

Correctional

Behavioral Health

Maximum Security

LED

Surface Mount

PRODUCT SPECIFICATION

The SH series is designed for wall mount direct / indirect cell lighting in medium, maximum and super max security detention facilities. 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. Stainless steel available.

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

Optic Plus lens (standard) completely hides diode image while providing greater than 90% light transmission.

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 dimming, Range 1%-100%, Factory programmable -40C Min. starting temperature, >0.9 PF, <20% THD

## Wiring

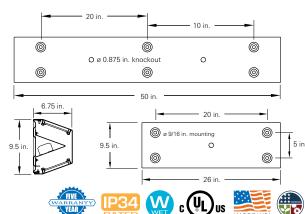
Driver provided with pre-wired 3-wire self-aligning input power quick disconnect and 2-wire quick disconnect to LED module.

### Certifications

UL Listed damp or wet location. IP34 rated. Covered ceilings only.







fivo seven eight nine thirteen fourteen fifteen sixteen ten DM

one	e two three four	tive	SIX	seven eight nine ten eleven				
SH	- / - /		-	- DM -				
one	Luminaire Size		seven	Housing Material				
2	2 ft fixture		С	Cold rolled steel				
4	4 ft fixture		S	Stainless steel				
two	Uplight LED Source*		eight	Finish				
	Refer to the LED Source Table		R	304 Brushed stainless steel				
	on Page 2 for available options.		W	White				
00	No uplight		nine	Voltage				
three	Downlight LED Source*		VAR	Variable, 120-277 V, 50/60Hz				
	Refer to the LED Source Table		347	347VAC, 60Hz				
	on Page 2 for available options.		ten	Driver				
00	No downlight		DM	0-10Vdc Dimming, standard				
four	Color Temperature		eleven	Internal Lens				
30	3000K		122	Optic Plus LED diffusing acrylic, standard				
35	3500K		130	.125 in. LED diffusing Lexan				
40	4000K		53	.125 in. K12 prismatic acrylic				
50	5000K		12	.125 in K12 prismatic acrylic				
five	CRI		15	.156 in. K12 prismatic polycarbonate				
80	80 CRI		16	.187 in. K12 prismatic polycarbonate				
90	90 CRI		75	.156 in. C73 prismatic tempered glass				
six	Housing Gauge		twelve					
N	18 gauge, minimum security		30	.187 in. clear polycarbonate				
D	16 gauge, medium security		32	.250 in. clear polycarbonate				
X	14 gauge, maximum security		36	.375 in. clear polycarbonate				
U	12 gauge, super max, <u>CRS only</u>		38	.500 in. clear polycarbonate				

1	-	-
	thirteen AP TP PH	Door Fasteners Stainless steel allen head with pin Stainless steel torx head with pin Phillips, non-security
	fourteen A K	Electrical Access 2.250 in. diameter access hole 0.875 in. diameter knockout(s), standard
	fifteen D W	UL Listing Damp Location Wet Location
	sixteen 2C CU EM FH GFCI IMS NL-LED SBP PS	Options Two-circuit wired* Canadian UL Listing Emergency battery backup Fuse and holder Duplex GFCI receptacle (L or R) Integral Occ Sensor Night light, LED (Amber available) 5-100% Adjustability Stainless steel backplate Security push on/off switch
		Two-circuit wired required for independant output values.

.187 in. clear tempered glass

.250 in. clear tempered glass

.375 in. clear tempered glass

90

92

96

CRI	LED Life		
>80	>100,000		

LED	3000К		3500K		4000K		5000К		
Source (Box 2)	Delivered Lumens	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							
	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			
9	0 CRI Multiplier .83		96	.375" Clear tempered glass	.99			

# **Specified Output Option**

L.C. Doane programmable drivers allows us to deliver a above fit your application, let us know the desired lumen LUMENS = You provide the lumens. output and we will do the rest. See the example how this  $XX^1 = We$  will determine the number of rows. will be specified.

# **Example Model:**

specific lumen output. If none of the options in the chart SH2-XX/XX'SO-40/80-DCW-VARDM-122/32-TPKD-(XX²/LUMENS)

 $XX^2$  = We will provide the wattage information.