SC-LED

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.

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
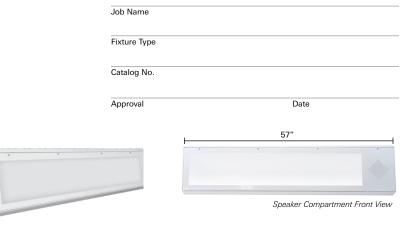Recessed, stainless steel, tamper-proof fasteners.

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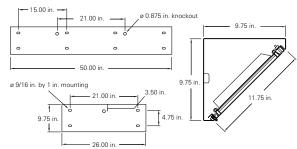Factory programmable, Operating temp -40°C Min. to 50°C Max

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.

Job Name

Fixture Type

Catalog No.

Approval	Date

Speaker Compartment Front View

57"

15.00 in.
21.00 in.
ø 0.875 in. knockout
9.75 in.
50.00 in.
ø 9/16 in. by 1 in. mounting
9.75 in.
9.75 in.
21.00 in.
3.50 in.
4.75 in.
11.75 in.
26.00 in.

FIVE YEAR WARRANTY   IP54 RATED   W WET   c(UL)us   MADE IN USA

	one	two	three	four	five	six	seven	eight	nine	ten	eleven	twelve	thirteen	fourteen	fifteen		sixteen
SC	-	-	/	-		-		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
75   .156 in. C73 prismatic tempered glass

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
D   Corner mount

fourteen   Electrical access
A   2.250 in. diameter access hole
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
SPK   Speaker compartment
WM   Wall mount (No top holes)

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	
2' Fixture									
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						
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		.86		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-**XX**[1]SO-40/80-DCW-VARDM-122/32-(**XX**[2]/**LUMENS**)
LUMENS = You provide the lumens.
XX[1] = We will determine the number of rows.
XX[2] = We will provide the wattage information.

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