

# Cimarron LED

HIGH PERFORMANCE LED AREA/SITE LIGHTER

## FEATURES

- A unique vertically-finned die-cast housing that optimizes heat transfer to keep the fixture cool and maximize component life
- Mounting versatility with choice of traditional straight, architectural upswept die-cast aluminum or mast arm fitter designs
- Optional vandal resistant guard provides additional protection when necessary
- 20kA surge protection with an end of life LED indicator
- Maintenance free housing designed to IP65 and 60,000 hours life



## RELATED PRODUCTS

<a href="#">Cimarron CL1S</a>	<a href="#">RAR1 Ratio</a>	<a href="#">RAR2 Ratio</a>
<a href="#">Arceos™ ARA3</a>	<a href="#">Airo</a>	<a href="#">Viper</a>

## SPECIFICATIONS

### HOUSING

- 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
- One piece die cut silicone gasket ensures weather proof seal around each individual LED for IP65 rating
- Separate optical and electrical compartment for optimum component operation
- 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
- Suitable for applications requiring 3G testing prescribed by ANSI C136.31
- TGIC thermoset polyester powder paint finish applied at nominal 2.5 mil thickness

### OPTICS

- Choice of 30, 60 or 90 high brightness LED with individual acrylic lenses specially designed for IES Type II, III, IV and V distributions

### OPTICS (CONTINUED)

- Auto optics designed for front row 1A and interior rows 2A
- CCT: 3000K (70 CRI), 4000K (70 CRI), 5000K (70 CRI), and turtle friendly Amber LED options

### 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

### ELECTRICAL

- Drivers have greater than 90% power factor and less than 10% THD
- LED drivers have output power over-voltage, over-current protection and short circuit protection with auto recovery
- Optional continuous dimming to 10% or dual circuitry available
- Universal input voltage 120-277 VAC, 50/60 Hz
- Surge protection – 20KA; Turns fixture off at end of life; Has LED for end of life indication

### OPTIONS/CONTROLS

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

### CERTIFICATIONS

- DesignLights Consortium® (DLC) qualified. Please refer to the DLC website for specific product qualifications at [www.designlights.org](http://www.designlights.org)
- Listed to UL1598 and CSA C22.2#250.024 for wet locations
- IDA approved
- IP65

### WARRANTY

- 5 year limited warranty
- See [HLI Standard Warranty](#) for additional information

KEY DATA	
Lumen Range	6,500–30,000
Wattage Range	70–350w
Efficacy Range (LPW)	73–122
Fixture Projected Life (Hours)	60K
Weights lbs. (kg)	45 (20.4)

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## ORDERING GUIDE

Example: CL1-A-90LU-5K-3-DB-RPA3

CATALOG #

### ORDERING INFORMATION

CL1						
Series	Mounting	No. of LEDs	Voltage	CCT	Distribution	Drive Current
CL1 Cimarron LED	<b>A</b> Arm mount <b>AD</b> Decorative arm mount <b>MAF</b> Mast arm fitter	<b>90L</b> 90 High brightness LEDs <b>60L</b> 60 High brightness LEDs <b>30L</b> 30 High brightness LEDs	<b>U</b> <sup>1</sup> 120-277, 50/60 Hz <b>1</b> 120 <b>2</b> 208 <b>3</b> 240 <b>4</b> 277 <b>5</b> 480, 60 Hz <b>F</b> 347, 60 Hz <b>E</b> <sup>4</sup> 220, 50 Hz	<b>3K</b> 3000K <b>4K</b> 4000K <b>5K</b> 5000K <b>AM</b> <sup>4</sup> Amber, 590 nm available	<b>2</b> Type II <b>3</b> Type III <b>4</b> Type IV <b>5M</b> V Medium <b>5S</b> V Short <b>5W</b> V Wide <b>L</b> Optic Rotation Left <b>R</b> Optic Rotation Right	<b>Blank</b> 700mA <b>035</b> 350mA Amber CCT only <b>105</b> 1050mA

