

# 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.

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

#### Hardware

Recessed, stainless steel, tamper-proof fasteners.

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

#### Wiring

W

White

PΗ

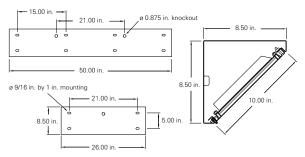
Driver provided with pre-wired 3-wire self-aligning input power quick disconnect and 2-wire quick disconnect to LED module.

#### Certifications

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



















SCA	e two three four fiv	e six seven	eight nine ten eleven twel	ve thirteen fourt	een fifteen sixteen	
one 2 4	Luminaire Size 2 ft fixture 4 ft fixture	eight VAR 347	<b>Voltage</b> Variable, 120-277 V, 50/60Hz 347VAC, 60Hz	thirteen D W	Mounting Holes Corner (top and back) Wall (back only)	
two	<b>LED Source</b> Refer to the LED Source Table on Page 2 for available options.	nine DM ten	Driver 0-10Vdc Dimming, <u>standard</u> Internal Lens	fourteen A K	Electrical access 2.250 in. diameter access hole 0.875 in. diameter knockout(s), standard	
<b>three</b> 30 35	Color Temperature 3000K 3500K	122 130 53	Optic Plus LED diffusing acrylic, <u>standard</u> .125 in. LED diffusing Lexan .125 in. K12 prismatic acrylic	fifteen D W	UL Listing Damp Location Wet Location	
40 50 <b>four</b>	4000K 5000K CRI	12 15 16	.125 in K12 prismatic polycarbonate .156 in. K12 prismatic polycarbonate .187 in. K12 prismatic polycarbonate	sixteen 2C CU	Options Two-circuit wired Canadian UL Listing	
80 90	80 80 CRI 90 90 CRI		.156 in. C73 prismatic tempered glass  External lens .187 in. clear polycarbonate	EM FH NL-LED	Emergency battery backup Fuse and holder Night light, LED (Amber available)	
five N D X	Material gauge 18 gauge, minimum security 16 gauge, medium security 14 gauge, maximum security	30 32 36 38 90	<ul><li>.250 in. clear polycarbonate</li><li>.375 in. clear polycarbonate</li><li>.500 in. clear polycarbonate</li></ul>	IMS PS	5-100% Adjustability Integral Occ Sensor Security push on/off switch	
six C	Material Cold rolled steel	92 96	.250 in. clear tempered glass .375 in. clear tempered glass			
seven R	Stainless steel Finish Brushed (stainless steel only)	twelve AP TP	Door fasteners Stainless steel allen head with pin Stainless steel torx head with pin			

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

Phillips head, non-security

CRI	LED Life
>80	>100,000

LED	3000К		3500K		4000K		5000K		
Source (Box 2)	Delivered Lumens	L/W	Delivered Lumens	L/W	Delivered Lumens	L/W	Delivered Lumens	L/W	Input Watts
2' Fixture									
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
4' Fixture									
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							
	Inte	ernal Lens		External Lens				
53	.125 in. K12 prismatic acı	rylic	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		
75	.156 in. C73 prismatic tempered glass		.97	90	.187" Clear tempered glass	1.04		
122	Optic Plus diffusing acrylic		1.00	92	.250" Clear tempered glass	1.03		
9	90 CRI Multiplier .83			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.

 $XX^1$  = We will determine the number of rows.

 $XX^2$  = We will provide the wattage information.