <b>PS</b> Platinum Silver <b>RD</b> Red (premium color) <b>FG</b> Forest Green (premium color) <b>CC</b> Custom Color					

Notes: 1 - Fuse option not available with universal voltage  
2 - Select F3 fusing option for 220V  
3 - Recommended for Type III and IV distributions only  
4 - Available in 350mA drive current only Type IV, 5M  
5 - 0-10V fully adjustable dimming with automatic daylight calibration and different time delay settings, must order minimum of one SCP-REMOTE control to program dimming settings (see accessories)  
6 - Not available with AD arm  
7 - Not available with WIR or WIRSC  
8 - Not available with SCO, SCL, SCP or SCPW

### CONTROLS GUIDE

As energy codes become more restrictive and we push for sustainable lighting designs, the integration of lighting controls and luminaires have become more and more important. Hubbell Lighting offers numerous outdoor lighting controls solutions for the most demanding applications. Visit the link below to learn more about energy-saving controls.

[www.hubbellighting.com/solutions/controls/](http://www.hubbellighting.com/solutions/controls/)

### PIR MOTION/OCCUPANCY CONTROL OPTIONS

- SCO<sup>6,7</sup>** On/Off control (line voltage device not for use with 7PR receptacle option and external wireless control devices)
- SCL<sup>6,7</sup>** Add-on occupancy sensor for use with ext. wireless control device connected thru 7PR receptacle. Consult control manufacturer for compatibility.
- SCP<sup>5,6,7</sup>** Programmable dimming control (line voltage device not for use with 7PR receptacle option and external wireless control devices). A minimum of one SCP-REMOTE accessory remote control required for configuration; (Standard lens with greater sensitivity; motion detection radius equal to .75 X luminaire mounting height (approx. distance))
- SCPW<sup>5,6,7</sup>** Programmable dimming control (line voltage device not for use with 7PR receptacle option and external wireless control devices); A minimum of one SCP-REMOTE accessory remote control required for configuration. (Wide lens with motion detection radius equal to 1.3 X luminaire mounting height (approx. distance))

### WIRELESS CONTROL OPTIONS

- WIR<sup>8</sup>** wiSCAPE Fixture Module, in-fixture relay for wireless lighting control
- WIRSC<sup>6,8</sup>** wiSCAPE Fixture Module, in-fixture relay for wireless lighting control and motion/occupancy control

## AUTOMOTIVE DEALERSHIP OPTICS

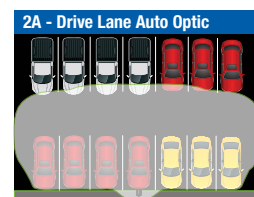
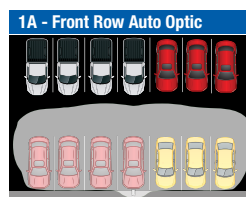
For Automotive Dealership applications Spaulding Lighting has developed two optics designed for enhanced and proper lighting of the auto dealership merchandise and the front row 1A and interior rows 2A (See CL1 distribution information for details)

### Optic 1A

- Maximum illumination on front row display
- Maximum pole spacing

### Optic 2A

- Excellent front row illumination and drive lane
- Optimal uniformity for drive lane and interior rows



