

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.

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

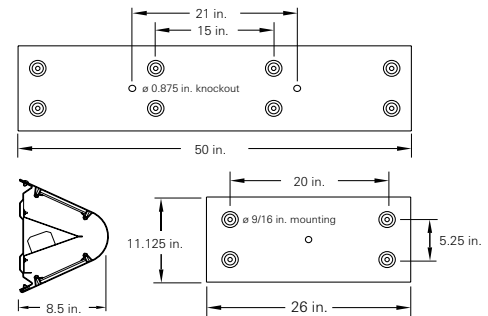
UL Listed damp or wet location. IP34 rated. Covered ceilings only. Included in NYS OMH Patient Safety Standards.

Job Name _____

Fixture Type _____

Catalog No. _____

Approval _____ Date _____



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

<p>one Luminaire Size 2 2 ft fixture 4 4 ft fixture</p> <p>two Uplight LED Source* Refer to the LED Source Table on Page 2 for available options. 00 No uplight</p> <p>three Downlight LED Source* Refer to the LED Source Table on Page 2 for available options. 00 No downlight</p> <p>four Color Temperature 30 3000K 35 3500K 40 4000K 50 5000K</p> <p>five CRI 80 80 CRI 90 90 CRI</p> <p>six Housing Gauge N 18 gauge, minimum security D 16 gauge, medium security X 14 gauge, maximum security</p>	<p>seven Housing Material C Cold rolled steel S Stainless steel</p> <p>eight Finish R Brushed (stainless steel only) W White</p> <p>nine Voltage VAR Variable, 120-277 V, 50/60Hz 347 347VAC, 60Hz</p> <p>ten Driver DM 0-10Vdc Dimming, <u>standard</u></p> <p>eleven Internal Lens 122 Optic Plus LED diffusing acrylic, <u>standard</u> 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</p> <p>twelve 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</p>	<p>thirteen Fasteners AP Hardened steel allen head with pin TP Hardened steel torx head with pin PH Phillips head, non-security</p> <p>fourteen Electrical Access A 2.250 in. diameter access hole K 0.875 in. diameter knockout(s), <u>standard</u></p> <p>fifteen UL Listing D Damp Location W Wet Location</p> <p>sixteen Options 2C Two-circuit wired* CU Canadian UL Listing EM Emergency battery backup FH Fuse and holder IMS Integral Occ Sensor NL-LED Night light, LED (Amber available) <i>5-100% Adjustability</i> PS Security push on/off switch SBP Stainless steel backplate</p> <p>*Two-circuit wired required for independant output values.</p>
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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 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					
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

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 will be specified.

Example Model:

SJ2-XX/XX¹SO-40/80-DCW-VARDM-122/32-TPKD-(XX²/LUMENS)

LUMENS = You provide the lumens.

XX¹ = We will determine the number of rows.

XX² = We will provide the wattage information.