

Correctional

Behavioral Health

LED

Surface Mount

PRODUCT SPECIFICATION

The SJ series is designed for wall mount direct / indirect lighting in behavioral health units; and medium, maximum, and, super

max correctional detention facility cells. Anti-ligature for patient safety.

Mounting

Surface-mounts to wall.

Clamshell Housing

One piece, die-formed cold rolled steel with seams welded and ground smooth, 14 gauge lens retainers and a full length, welded pin piano hinge. 304 Stainless steel available.

Back Plate

16 gauge die-formed cold rolled steel with embossed mounting holes to create a contraband drop slot / irretrievable blade trap.

Internal Lens

Optic Plus lens (standard) completely hides diode image while providing minimum 95% 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

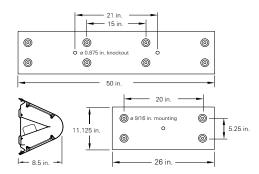
Driver provided with pre-wired 3-wire self-aligning input power quick disconnect and 2-wire quick disconnect to LED module.

Certifications

UL Listed damp or wet location. IP34 rated. Covered ceilings only. Included in NYS OMH Patient Safety Standards.



















one	e two	three	four	five	six	seven eight	nine	ten	eleven	twelve	thirte	een fourteen fifteen	sixteen
SJ	-	1	-	/	-	-	-	DM -	•	1	-	-	
one	Luminaire	e Size			seven	Housing Mate	erial			thir	teen	Fasteners	
2	2 ft fixture				С	Cold rolled stee	el			A	Α P	Hardened steel allen head	d with pin
4	4 ft fixture				S	Stainless steel				1	ГΡ	Hardened steel torx head	with pin

two	Uplight LED Source*
	Refer to the LED Source Table
	on Page 2 for available options.
00	N. a

No uplight

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

00 No downlight

four Color Temperature

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

80 CRI 80 90 90 CRI

five

six **Housing Gauge**

CRI

18 gauge, minimum security Ν D 16 gauge, medium security Χ 14 gauge, maximum security

eight Finish

R Brushed (stainless steel only)

W White

nine Voltage

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

347VAC, 60Hz 347

Driver ten

0-10Vdc Dimming, standard DM

eleven Internal Lens

122 Optic Plus LED diffusing acrylic, standard

130 .125 in. LED diffusing Lexan 53 .125 in. K12 prismatic acrylic .125 in K12 prismatic polycarbonate 12

15 .156 in. K12 prismatic polycarbonate 16 .187 in. K12 prismatic polycarbonate 75 .156 in. C73 prismatic tempered glass

twelve External Lens

96

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

.375 in. clear tempered glass

ΡН Phillips head, non-security

fourteen Electrical Access

2.250 in. diameter access hole Α

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 ΕM Emergency battery backup FΗ

Fuse and holder

GFCI Duplex GFCI receptacle (L or R)

IMS Integral Occ Sensor

NL-LED Night light, LED (Amber available)

5-100% Adjustability

PS Security push on/off switch SBP Stainless steel backplate

> *Two-circuit wired required for independant output values.

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

CRI	LED Life
>80	>100,000

LED	3000	К	3500K		4000	K	5000K					
Source (Box 2)	Delivered L/W		Delivered Lumens	L/W	Delivered Lumens	L/W	Delivered Lumens	L/W	Input Watts			
	2' Fixture Up Light or Down Light											
1W15	1527	89	1550	91	1596	93	1641	96	17.1			
1W25	2516	88	2554	89	2629	92	2704	94	28.7			
2W40	3760	95	3816	96	3929	99	4041	102	39.6			
	4' Fixture Up Light or Down Light											
1W17	1650	99	1674	100	1724	103	1773	106	16.7			
1W30	2835	101	2877	103	2962	106	3046	109	28.0			
1W40	3971	100	4030	102	4148	105	4267	108	39.6			
1W55	5314	97	5394	98	5552	101	5711	104	54.8			
2W65	6451	101	6547	103	6740	106	6932	109	63.7			
2W80	7941	100	8060	102	8297	105	8534	108	79.3			

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	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 po	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 tempered glass			90	.187" Clear tempered glass	1.04				
122	122 Optic Plus diffusing acrylic			92	.250" Clear tempered glass	1.03				
9	90 CRI Multiplier .83			96	.375" Clear tempered glass	.99				

Example Model:

SJ2-1W15/2W40-40/80-DCW-VARDM-122/32-TPKD-2C

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 XX1 = We will determine the number of rows. will be specified.

Example Model:

SJ2-XX/XX¹SO-40/80-DCW-VARDM-122/32-TPKD-(XX²/LUMENS) **LUMENS** = You provide the lumens.

XX² = We will provide the wattage information.