Lumencia™
Multi-Unit Residential Lighting

Job Name:

Type:

Part #:

Notes:

LLINSQ25

LED Architectural linear

The narrow 2.5" width linear luminaire is formed by cold-rolled steel housing with a snap-in matte acrylic lens. Offered in variety of linear lengths - 2', 3', 4', 6', 8' - and illuminated corners and shapes can help design your space from commercial to residential at your preference.

LED: CRI 80 standard, CRI 90 optional.

L70 reported: > 60,000 @ 55ºC

ELECTRICAL: 0-10Vdc (1%) dimming standard, 120 - 277Vac, 50/60Hz
PF>0.95, THD<20, meets Class1 or Class2 circuit.

OPERATING TEMPERATURE: 4°F (-20°C) ~ 122°F (50°C).

LUMINAIRE: Direct Only, Direct / Indirect, Indirect Only.

MOUNTING: Pendant, Ceiling / Surface, Wall.

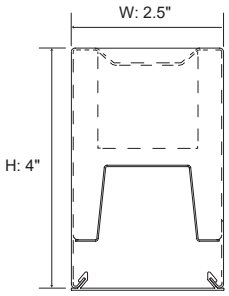
FINISH: Pre-fabricated in white as standard. All other colors are optional.

WARRANTY/Certifications:

5 years limited warranty.

cULus listed, UL listed for damp location, DLC listed [1], ADA compliant (less than 4" off wall).

Dimensions



Ordering Information

Product Number	LLINSQ25

Example: LLINSQ25-1-4'-D821L-U640L-8-40-UC-W-1C-MV-DM1-WH

SHAPE		**SINGLE RUN**		**CON. RUN**		**SQ**	
1 Single Unit **2** Continuous Run **SQ** Square / Rectangular **CUS** Custom, provide dimensions & sketch(es)			**2'** **3'** **4'** **6'** **8'**		**Total Run Length** **S2,S3,S4,S6,S8** Sections		**Wxx' X Lxx'**

LED	**DIRECT**	**DIRECT CRI**	**DIRECT CCT**		
	(Blank) No Direct Light **D640L** 640 lm/ft **D821L** 821 lm/ft **D1061L** 1061 lm/ft **D1406L** 1406 lm/ft **D1573L** 1573 lm/ft	**8** 80 CRI **9** 90 CRI	**27** 2700K* **30** 3000K **35** 3500K **40** 4000K **50** 5000K * only available with CRI90		
	INDIRECT	**INDIRECT CRI**	**DIRECT CCT**	**COVER**	
	(Blank) No Uplight **U640L** 640 lm/ft **U821L** 821 lm/ft	**8** 80 CRI **9** 90 CRI	**27** 2700K* **30** 3000K **35** 3500K **40** 4000K * only available with CRI90 **50** 5000K	**(Blank)** No cover **UC** UC Uplight cover	

MOUNTING	**P** Pendant	**S** Ceiling / Surface	**W** Wall
	CEILING TYPE **T1516** T-bar 15/16" **T916** T-bar 9/16" **HC** Hard Ceiling **HS** Hard Sloped Ceiling	**TYPE** **AC4** 4' Adjustable Aircraft Cable **AC8** 8' Adjustable Aircraft Cable **ST2** 2' Stem **ST4** 4' Stem	

1.DesignLights Consortium® (DLC) qualified product. Not all versions of this product may be DLC qualified.
Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified.

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ELECTRICAL

CIRCUITS

1C	D/I power together
2C	D/I power separate
3C	D/I dimming separate only
4C	D/I dimming & power separate

VOLTAGE

120	120V
277	277V
MV	120-277V
347	347V

DRIVERS

DM1	0-10 Dim, 1% (Std.)
***DIMSTxx**	Bi-level step dim, xx% / 100%
***DIMTDxx**	Tri-level step dim, xx% / yy% / 100%
LDE1	Lutron Hi-lume EcoSystem Fade-to-black 1%
TRIAC	Triac (120V)
ELV	ELV
DMTE	0-10V, Triac, ELV 3-in-1
LTEA2W	Lutron Hi-lume 1% 2-wire (120V forward phase)
PHSR	Philips Xitanium sensor-ready, Dali 5%

* xx / yy : specify 10%-70%

EM

(Blank)	None
5WEM	CEC compliant 5W EM Battery Backup
8WEM	CEC compliant 8W EM Battery Backup
16WEM	CEC compliant 16W EM Battery Backup

* Not available in 347V.