### ORDERING INFORMATION CONTINUED

Color	Options
<b>DB</b> Dark Bronze	<b>BC</b> <sup>3</sup> Backlight control
<b>BL</b> Black	<b>CD</b> Continuous dimming
<b>WH</b> White	<b>WB</b> <sup>6</sup> Wall Bracket
<b>BR</b> Gray	<b>RPA3</b> <sup>6</sup> 3" Round pole adapter
<b>PS</b> Platinum Silver	<b>RPA4</b> <sup>6</sup> 4" Round pole adapter
<b>CC</b> Custom Color	<b>RPA5</b> <sup>6,12</sup> 5" Round pole adapter
	<b>RPA6</b> <sup>6,12</sup> 6" Round pole adapter
	<b>F(X)</b> <sup>2</sup> Fusing (replace X with voltage: 1-120, 2-208, 3-240, 4-277, 5-480, F-347)
	<b>VG</b> Vandal guard

## CONTROLS

### Control Options

#### Standalone

<b>7PR</b>	Photocell receptacle
<b>SCO_F</b>	On/Off control <sup>6,7,9</sup>
<b>SCL_F</b>	Add-on occupancy sensor for use with ext. wireless control device connected thru 7PR receptacle <sup>6,7,9</sup>
<b>SCP_F</b>	Programmable Occupancy Sensor w/ daylight control <sup>9,13,14</sup>
<b>SWP</b>	SiteSync Pre-Commission <sup>5,6,7,9</sup>
<b>SWPM</b>	SiteSync Pre-Commssion w/ Sensor <sup>9,10,11</sup>

#### Networked – Wireless

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

#### Notes:

- Fuse option not available with universal voltage
- Select F3 fusing option for 220V
- Recommended for Type III and IV distributions only
- Available in 350mA drive current only Type IV, 5M
- 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)
- Not available with AD arm
- Not available with WIR or WIRSC
- Not available with SCO, SCL, or SCP
- Specify mounting height; 8 = 8' or less, 40 = 9' to 40'
- Specify group and zone. See SiteSync product page [www.hubbellighting.com/controls/SiteSync](http://www.hubbellighting.com/controls/SiteSync) for more details
- Not available in 90L-700mA or 1050mA versions
- Not available with AD decorative arm
- Not available with other wireless control or sensor options
- Order at least one SCP-REMOTE per project location to program and control the occupancy sensor

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## ORDERING GUIDE

### ACCESSORIES AND SERVICES (ORDERED SEPARATELY)

Catalog #	Description
SCP-REMOTE	Remote Control for SCP/_F option. Order at least one per project to program and control the occupancy sensor
SWUSB <sup>1</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>1</sup>	SiteSync USB radio bridge node only. Order if a replacement is required or if an extra bridge node is requested.
SWBRG	SiteSync USB radio bridge node only. Order if a replacement is required or if an extra bridge node is requested.
SW7PR <sup>2</sup>	SiteSync 7 Pin on fixture module On/Off/Dim, Daylight Sensor 120-480VAC
93052458	20KA surge protection with an end of life LED indicator

Notes:

- When ordering SiteSync at least one of these two interface options must be ordered per project.
- Available as a SiteSync retrofit solution for fixtures with an existing 7pin receptacle.

### ACCESSORIES: CONTROL SOLUTIONS (ORDERED SEPARATELY)

Catalog #	Description	HCS System
NXOFM-1R1D-UNV	On-fixture Module (7-pin), On / Off / Dim, Daylight Sensor with HubbNET Radio and Bluetooth® Radio, 120-480VAC	NX Distributed Intelligence™
WIR-RME-L	On-fixture Module (7-pin or 5-pin), On / Off / Dim, Daylight Sensor with wiSCAPE Radio, 110-480VAC	wiSCAPE® Lighting Control

Notes:

For additional information related to these accessories please visit [www.hubbellcontrolsolutions.com](http://www.hubbellcontrolsolutions.com). Options provided for use with integrated sensor, please view specification sheet ordering information table for details

### ACCESSORIES: REPLACEMENT PARTS (ORDERED SEPARATELY)

Catalog #	Description
CR-RPA3-XX <sup>1</sup>	Round pole adapter for straight arm (314 - 334")
CR-RPA4-XX <sup>1</sup>	Round pole adapter for straight arm (378 - 412")
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")
WB-AREA-XX <sup>1</sup>	Wall bracket, Compatible with standard arm mount option
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)

Notes:

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

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## MOUNTING ACCESSORIES

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

Notes:

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

## TENON TOP POLE BRACKET ACCESSORIES

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

Notes:

