



SCB-LED

Correctional Behavioral Health LED Corner / Wall

PRODUCT SPECIFICATION

The SCB 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.
Constructed to pass MIL-S-901 Grade A, Type A, High Impact Shock Test and MIL-S-167 Type 1, Vibration Test

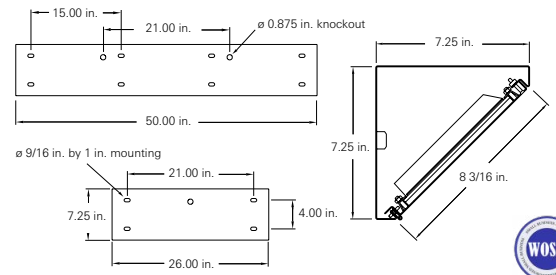


Job Name _____

Fixture Type _____

Catalog No. _____

Approval _____ Date _____



one	two	three	four	five	six	seven	eight	nine	ten	eleven	twelve	thirteen	fourteen	fifteen	sixteen
SCB	-	-	/	-	-	-	-	DM	-	/	-	D	-	-	-

one	Luminaire Size	eight	Voltage	thirteen	Mounting Holes
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)
two	LED Source	nine	Driver	fourteen	Electrical access
	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
three	Color Temperature	ten	Internal Lens	K	0.875 in. diameter knockout(s), <u>standard</u>
30	3000K	122	Optic Plus LED diffusing acrylic, <u>standard</u>	fifteen	UL Listing
35	3500K	130	.125 in. LED diffusing Lexan	D	Damp Location
40	4000K	53	.125 in. K12 prismatic acrylic	W	Wet Location
50	5000K	12	.125 in K12 prismatic polycarbonate	sixteen	Options
four	CRI	15	.156 in. K12 prismatic polycarbonate	2C	Two-circuit wired
80	80 CRI	16	.187 in. K12 prismatic polycarbonate	CU	Canadian UL Listing
90	90 CRI	75	.156 in. C73 prismatic tempered glass	EM	Emergency battery backup
five	Material gauge	eleven	External lens	FH	Fuse and holder
N	18 gauge, minimum security	30	.187 in. clear polycarbonate	NL-LED	Night light, LED (Amber available) 5-100% Adjustability
D	16 gauge, medium security	32	.250 in. clear polycarbonate	IMS	Integral Occ Sensor
X	14 gauge, maximum security	36	.375 in. clear polycarbonate	PS	Security push on/off switch
six	Material	38	.500 in. clear polycarbonate		
C	Cold rolled steel	90	.187 in. clear tempered glass		
S	Stainless steel	92	.250 in. clear tempered glass		
seven	Finish	96	.375 in. clear tempered glass		
R	Brushed (stainless steel only)	twelve	Door fasteners		
W	White	AP	Stainless steel allen head with pin		
		TP	Stainless steel torx head with pin		
		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	
1' x 2' Fixture									
1W24	2351	102	2386	104	2457	107	2527	110	23.0
2W45	4323	109	4388	111	4517	114	4646	117	39.6
2W60	5786	106	5873	107	6045	110	6218	113	54.8
1' x 4' Fixture									
1W25	2506	112	2544	114	2553	114	2626	118	22.3
1W45	4323	109	4388	111	4517	114	4646	117	39.6
1W60	5786	106	5873	107	6045	110	6218	113	54.8
2W90	8646	109	8775	111	9033	114	9291	117	79.3
2W106	10146	108	10297	110	10600	113	10903	116	93.7
2W120	11572	106	11745	107	12091	110	12436	113	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
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
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:

SCB-**XX**¹SO-40/80-DCW-VARDM-122/32-(**XX**²/LUMENS)

LUMENS = You provide the lumens.

XX¹ = We will determine the number of rows.

XX² = We will provide the wattage information.