EM QTY

xSE	Number of EMs for Con.Run, SQ, CUS

* Must provide locations.
* EM for 4' luminaire.

COMPLIANCE OPTION

(Blank)	None
COC	Separated EM feed for City of Chicago code compliance

FINISH

FIXTURE

WH	Matte White RAL#9003
***SL**	Silver RAL#9022
***BK**	Black RAL#9011
****AMC**	Anti-Microbial Coating (Matte White)
****RAL#**	Custom Color

* Additional Charge.
** Additional charge & set up fee.

CORD

WHC	White Cord
***BKC**	Black Cord

* Additional Charge.

CANOPY KIT

(PENDANT ONLY)

WHCC	White Canopy
***BKCC**	Black Canopy
****RAL#CC**	Custom Color Canopy

* Additional Charge.
** Additional charge & set up fee.

OPTIONS

(Blank)	None
7W	7 Year Warranty
10W	10 Year Warranty
FB	Fast Blow Fuse
SB	Slow Blow Fuse
12L	1/2" acrylic drop lens
1F	one end feed (pre-drilled hole for 1/2" fitting)
2F	both ends feed (pre-drilled holes for 1/2" fitting)

SENSOR

INTEGRATED SENSOR

(PENDANT & SURFACE ONLY)

(Blank)	None
OCC	Occupancy Sensor with Daylight Harvesting (max 8' detection height with 14' coverage)
DCC	Daylight dimming photo-sensor (0-10VDC), "301S" required.
DO	Dimming wire to sensor only
301S	Setup Remote for DCC (required for DCC)
301P	Occupancy Remote for DCC.

CEILING / WALL SENSOR

(WALL ONLY)

(Blank)	None
L502S-x[1]-y[3]	PIR occupancy sensor, non-dim, 120-277V, with DIP switch, select "x" and "y"
L500S-x[1]-y[3]	Bi-level 0-10V occupancy sensor, 120-277V, with DIP switch, select "x" and "y"
B500S-x[2]	Daylight sensor for daylight harvesting control, 0-10V high/low dim or SmartDim control, 120-277V, "RS" remote required, select "x"
RS	IR remote programmer for B500S-x
L700N	On/Off occupancy and vacancy sensor, line voltage, 120-277V, with DIP switch
L700S	Dual-tech bi-level wall switch occupancy sensor (PIR & HFD), line voltage with 1-ple SLV for on/off switching and 0-10V for manual dimming, 120-277V, with DIP switch

1. X = S: Ceiling Surface
   C: Junction Box
2. X = S: Ceiling Surface
   C: Junction Box
   R:Ceiling Recess

3. Y = A: Standard cone shape lens @ 15' height (up to 2x height coverage)
   B: Extra wide cone shape lens @ 10' height (up to 6x height coverage)
   C: High bay con shape lens @ 30' height (up to 3x height coverage)
   D: Standard round shape lens @ 20' height (up to 2x height coverage)
   F: Extra wide dome shape lens @ 20' height (up to 4x height coverage)
   G: Aisle way arch shape lens # 40' height (up to 3x height coverage)

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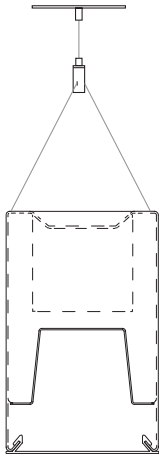
Notes:

