



PRODUCT SPECIFICATION

The USL series is designed for ceiling surface mount cell lighting in medium, maximum and super max detention facilities. The low profile and superior LED technology make the USL the perfect solution for today's cell lighting requirements. Anti-ligature for patient safety.

Mounting

Surface mounts to ceiling.

Clamshell Housing

One piece, die formed cold rolled steel with seams welded and ground smooth and 14 gauge lens retainers. Hinge free housing removes completely from back-plate and hangs freely from either side for ease of installation. 304 Stainless steel available.

Back Plate

16 gauge die-formed cold rolled steel with continuous drop channel providing contraband drop slot / irretrievable blade trap. 304 Stainless steel available.

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. Covered ceilings only. IP66 Rated, optional IP67 Rating available. Constructed to pass MIL-S-901 Grade A, Type A, High Impact Shock Test and MIL-S-167 Type 1, Vibration Test

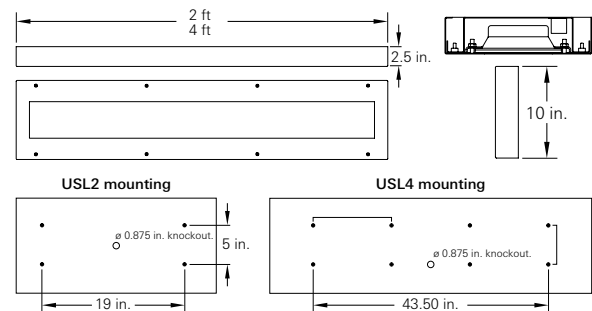
Job Name

Fixture Type

Catalog No.

Approval

Date



	one	two	three	four	five	six	seven	eight	nine	ten	eleven	twelve	thirteen	fourteen	fifteen
USL	-	-	/	-	-	-	-	-	DM	-	/	-	K	-	-
one	Luminaire Size				seven	Finish				twelve	Door Fasteners				
2	2 ft. fixture				R	Brushed (Stainless steel only)				AP	Stainless steel allen head with pin				
4	4 ft. fixture				W	White				TP	Stainless steel torx head with pin				
two	LED Source				eight	Voltage				PH	Phillips head, non-security				
	Refer to the LED Source Table on Page 2 for available options.				VAR	Variable, 120-277 V, 50/60Hz				thirteen	Electrical Access				
three	Color Temperature				347	347VAC, 60Hz				K	0.875 in. diameter knockout(s), <u>standard</u>				
30	3000K				nine	Driver				fourteen	UL Listing				
35	3500K				DM	0-10Vdc Dimming, <u>standard</u>				D	Damp Location				
40	4000K				ten	Internal Lens				W	Wet Location (IP 66)				
50	5000K				122	Optic Plus LED diffusing acrylic, <u>standard</u>				fifteen	Options				
four	CRI				130	.125 in. LED diffusing Lexan				2C	Two-circuit wired				
80	80 CRI				53	.125 in. K12 prismatic acrylic				CU	Canadian UL Listing				
90	90 CRI				12	.125 in. K12 prismatic polycarbonate				EM	Emergency battery backup				
five	Housing Gauge				15	.156 in. K12 prismatic polycarbonate				FH	Fuse and holder				
D	16 gauge, medium security				16	.187 in. K12 prismatic polycarbonate				IMS	Integral Occ Sensor				
X	14 gauge, maximum security				75	.156 in. C73 prismatic tempered glass				IP67	IP67 Rated				
U	12 gauge, super max security, <u>CRS only</u>				eleven	External Lens				NL-LED	Night light, LED (Amber available)				
six	Housing Material				30	.187 in. clear polycarbonate				SBP	5-100% Adjustability				
C	Cold rolled steel				32	.250 in. clear polycarbonate					Stainless steel backplate				
S	Stainless steel				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									