# ENERGY SAVING DATA

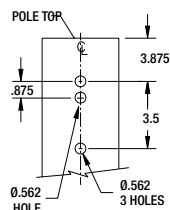
#LEDS	DRIVE CURRENT	SYSTEM WATTS		DIST. TYPE	5K (5000K nominal, 70 CRI)					4K (4000K nominal, 70 CRI)					3K (3000K nominal, 70 CRI)				
		120-277V	347-480V		LUMENS	LPW <sup>1</sup>	B	U	G	LUMENS	LPW <sup>1</sup>	B	U	G	LUMENS	LPW <sup>1</sup>	B	U	G
30	700 mA	70W	80W	1A	8244	118	1	0	1	8162	117	1	0	1	6775	97	1	0	1
				2A	8202	117	1	0	1	8121	116	1	0	1	6740	96	1	0	1
				2	7715	110	2	0	3	7639	109	2	0	2	6340	91	2	0	2
				3	7712	110	2	0	2	7635	109	2	0	2	6371	91	1	0	2
				4	7803	111	1	0	2	7726	110	1	0	2	6412	92	1	0	2
				5S	8374	120	3	0	0	8291	118	3	0	0	6882	98	3	0	0
				5M	7940	113	3	0	1	7862	112	3	0	1	6525	93	3	0	1
				5W	7667	110	3	0	2	7591	108	3	0	2	6301	90	3	0	2
				1A	16171	120	1	0	2	16011	119	1	0	1	13289	98	1	0	1
				2A	16088	119	1	0	2	15929	118	1	0	2	13221	98	1	0	2
60	700 mA	135W	150W	2	15134	112	3	0	3	14984	111	3	0	3	12437	92	3	0	3
				3	15127	112	3	0	3	14977	111	3	0	3	12498	93	2	0	3
				4	15306	113	2	0	3	15154	112	2	0	3	12578	93	2	0	3
				5S	16426	122	4	0	0	16263	120	4	0	0	13498	100	4	0	0
				5M	15575	115	4	0	2	15421	114	4	0	2	12799	95	3	0	2
				5W	15040	111	4	0	3	14891	110	4	0	3	12360	92	4	0	3
				1A	21139	96	2	0	2	20929	95	2	0	2	17371	79	2	0	2
				2A	21030	96	2	0	2	20822	95	2	0	2	17282	79	2	0	2
				2	19783	90	4	0	5	19587	89	3	0	5	16257	74	3	0	5
				3	19774	90	3	0	4	19578	89	3	0	4	16250	74	3	0	4
60	1050 mA	220W	235W	4	20007	91	3	0	5	19809	90	3	0	5	16442	75	3	0	5
				5S	21471	98	5	0	0	21259	97	5	0	0	17645	80	5	0	0
				5M	20359	93	5	0	3	20158	92	5	0	3	16731	76	5	0	3
				5W	19660	89	5	0	4	19465	88	5	0	4	16156	73	5	0	4
				1A	23781	116	2	0	2	23546	115	2	0	2	19543	95	2	0	2
				2A	23659	115	2	0	2	23425	114	2	0	2	19443	95	2	0	2
				2	22255	109	3	0	4	22035	107	3	0	4	18289	89	3	0	4
				3	22246	109	3	0	4	22026	107	3	0	4	18379	90	3	0	3
				4	22509	110	3	0	4	22286	109	3	0	4	18497	90	2	0	4
				5S	24156	118	5	0	0	23916	117	5	0	0	19851	97	4	0	0
90	700 mA	205W	225W	5M	22905	112	4	0	2	22678	111	4	0	2	18823	92	4	0	2
				5W	22117	108	5	0	3	21899	107	5	0	3	18176	89	5	0	3
				1A	31708	98	2	0	2	31394	97	2	0	2	26057	80	2	0	2
				2A	31545	97	2	0	2	31233	96	2	0	2	25923	80	2	0	2
				2	29674	91	4	0	5	29380	90	3	0	5	24385	75	3	0	4
				3	29661	91	3	0	4	29367	90	3	0	4	24505	75	3	0	4
				4	30011	92	3	0	5	29714	91	3	0	5	24663	76	3	0	4
				5S	32207	99	5	0	0	31888	98	5	0	0	26467	81	5	0	0
				5M	30539	94	5	0	3	30237	93	5	0	3	25097	77	4	0	2
				5W	29490	91	5	0	4	29198	90	5	0	4	24234	75	5	0	4
90	1050 mA	325W	350W	1A	31708	98	2	0	2	31394	97	2	0	2	26057	80	2	0	2
				2A	31545	97	2	0	2	31233	96	2	0	2	25923	80	2	0	2
				2	29674	91	4	0	5	29380	90	3	0	5	24385	75	3	0	4
				3	29661	91	3	0	4	29367	90	3	0	4	24505	75	3	0	4
				4	30011	92	3	0	5	29714	91	3	0	5	24663	76	3	0	4
				5S	32207	99	5	0	0	31888	98	5	0	0	26467	81	5	0	0
				5M	30539	94	5	0	3	30237	93	5	0	3	25097	77	4	0	2
				5W	29490	91	5	0	4	29198	90	5	0	4	24234	75	5	0	4