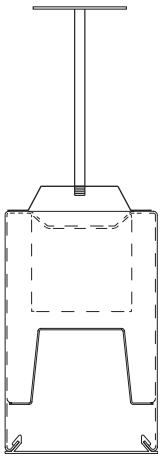
CONTROL SYSTEM	**LUTRON VIVE**		**BLUETOOTH MESH**	
	(Blank)	None	**(Blank)**	None
	VDO	Integral Occupancy & Daylight sensor	**EBLT**	Bluetooth Mesh control only
	VRF	Integral RF only	**ELIOP-SR**	PIR occupancy sensor with daylight harvesting, short range (max. 7.8ft height)
	FCJS0	Attached PowPak (0-10V)	**ELIOP-LR**	PIR occupancy sensor with daylight harvesting, long range (max. 40ft height)
	FCJSE	Attached PowPak (EcoSystem)	**SR-W**	Bluetooth wireless single rocker pad, white
	FCJS0EM	UL 924 Emergency PowPak (0-10V)	**DR-W**	Bluetooth wireless double rocker pad, white
	FCJSEEM	UL 924 Emergency PowPak (EcoSystem)		
	RMJS8T	Attached PowPak (0-10V) 8A control		
	RMJS8TEM	UL924 Emergency PowPak for RMJS8T		
	RMJSECO32	Attached PowPak (EcoSystem) single zone up to 32		

MOUNTING

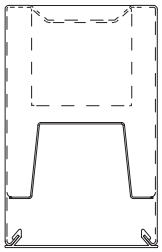
Pendant - AC cable



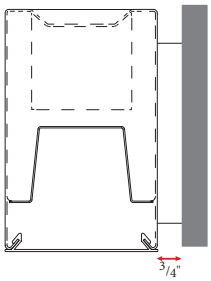
Pendant - ST stem



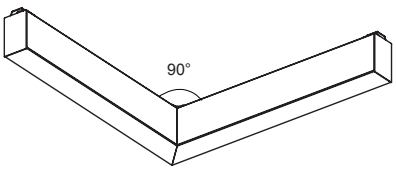
Ceiling / Sruface

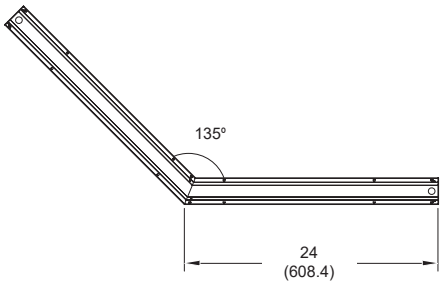


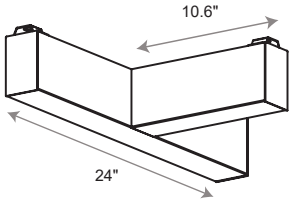
Wall

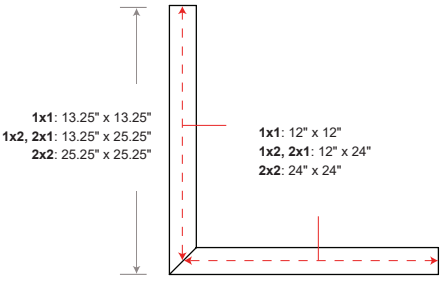


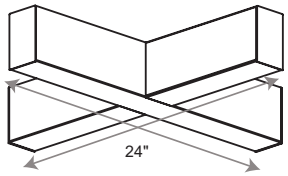
SHAPES











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COMPATIBLE DIMMERS

0-10V	ELV / DMTE	TRIAC
LUTRON: NTSTV-DV, DVTV, DVSTV **LEVITON:** IP710-DLZ	**LUTRON:** NFTV, DVTV, DVELV-303P, SELV-300P, MAELV-600 **LEVITON:** IPE04, VPE06-1LZ	**LUTRON:** DV-600P, SkyLark S-600P

LDE1	LTEA2W
LUTRON: RMJ-ECO32-DV-B, FCJ/FCJS-ECO*, Energi Savr Node (120V): QSN-1ECO-S, QSN-2ECO-S GRAFIK Eye QS/Homeworks QS control unit (120V): QSGRJ-_E(wireless), QSGR-_E Quantum Hub (120V): QP2-_ _2C/4C/6C/8C Homeworks QS/myRoom Plus power module (120V): LQSE-2ECO-D * All devices connected to one FCJ/FCJS-ECO will be controlled together. Devices will dim to the same level as the result of a control command. * For the Line/Hot (L/H) terminal on the driver, it is preferred not to use the switched hot (red) wire from the control but rather the hot wire directly from the power source.	**LUTRON:** Visit http://www.lutron.com/TechnicalDocumentLibrary/369543_ENG.pdf for a list of compatible dimmer switches.

