



# SCA-LED

Correctional Behavioral Health LED Corner/Wall

## PRODUCT SPECIFICATION

The SCA series is designed for use in all levels of correctional facilities, behavioral health units, and high abuse applications. Anti-ligature for patient safety.

### Mounting

Surface mounts to corner or wall.

### Housing

Die-formed cold rolled steel with seams welded and ground smooth. 304 Stainless steel available.

### Door

One piece, die-formed cold rolled steel door with 14 gauge lens retainers and a full length welded pin piano hinge. 304 Stainless steel available.

### Internal Lens

Optic Plus lens (standard) completely hides diode image while providing greater than 90% light transmission.

### Finish

Polyester powder-coated after phosphate pretreatment for superior adhesion and corrosion resistance. Brushed stainless steel available.

### Hardware

Recessed, stainless steel, tamper-proof fasteners.

### Driver

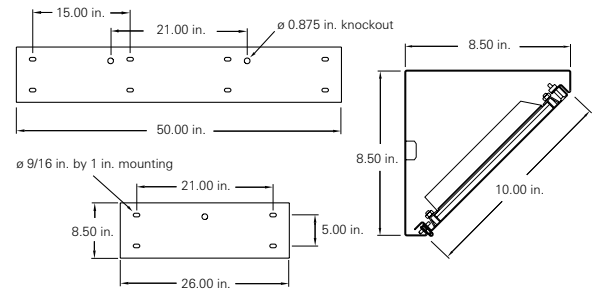
0-10Vdc 1% dimming, >0.9 PF, <20% THD  
Factory programmable, Operating temp -40°C Min. to 50°C Max

### Wiring

Driver provided with pre-wired 3-wire self-aligning input power quick disconnect and 2-wire quick disconnect to LED module.

### Certifications

UL Listed damp or wet location.  
IP54 rated. Covered ceilings only.



one	two	three	four	five	six	seven	eight	nine	ten	eleven	twelve	thirteen	fourteen	fifteen	sixteen
SCA	-	-	/	-	-	-	-	DM	-	/	-	D	-	-	-
<b>one</b>	<b>Luminaire Size</b>						<b>eight</b>	<b>Voltage</b>				<b>thirteen</b>	<b>Mounting Holes</b>		
2	2 ft fixture						VAR	Variable, 120-277 V, 50/60Hz				D	Corner (top and back)		
4	4 ft fixture						347	347VAC, 60Hz				W	Wall (back only)		
<b>two</b>	<b>LED Source</b>						<b>nine</b>	<b>Driver</b>				<b>fourteen</b>	<b>Electrical access</b>		
	Refer to the LED Source Table on Page 2 for available options.						DM	0-10Vdc Dimming, <u>standard</u>				A	2.250 in. diameter access hole		
							<b>ten</b>	<b>Internal Lens</b>				K	0.875 in. diameter knockout(s), <u>standard</u>		
<b>three</b>	<b>Color Temperature</b>						122	Optic Plus LED diffusing acrylic, <u>standard</u>				<b>fifteen</b>	<b>UL Listing</b>		
30	3000K						130	.125 in. LED diffusing Lexan				D	Damp Location		
35	3500K						53	.125 in. K12 prismatic acrylic				W	Wet Location		
40	4000K						12	.125 in K12 prismatic polycarbonate				<b>sixteen</b>	<b>Options</b>		
50	5000K						15	.156 in. K12 prismatic polycarbonate				2C	Two-circuit wired		
<b>four</b>	<b>CRI</b>						16	.187 in. K12 prismatic polycarbonate				CU	Canadian UL Listing		
80	80 CRI						<b>eleven</b>	<b>External lens</b>				EM	Emergency battery backup		
90	90 CRI						30	.187 in. clear polycarbonate				FH	Fuse and holder		
<b>five</b>	<b>Material gauge</b>						32	.250 in. clear polycarbonate				NL-LED	Night light, LED (Amber available) <i>5-100% Adjustability</i>		
N	18 gauge, minimum security						36	.375 in. clear polycarbonate				IMS	Integral Occ Sensor		
D	16 gauge, medium security						38	.500 in. clear polycarbonate				PS	Security push on/off switch		
X	14 gauge, maximum security						90	.187 in. clear tempered glass							
<b>six</b>	<b>Material</b>						92	.250 in. clear tempered glass							
C	Cold rolled steel						96	.375 in. clear tempered glass							
S	Stainless steel						<b>twelve</b>	<b>Door fasteners</b>							
<b>seven</b>	<b>Finish</b>						AP	Stainless steel allen head with pin							
R	Brushed (stainless steel only)						TP	Stainless steel torx head with pin							
W	White						PH	Phillips head, non-security							

Modifications are available to meet custom requirements. Specifications and dimensions are subject to change without notice.

		CRI		LED Life					
		>80		>100,000					
LED Source (Box 2)	3000K		3500K		4000K		5000K		Input Watts
	Delivered Lumens	L/W	Delivered Lumens	L/W	Delivered Lumens	L/W	Delivered Lumens	L/W	
<b>2' Fixture</b>									
1W22	2150	93	2183	95	2247	98	2310	100	23.0
2W41	3953	100	4013	101	4131	104	4247	107	39.6
2W55	5292	97	5372	98	5530	101	5685	104	54.8
<b>4' Fixture</b>									
1W22	2236	100	2269	102	2336	105	2401	108	22.3
1W41	3953	100	4013	101	4131	104	4247	107	39.6
1W55	5292	97	5372	98	5530	101	5685	104	54.8
2W82	7908	100	8027	101	8263	104	8494	107	79.3
2W96	9279	99	9419	101	9696	103	9967	106	93.7
2W110	10583	97	10743	98	11059	101	11369	104	109.6

Delivered lumen output calculated using 122 inner lens and 32 (.250" Clear Polycarbonate) outer lens (Highlighted below).

Lens Multiplier - Use the multipliers below to adjust the delivered lumens									
Internal Lens					External Lens				
53	.125 in. K12 prismatic acrylic			1.00	30	.187" Clear polycarbonate			1.02
12	.125 in K12 prismatic polycarbonate			.98	32	.250" Clear Polycarbonate			1.00
15	.156 in. K12 prismatic polycarbonate			.97	36	.375" Clear polycarbonate			.96
16	.187 in. K12 prismatic polycarbonate			.95	38	.500" Clear polycarbonate			.92
122	Optic Plus diffusing acrylic			1.00	90	.187" Clear tempered glass			1.04
<b>90 CRI Multiplier</b>		<b>.83</b>			92	.250" Clear tempered glass			1.03
					96	.375" Clear tempered glass			.99

## Specified Output Option

L.C. Doane programmable drivers allows us to deliver a specific lumen output. If none of the options in the chart above fit your application, let us know the desired lumen output and we will do the rest. See the example how this will be specified.

### Example Model:

SCA-**XX**<sup>1</sup>SO-40/80-DCW-VARDM-122/32-(**XX**<sup>2</sup>/LUMENS)

**LUMENS** = You provide the lumens.

**XX**<sup>1</sup> = We will determine the number of rows.

**XX**<sup>2</sup> = We will provide the wattage information.