Amber					Drive Current	SYSTEM WATTS	
LUMENS	LPW <sup>1</sup>	B	U	G		120-277V	#LEDS
					350 mA	135W	60
2488		0	0	1			
2533		2	0	1			
					350 mA	205W	90
3558		1	0	1			
3596		2	0	1			

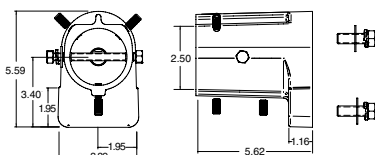
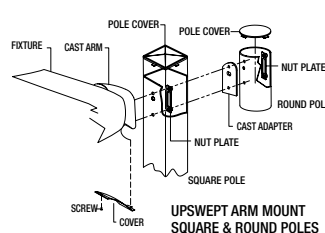
## ACCESSORIES/REPLACEMENT PARTS - Order Separately

Catalog Number	Description
CR-RPA3-XX <sup>1</sup>	Round pole adapter for straight arm (3/4" - 3 3/4")
CR-RPA4-XX <sup>1</sup>	Round pole adapter for straight arm (3 7/8" - 4 1/2")
CR-RPA5-XX <sup>1</sup>	Round pole adapter for straight arm (5")
CR-RPA6-XX <sup>1</sup>	Round pole adapter for straight arm (6")
CRD-RPA2-XX <sup>1</sup>	Round pole adapter for upswept arm (2 3/4" - 3 1/8")
CRD-RPA3-XX <sup>1</sup>	Round pole adapter for upswept arm (3 1/4" - 3 3/4")
CRD-RPA4-XX <sup>1</sup>	Round pole adapter for upswept arm (3 7/8" - 4 1/2")
CRD-RPA5-XX <sup>1</sup>	Round pole adapter for upswept arm (5")
CRD-RPA6-XX <sup>1</sup>	Round pole adapter for upswept arm (6")
WB-AREA-XX <sup>1</sup>	Wall bracket
TPLB-XX <sup>1</sup>	Twin parallel luminaire bracket
MAF-CL-XX <sup>3</sup>	Horizontal mast arm fitter for 2 3/8" OD arm. Mounts to standard 6" arm (ordered with fixture)

- 1 - Replace XX with color choice, eg.: DB for Dark Bronze  
2 - When ordering poles, specify Pole Drill Pattern #2  
3 - Fixture must include standard 6" arm



#2 DRILL PATTERN FOR POLES



MAF - HORIZONTAL MAST ARM FITTER

Catalog Number	Description
SCP-REMOTE <sup>9</sup>	Remote control for SCP option. Order at least one per project to program and control.
SWUSB <sup>*</sup>	SiteSync interface software loaded on USB flash drive for use with owner supplied PC (Windows based only). Includes SiteSync license, software and USB radio bridge node.
SWTAB <sup>*</sup>	Windows tablet and SiteSync interface software. Includes tablet with preloaded software, SiteSync license and USB radio bridge node.
SWBRG <sup>+</sup>	SiteSync USB radio bridge node only. Order if a replacement is required or if an extra bridge node is requested.
93052458	20KA surge protection with an end of life LED indicator

- \* When ordering SiteSync at least one of these two interface options must be ordered per project.  
+ If needed, an additional Bridge Node can be ordered.

## MOUNTING ACCESSORIES

Catalog Number	Description
ARM-CL-K-TA-XX <sup>1</sup>	Adjustable mounting arm for single fixture (2-3/8 tenon) – 5 lbs. 2.3 kgs.
ARM-CL-TK-TA-XX <sup>1</sup>	Adjustable mounting arm for two fixtures at 180° (2-3/8 tenon) – 7 lbs. 3.2 kgs.
ARM-CL-K-S-XX <sup>1</sup>	10" adjustable arm – .5 lbs. .05 kgs. – 5.75 lbs. 2.6 kgs.

