



## 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.

### 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. Stainless steel available.

### Back Plate

16 gauge die-formed cold rolled steel with continuous drop channel providing 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 dimming, Range 1%-100%; 5-100% NL-LED option. 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

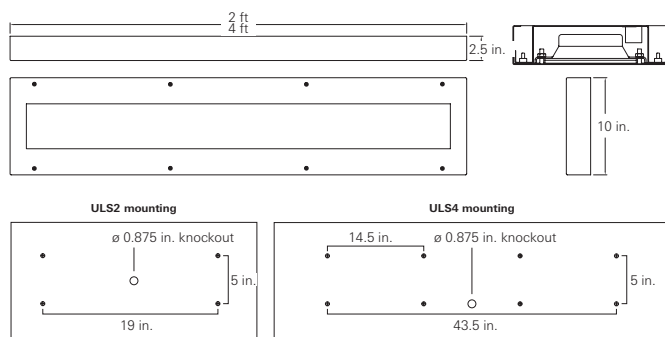
UL Listed damp or wet location. Covered ceilings only. IP66 Rated, optional IP67 Rating available. Constructed to pass MIL-S-901 Grade A, Type A, High Impact Shock Test and MIL-S-167 Type 1, Vibration Test

Job Name \_\_\_\_\_

Fixture Type \_\_\_\_\_

Catalog No. \_\_\_\_\_

Approval \_\_\_\_\_ Date \_\_\_\_\_



USL	[ ]	-	[ ]	[ ]	-	[ ]	[ ]	[ ]	-	[ ]	DM	-	[ ]	/	[ ]	-	[ ]	[ ]	[ ]	-	[ ]
	one		two	three		four	five	six		seven	eight		nine		ten		eleven	twelve	thirteen		fourteen

<b>one</b>	<b>Luminaire Size</b>	<b>seven</b>	<b>Voltage</b>	<b>eleven</b>	<b>Door Fasteners</b>
2	2 ft. fixture	120	120 V	AP	Stainless steel allen head with pin
4	4 ft. fixture	277	277 V	TP	Stainless steel torx head with pin
<b>two</b>	<b>LED Rows</b>	VAR	Variable, 120-277 V, 50/60Hz	PH	Phillips head, non-security
1L	One	<b>eight</b>	<b>Driver</b>	<b>twelve</b>	<b>Electrical Access</b>
2L	Two	DM	0-10Vdc Dimming, <u>standard</u>	K	0.875 in. diameter knockout(s), <u>standard</u>
<b>three</b>	<b>Color Temperature</b>	<b>nine</b>	<b>Internal Lens</b>	<b>thirteen</b>	<b>UL Listing</b>
30	3000K	122	Optic Plus LED diffusing acrylic lens, <u>std</u>	D	Damp Location
35	3500K	53	.125 in. K12 prismatic acrylic	W	Wet Location
40	4000K	12	.125 in K12 prismatic polycarbonate	<b>fourteen</b>	<b>Options</b>
50	5000K	15	.156 in. K12 prismatic polycarbonate	2C	Two-circuit wired
<b>four</b>	<b>Housing Gauge</b>	16	.187 in. K12 prismatic polycarbonate	CU	Canadian UL Listing
D	16 gauge, medium security	75	.156 in. C73 prismatic tempered glass	EM	Emergency battery backup
X	14 gauge, maximum security	<b>ten</b>	<b>External Lens</b>	FH	Fuse and holder
U	12 gauge, super max security, <u>CRS only</u>	30	.187 in. clear polycarbonate	NL-LED	Night light, LED (Amber available)
<b>five</b>	<b>Housing Material</b>	32	.250 in. clear polycarbonate	IMS	5-100% <i>Adjustability</i>
C	Cold rolled steel	36	.375 in. clear polycarbonate		Integral Occ Sensor
S	Stainless steel	38	.500 in. clear polycarbonate		
<b>six</b>	<b>Finish</b>	90	.187 in. clear tempered glass		
R	Brushed stainless steel	92	.250 in. clear tempered glass		
W	White	96	.375 in. clear tempered glass		

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

Photometric Data for a 2-ft fixture with two rows (Full Output)

Lumens	Input Watts	Lumens / Watt	CCT	CRI	LED Life
5915	56 watts	106	4000K	>80	>100,000

USL-LED 2-ft Fixture - Typical @3600LM



Reflectance: 70/70/20  
 LLF: 0.80  
 Room Dimension: 11x7x8

Calculation Summary - USL-LED

Label	Units	Avg	Max.	Min.	Avg / Min	Max / Min
All Points (3 ft. 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

