

Correctional Behavioral Health LED Corner/Wall

PRODUCT SPECIFICATION

The SC 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.

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.

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.

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

Wiring

SC

W

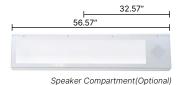
White

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

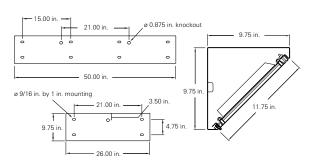
Certifications

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



















sixteen

one	two	three	four	five	six seven	eight	nine	ten	eleven	twelve thirtee	n fourteen fifteen	
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one 2 4	Luminaire Size 2 ft fixture 4 ft fixture	eight VAR 347	Voltage Variable, 120-277 V, 50/60Hz 347VAC, 60Hz	thirteen D W	Mounting Holes Corner (top and back) Wall (back only)
two	LED Source Refer to the LED Source Table on Page 2 for available options.	nine DM	Driver 0-10Vdc Dimming, standard Internal Lens	А	Electrical access 2.250 in. diameter access hole 0.875 in. diameter knockout(s), standard
three 30 35	Color Temperature 3000K 3500K	ten 122 130 53	Optic Plus LED diffusing acrylic, standard .125 in. LED diffusing Lexan .125 in. K12 prismatic acrylic	fifteen D W	UL Listing Damp Location Wet Location
40 50 four	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 CRI 90 CRI	75	.156 in. C73 prismatic tempered glass External lens	EM FH	Emergency battery backup Fuse and holder
five	Material gauge	30	.187 in. clear polycarbonate	NL-LED	Night light, LED (Amber available) 5-100% Adjustability
N D	18 gauge, minimum security 16 gauge, medium security	32 36	.250 in. clear polycarbonate .375 in. clear polycarbonate	IMS PS	Integral Occ Sensor Security push on/off switch
Х	14 gauge, maximum security	38 90	.500 in. clear polycarbonate .187 in. clear tempered glass	SPK	Speaker compartment
six	Material	92	.250 in. clear tempered glass		
C S	Cold rolled steel Stainless steel	96	.375 in. clear tempered glass		
seven	Finish	twelve AP	Door fasteners Stainless steel allen head with pin		
R	Brushed (stainless steel only)	TP	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

PΗ

CRI	LED Life
>80	>100,000

LED	3000К		3500K		4000	K	5000К					
Source (Box 2)	Delivered Lumens	L/W	Delivered Lumens	L/W	Delivered Lumens	L/W	Delivered Lumens	L/W	Input Watts			
				2' Fix	ture							
1W24	2378	103	2414	105	2485	108	2555	111	23.0			
2W45	4372	110	4437	112	4568	115	4696	119	39.6			
2W60	5851	107	5939	108	6114	112	6285	115	54.8			
	4' Fixture											
1W25	2422	109	2459	110	2531	113	2602	117	22.3			
1W45	4285	108	4350	110	4478	113	4603	116	39.6			
1W60	5735	105	5822	106	5993	109	6161	112	54.8			
2W80	7801	109	7918	111	8151	114	8379	117	71.5			
2W105	10057	107	10208	109	10509	112	10803	115	93.7			
2W120	11472	105	11644	106	11987	109	12323	112	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 acr	1.00	30	.187" Clear polycarbonate	1.02					
12	.125 in K12 prismatic poly	ycarbonate	.98	32	.250" Clear Polycarbonate	1.00				
15	.156 in. K12 prismatic pol	lycarbonate	.97	36	.375" Clear polycarbonate	.96				
16	.187 in. K12 prismatic pol	ycarbonate	.95	38	.500" Clear polycarbonate	.92				
75	.156 in. C73 prismatic ter	mpered glass	.97	90	.187" Clear tempered glass	1.04				
122	Optic Plus diffusing acry	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:

SC-XX1SO-40/80-DCW-VARDM-122/32-(XX2/LUMENS)

LUMENS = You provide the lumens.

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

 XX^2 = We will provide the wattage information.