1 Replace XX with color choice, eg.: DB for Dark Bronze  
2 Fixture must include standard 6" straight arm

ARM-CL-K-TA-XX  
ARM-CL-TK-TA-XX



ARM-CL-K-S-XX



## TENON TOP POLE BRACKET ACCESSORIES

(2 3/8" OD tenon) (RSS version requires 4" round pole adapter)

Catalog Number	Description
SETA2-XX <sup>1</sup>	Square pole tenon adapter (4 at 90 degrees)
RETA2-XX <sup>1</sup>	Round pole tenon adapter (4 at 90 degrees)
TETA-XX <sup>1</sup>	Hexagonal pole tenon adapter (3 at 120 degrees)

1 Replace XX with color choice, eg.: DB for Dark Bronze

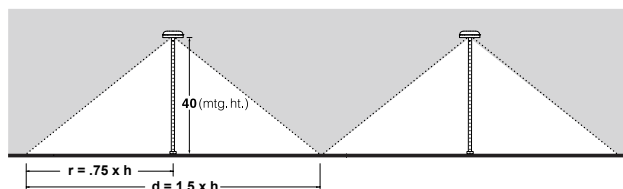
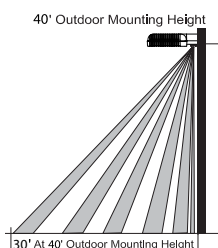
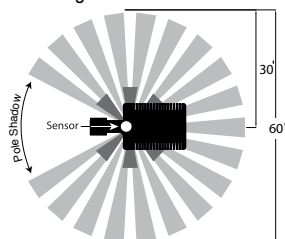
## PHOTOCONTROL EQUIPMENT

Catalog Number	Description
PTL-1	Photocontrol - twist-lock cell (120V)
PTL-8	Photocontrol - twist-lock cell (120-277V)
PTL-5	Photocontrol - twist-lock cell (480V)
PTL-6	Photocontrol - twist-lock cell (347V)
PSC	Shorting cap - twist-lock

## MOTION CONTROLS

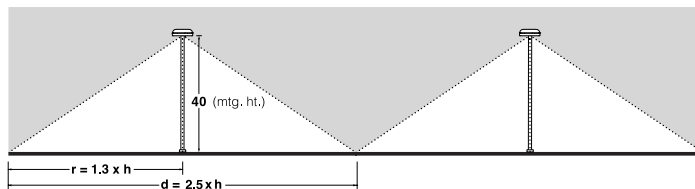
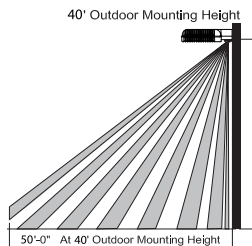
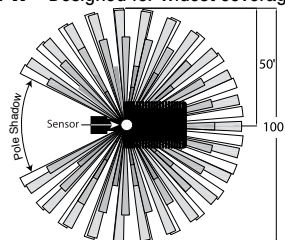
- Start up delay from initial motion detection to fixture illumination is approximately 1-2 seconds
- Vehicle detection is possible however less reliable than human detection; Vehicle detection is dependent upon the following: rate of speed, mounting height of luminaire and vehicle temperature

**SCP** - Designed for intermediate coverage area



Note: Extreme heat or cold temperatures may limit detection.

**SCPW** - Designed for widest coverage area



Note: Extreme heat or cold temperatures may limit detection.

## SURGE PROTECTION

- Field replaceable surge protection device (SPD) provides 20KA and 10KV protection meeting ANSI/IEEE C62.41.2 Category C High and Surge Location Category C3
- The SPD is designed with a clamping voltage of 1600V at 20KA using industry standard 8/20μs waveform
- Max surge current = 20,000 Amps (see table)
- LED Indicator – Green LED is unlit at end of life

Pulse Rating (8 x 20 μSec)	
Strikes	Surge
1	20,000 A
2	15,000 A
15	10,000 A
120	3,000 A

	cRUus	CE
I <sub>n</sub>	10KA	5KA