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

## PHOTOCONTROL EQUIPMENT

Catalog #	Description
<b>PTL-1</b>	Photocontrol - twist-lock cell (120V)
<b>PTL-8</b>	Photocontrol - twist-lock cell (120-277V)
<b>PTL-5</b>	Photocontrol - twist-lock cell (480V)
<b>PTL-6</b>	Photocontrol - twist-lock cell (347V)
<b>PSC</b>	Shorting cap - twist-lock



DATE:	LOCATION:
TYPE:	PROJECT:
CATALOG #:	

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## ENERGY SAVING DATA

# of LEDs	Drive Current	System Watts		Dist. Type	5K (5000K NOMINAL 70 CRI)					4K (4000K NOMINAL 70 CRI)					3K (3000K NOMINAL 80 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	700mA	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
60	700mA	135W	150W	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
				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
60	1050mA	220W	235W	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
				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
90	700mA	205W	225W	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
				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
90	1050mA	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



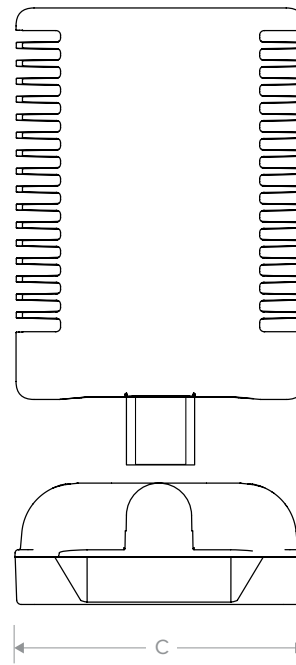
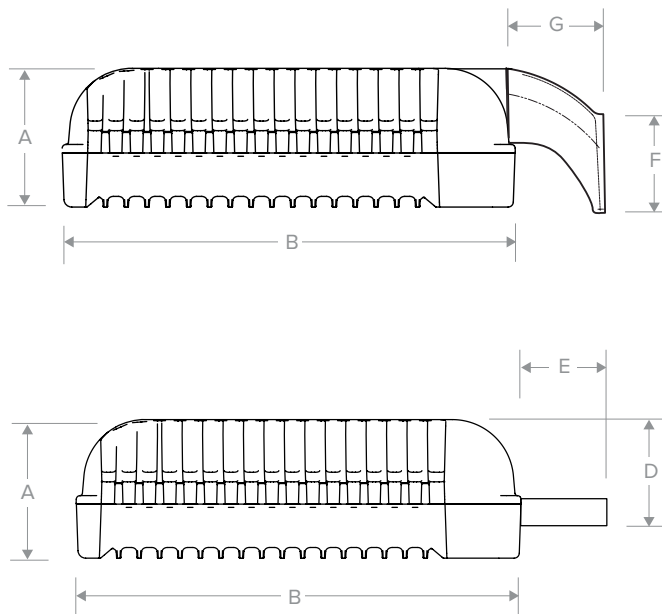
# Cimarron LED

HIGH PERFORMANCE LED AREA/SITE LIGHTER

## ENERGY SAVING DATA

# of LEDs	Drive Current	System Watts	Amber			
		120-277V	Lumens	B	U	G
60	350mA	135W	2488	0	0	1
			2533	2	0	1
90	350mA	205W	3558	1	0	1
			3596	2	0	1

## DIMENSIONS



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

DATE:	LOCATION:
TYPE:	PROJECT:
CATALOG #:	



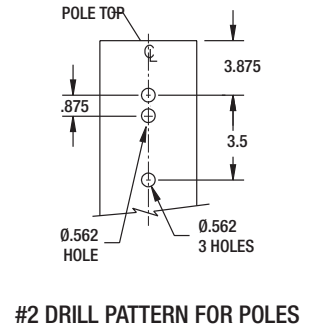
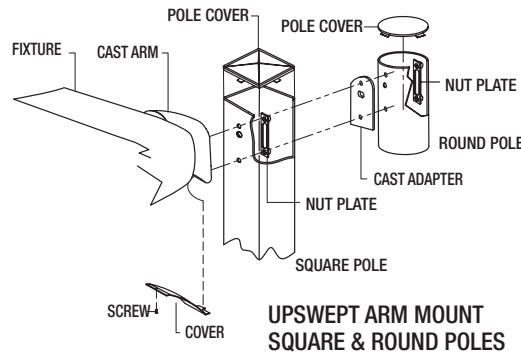
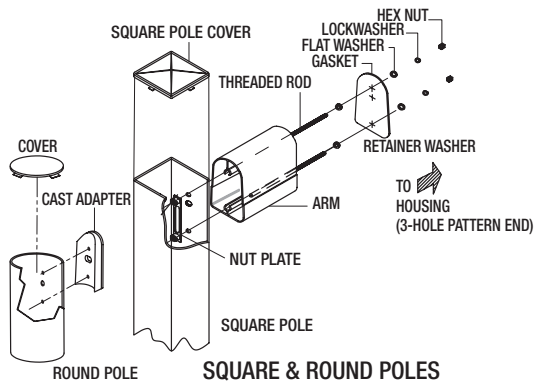
# Cimarron LED