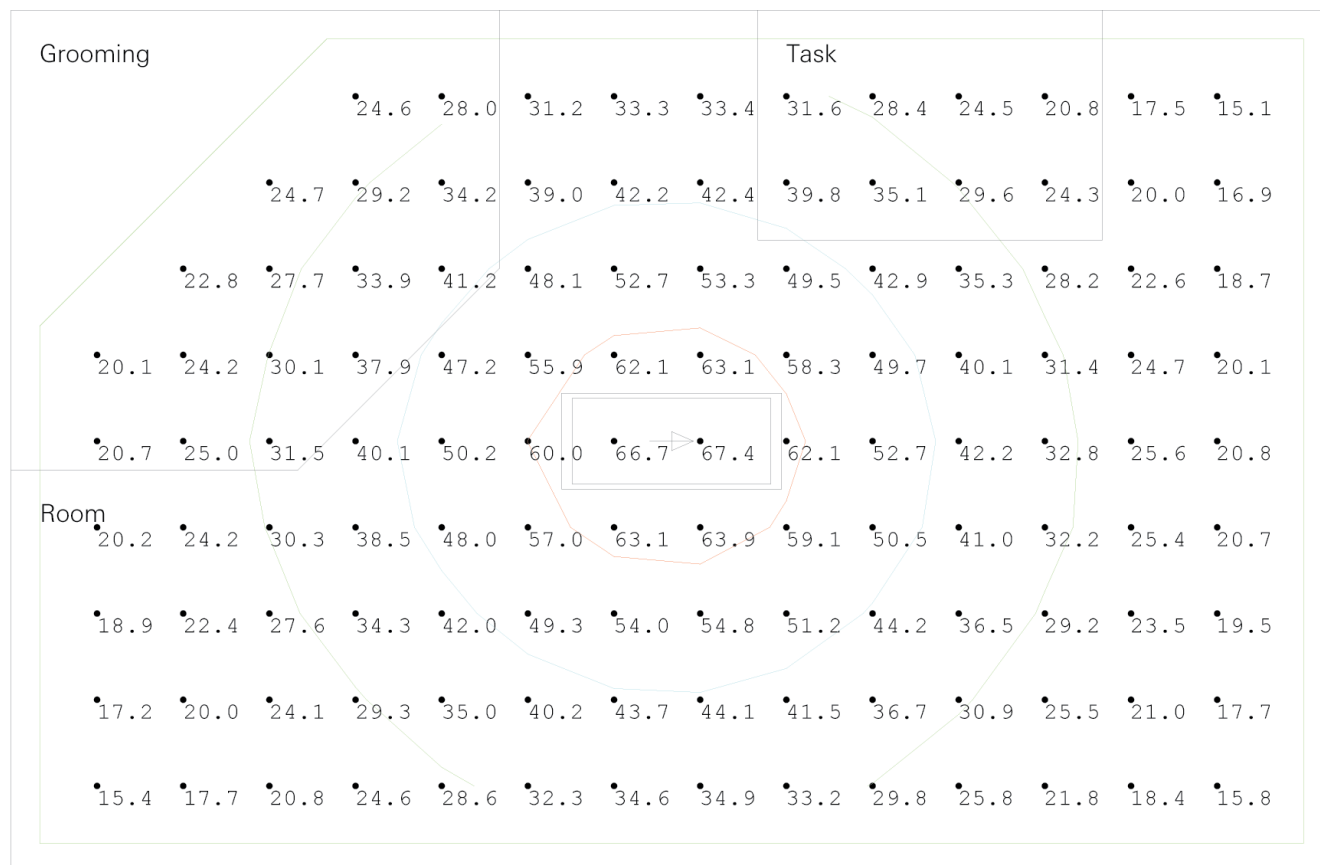
Modifications are available to meet custom requirements.
Specifications and dimensions are subject to change without notice.

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

Specified Output Option

Example Model:
 USL4-**XX**¹SO-40/80-DCW-VARDM-122/32-(**XX**²/**LUMENS**)
LUMENS = You provide the lumens.
XX¹ = We will determine the number of rows.
XX² = We will provide the wattage information.

Typical Cell Using a 2' USL-LED



Reflectance: 70/70/20 LLF: 0.80 Room Dimension: 11'x7'x8'

Calculation Summary

Label	Units	Avg	Max	Min	Avg/Min	Max/Min
All Points (3' plane)	Fc	34.73	67.40	15.10	2.30	4.46
Grooming	Fc	28.49	41.20	20.10	1.42	2.05
Room	Fc	36.23	67.40	15.10	2.40	4.46
Task	Fc	29.26	39.80	20.80	1.41	1.91