



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

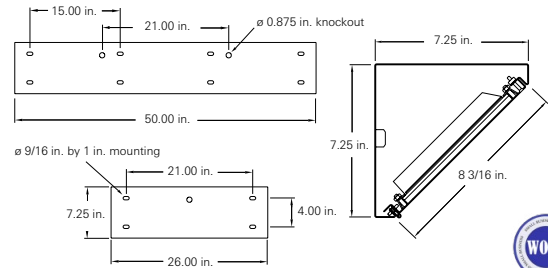


Job Name _____

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

- 2 2 ft fixture
- 4 4 ft fixture

two LED Source

Refer to the LED Source Table on Page 2 for available options.

three Color Temperature

- 30 3000K
- 35 3500K
- 40 4000K
- 50 5000K

four CRI

- 80 80 CRI
- 90 90 CRI

five Material gauge

- N 18 gauge, minimum security
- D 16 gauge, medium security
- X 14 gauge, maximum security

six Material

- C Cold rolled steel
- S Stainless steel

seven Finish

- R Brushed (stainless steel only)
- W White

eight Voltage

- VAR Variable, 120-277 V, 50/60Hz
- 347 347VAC, 60Hz

nine Driver

- DM 0-10Vdc Dimming, standard

ten Internal Lens

- 122 Optic Plus LED diffusing acrylic, standard
- 130 .125 in. LED diffusing Lexan
- 53 .125 in. K12 prismatic acrylic
- 12 .125 in K12 prismatic polycarbonate
- 15 .156 in. K12 prismatic polycarbonate
- 16 .187 in. K12 prismatic polycarbonate

eleven External lens

- 30 .187 in. clear polycarbonate
- 32 .250 in. clear polycarbonate
- 36 .375 in. clear polycarbonate
- 38 .500 in. clear polycarbonate
- 90 .187 in. clear tempered glass
- 92 .250 in. clear tempered glass
- 96 .375 in. clear tempered glass

twelve Door fasteners

- AP Stainless steel allen head with pin
- TP Stainless steel torx head with pin
- PH Phillips head, non-security

thirteen Mounting Holes

- D Corner (top and back)
- W Wall (back only)

fourteen Electrical access

- A 2.250 in. diameter access hole TOP
- B 2.250 in. diameter access hole BACK
- K 0.875 in. diameter knockout(s), standard

fifteen UL Listing

- D Damp Location
- W Wet Location

sixteen Options

- 2C Two-circuit wired
- CU Canadian UL Listing
- EM Emergency battery backup
- FH Fuse and holder
- NL-LED Night light, LED (Amber available)
5-100% Adjustability
- IMS Integral Occ Sensor
- PS Security push on/off switch

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
122	Optic Plus diffusing acrylic			1.00	90	.187" Clear tempered glass			1.04
90 CRI Multiplier		.83			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:

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

LUMENS = You provide the lumens.

XX¹ = We will determine the number of rows.

XX² = We will provide the wattage information.