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## ADDITIONAL INFORMATION

### ACCESSORIES AND SERVICES

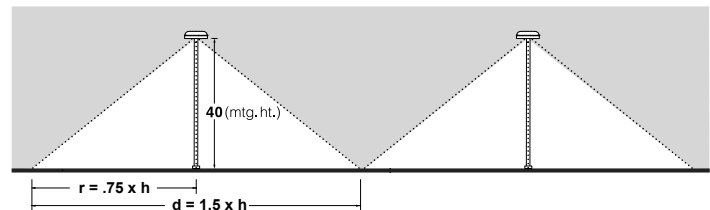
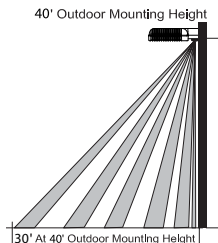
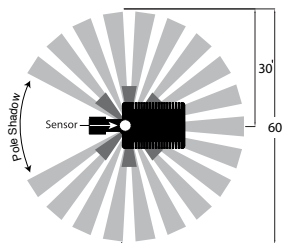
#### MAF – HORIZONTAL MAST ARM FITTER



## MOTION CONTROLS

SCP - Designed for intermediate coverage area

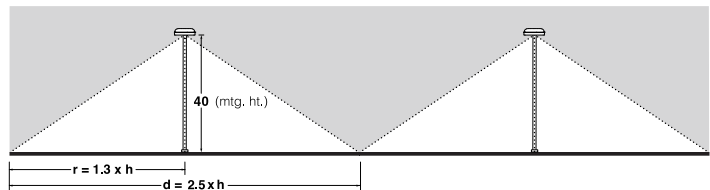
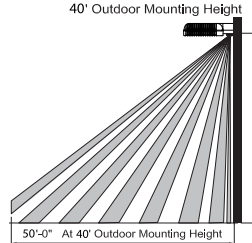
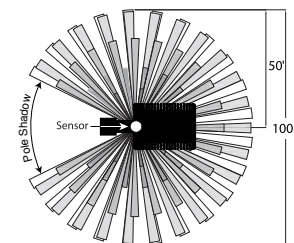
- Start up delay from initial motion detection to fixture illumination is approximately 1-2 seconds



- 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

Note: Extreme heat or cold temperatures may limit detection.

SPW - Designed for widest coverage area



Note: Extreme heat or cold temperatures may limit detection.

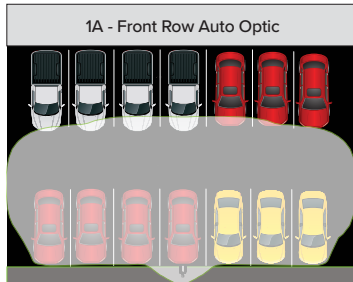
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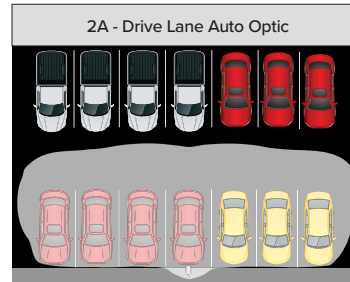
## ADDITIONAL INFORMATION

### AUTOMOTIVE DEALERSHIP OPTICS

Automotive Dealership applications Hubbell Outdoor 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)



- Maximum illumination on front row display
- Maximum pole spacing



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

### SURGE PROTECTION

Surge Protection (8x20 $\mu$ Sec)	
Strikes	Surge
1	20,000A
2	15,000A
15	10,000A
120	3,000A

	cRUus	CE
$I_n$	10KA	5KA

- 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 8/20 $\mu$ s waveform
- Max surge current = 20,000 Amps (see table)
- LED Indicator – Green LED is unlit at end of life