

The USX series is designed for corner mount cell lighting in medium, maximum and super max security detention facilities.

**Mounting**

Surface mounts to corner.

**Clam Shell 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.

**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 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**

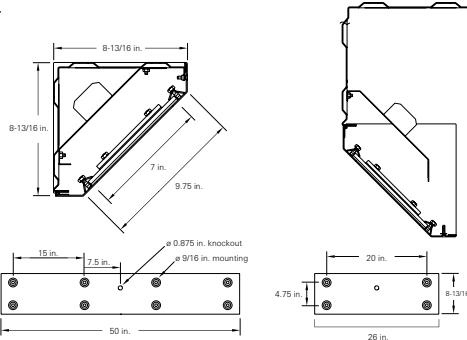
0-10Vdc 1% dimming, >0.9 PF, <20% THD  
Factory programmable, Operating temp -40°C Min. to 50°C Max

**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. IP34 rated.  
Covered ceilings only.



	one	two	three	four	five	six	seven	eight	nine	ten	eleven	twelve	thirteen	fourteen	fifteen
<b>USX</b>	-	-	/	-	-	-	-	-	DM	-	/	-	-	-	
<b>one</b>	Luminaire Size				<b>seven</b>	Finish						<b>twelve</b>	Door Fasteners		
2	2 ft fixture				R	Brushed stainless steel						AP	Stainless steel allen head with pin		
4	4 ft fixture				W	White						TP	Stainless steel torx head with pin		
<b>two</b>	LED Source				<b>eight</b>	Voltage						PH	Phillips head, non-security		
	Refer to the LED Source Table				VAR	Variable, 120-277 V, 50/60Hz									
	on Page 2 for available options.				347	347VAC, 60Hz									
<b>three</b>	Color Temperature				<b>nine</b>	Driver						<b>thirteen</b>	Electrical Access		
30	3000K				DM	0-10Vdc Dimming, <u>standard</u>						A	2.250 in. diameter access hole		
35	3500K											K	0.875 in. diameter knockout(s), <u>standard</u>		
40	4000K				<b>ten</b>	Internal Lens									
50	5000K				122	Optic Plus LED diffusing acrylic, <u>standard</u>						<b>fourteen</b>	UL Listing		
					130	.125 in. LED diffusing Lexan						D	Damp Location		
<b>four</b>	CRI				53	.125 in. K12 prismatic acrylic						W	Wet Location		
80	80 CRI				12	.125 in K12 prismatic polycarbonate									
90	90 CRI				15	.156 in. K12 prismatic polycarbonate									
<b>five</b>	Housing Gauge				16	.187 in. K12 prismatic polycarbonate						<b>fifteen</b>	Options		
N	18 gauge, minimum security				75	.156 in. C73 prismatic tempered glass						2C	Two-circuit wired		
D	16 gauge, medium security											CU	Canadian UL Listing		
X	14 gauge, maximum security				<b>eleven</b>	External Lens						EM	Emergency battery backup		
U	12 gauge, super max, <u>CRS only</u>				33	.125 in. clear polycarbonate						FH	Fuse and holder		
<b>six</b>	Housing Material				30	.187 in. clear polycarbonate						IMS	Integral Occupancy Sensor		
C	Cold rolled steel				32	.250 in. clear polycarbonate						NL-LED	Night light, LED (Amber available)		
S	Stainless steel				36	.375 in. clear polycarbonate						5-100%	Adjustability		
					38	.500 in. clear polycarbonate						PS	Security push on/off switch		
					90	.187 in. clear tempered glass						SBP	Stainless steel backplate		
					92	.250 in. clear tempered glass									
					96	.375 in. clear tempered glass									

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

LED Source (Box 2)	3000K		3500K		4000K		5000K		Input Watts
	Delivered Lumens	L/W							
<b>2' Fixture</b>									
<b>1W24</b>	2378	103	2414	105	2485	108	2555	111	23.0
<b>2W45</b>	4372	110	4437	112	4568	115	4696	119	39.6
<b>2W60</b>	5851	107	5939	108	6114	112	6285	115	54.8
<b>4' Fixture</b>									
<b>1W25</b>	2422	109	2459	110	2531	113	2602	117	22.3
<b>1W45</b>	4285	108	4350	110	4478	113	4603	116	39.6
<b>1W60</b>	5735	105	5822	106	5993	109	6161	112	54.8
<b>2W80</b>	7801	109	7918	111	8151	114	8379	117	71.5
<b>2W105</b>	10057	107	10208	109	10509	112	10803	115	93.7
<b>2W120</b>	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	33	.125" Clear polycarbonate			1.03
12	.125 in K12 prismatic polycarbonate			.98	30	.187" Clear polycarbonate			1.02
15	.156 in. K12 prismatic polycarbonate			.97	32	.250" Clear Polycarbonate			1.00
16	.187 in. K12 prismatic polycarbonate			.95	36	.375" Clear polycarbonate			.96
75	.156 in. C73 prismatic tempered glass			.97	38	.500" Clear polycarbonate			.92
122	Optic Plus diffusing acrylic			1.00	90	.187" Clear tempered glass			1.04
<b>90 CRI Multiplier</b>		<b>.83</b>			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:

USX4-**XX<sup>1</sup>**SO-40/80-DCW-VARDM-122/32-(**XX<sup>2</sup>/LUMENS**)

**LUMENS** = You provide the lumens.

**XX<sup>1</sup>** = We will determine the number of rows.

**XX<sup>2</sup>** = We will provide the wattage information.