



The USS series is designed for ceiling surface mount cell lighting in medium, maximum and super max security detention facilities.

Mounting

Surface mounts to ceiling.

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 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

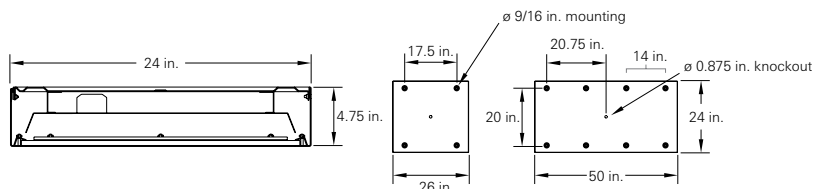
0-10Vdc dimming, Range 1%-100%, Factory programmable -40C Min. starting temperature, >0.9 PF, <20% THD

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.



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

one Luminaire Size

- 2 2 ft fixture
- 4 4 ft fixture

seven Finish

- R Brushed stainless steel
- W White

twelve Door Fasteners

- AP Stainless steel allen head with pin
- TP Stainless steel torx head with pin
- PH Phillips head, non-security

two LED Source

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

eight Voltage

- 120 120 V, 60 Hz
- 277 277 V, 60 Hz
- 347 347VAC, 60Hz
- VAR Variable, 120-277 V, 50/60Hz

thirteen Electrical Access

- A 2.250 in. diameter access hole
- K 0.875 in. diameter knockout(s), std

three Color Temperature

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

nine Driver

- DM 0-10Vdc Dimming, standard

fourteen UL Listing

- D Damp Location
- W Wet Location

four CRI

- 80 80 CRI
- 90 90 CRI

ten Internal Lens

- 122 Optic Plus LED diffusing acrylic, std
- 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

fifteen Options

- SO Specified output*
- 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) 5-100% Adjustability

five Housing Gauge

- N 18 gauge, minimum security
- D 16 gauge, medium security
- X 14 gauge, maximum security
- U 12 gauge, super max, CRS only

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

six Housing Material

- C Cold rolled steel
- S Stainless steel

* Indicated as SO(xx/xxxx). Specified output, Input watts / delivered lumens to be determined based on specified requirements.

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	
1' x 4' Fixture									
1W20	2114	103	2146	105	2142	104	2272	111	20.5
1W30	3130	105	3177	106	3270	109	3364	113	29.9
1W40	4282	104	4346	106	4474	109	4602	112	41.0
1W55	5489	100	5571	102	5735	105	5899	108	54.8
2W70	7065	105	7170	106	7381	109	7592	112	67.6
2W85	8564	104	8692	106	8948	109	9203	112	82.1
2W100	10978	100	11142	102	11470	105	11797	108	109.6
2' x 2' Fixture									
2W28	2753	105	2794	107	2876	110	2958	113	26.1
2W43	4142	105	4204	106	4328	109	4452	112	39.6
2W58	5544	101	5627	103	5793	106	5958	109	54.8
4W85	8285	104	8409	106	8656	109	8903	112	79.3
4W110	11089	101	11254	103	11585	106	11917	109	109.6
2' x 4' Fixture									
2W43	4448	116	4514	117	4647	121	4780	124	38.5
2W61	6160	116	6252	117	6436	121	6619	124	53.3
2W75	7853	110	7970	111	8204	115	8439	118	71.5
2W95	10124	108	10275	110	10577	113	10879	116	93.7
2W110	11548	105	11720	107	12065	110	12409	113	109.6
3W135	14077	109	14287	111	14707	114	15128	117	128.9
3W165	17321	105	17580	107	18097	110	18614	113	164.4
4W195	20248	108	20550	110	21154	113	21759	116	187.4
4W225	23095	105	23440	107	24129	110	24819	113	219.2

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 in. Clear polycarbonate	1.02
12	.125 in K12 prismatic polycarbonate	.98	32	.250 in. Clear Polycarbonate	1.00
15	.156 in. K12 prismatic polycarbonate	.97	36	.375 in. Clear polycarbonate	.96
16	.187 in. K12 prismatic polycarbonate	.95	38	.500 in. Clear polycarbonate	.92
122	Optic Plus diffusing acrylic	1.00	90	.187 in. Clear tempered glass	1.04
130	.125 in. LED diffusing Lexan	.95	92	.250 in. Clear tempered glass	1.03
90 CRI Multiplier		.83	96	.375 in. Clear tempered glass	.99

Delivered lumen output calculated using 122 inner lens and 32 (.250" Clear Polycarbonate) outer lens (Highlighted above).

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:

USS2-**XX**'SO-40/80-DCW-VARDM-122/32-APKD(**XX**²/LUMENS)

LUMENS = You provide the lumens.

XX¹ = We will determine the number of rows.

XX² = We will provide the wattage information.