PHOTOMETRIC DATA

4'-D640L

Illuminance at a Distance

	Center Beam fc	Beam Width	
1.7ft	391 fc	3.9 ft	3.1 ft
3.3ft	104 fc	7.6 ft	6.1 ft
5.0ft	45.2 fc	11.6 ft	9.2 ft
6.7ft	25.2 fc	15.5 ft	12.3 ft
8.3ft	16.4 fc	19.2 ft	15.2 ft
10.0ft	11.3 fc	23.2 ft	18.4 ft

4'-D821L

Illuminance at a Distance

	Center Beam fc	Beam Width	
1.7ft	501 fc	3.9 ft	3.1 ft
3.3ft	133 fc	7.6 ft	6.1 ft
5.0ft	57.9 fc	11.6 ft	9.2 ft
6.7ft	32.2 fc	15.5 ft	12.3 ft
8.3ft	21.0 fc	19.2 ft	15.2 ft
10.0ft	14.5 fc	23.2 ft	18.4 ft

4'-D1061L

Illuminance at a Distance

	Center Beam fc	Beam Width	
1.7ft	647 fc	3.9 ft	3.1 ft
3.3ft	172 fc	7.6 ft	6.1 ft
5.0ft	74.8 fc	11.6 ft	9.2 ft
6.7ft	41.7 fc	15.5 ft	12.3 ft
8.3ft	27.2 fc	19.2 ft	15.2 ft
10.0ft	18.7fc	23.2 ft	18.4 ft

4'-D1406L

Illuminance at a Distance

	Center Beam fc	Beam Width	
1.7ft	809 fc	3.9 ft	3.1 ft
3.3ft	215 fc	7.6 ft	6.1 ft
5.0ft	93.5 fc	11.6 ft	9.2 ft
6.7ft	52.1 fc	15.5 ft	12.3 ft
8.3ft	33.9 fc	19.2 ft	15.2 ft
10.0ft	23.4 fc	23.2 ft	18.4 ft

4'-D1573L

Illuminance at a Distance

	Center Beam fc	Beam Width	
1.7ft	960 fc	3.9 ft	3.1 ft
3.3ft	255 fc	7.6 ft	6.1 ft
5.0ft	111 fc	11.6 ft	9.2 ft
6.7ft	61.8 fc	15.5 ft	12.3 ft
8.3ft	40.3 fc	19.2 ft	15.2 ft
10.0ft	27.7 fc	23.2 ft	18.4 ft

4'-D640L/U640L

Illuminance at a Distance

	Center Beam fc	Beam Width	
1.7ft	270 fc	3.9 ft	3.3 ft
3.3ft	71.8 fc	7.6 ft	6.5 ft
5.0ft	31.3 fc	11.5 ft	9.8 ft
6.7ft	17.4 fc	15.5 ft	13.2 ft
8.3ft	11.3 fc	19.1 ft	16.3 ft
10.0ft	7.82 fc	23.1 ft	19.7 ft

4'-D821L/U640L

Illuminance at a Distance

	Center Beam fc	Beam Width	
1.7ft	456 fc	4.9 ft	3.7 ft
3.3ft	121 fc	9.5 ft	7.2 ft
5.0ft	52.7 fc	14.4 ft	10.9 ft
6.7ft	29.3 fc	19.3 ft	14.6 ft
8.3ft	19.1 fc	23.9 ft	18.1 ft
10.0ft	13.2 fc	28.8 ft	21.8 ft

4'-D1061L/U640L

Illuminance at a Distance

	Center Beam fc	Beam Width	
1.7ft	544 fc	3.9 ft	3.1 ft
3.3ft	144 fc	7.5 ft	6.1 ft
5.0ft	62.9 fc	11.4 ft	9.3 ft
6.7ft	35.0 fc	15.3 ft	12.4 ft
8.3ft	22.8 fc	18.9 ft	15.4 ft
10.0ft	15.7 fc	22.8 ft	18.5 ft

4'-D1573L/U640L

Illuminance at a Distance

	Center Beam fc	Beam Width	
1.7ft	827 fc	3.8 ft	3.1 ft
3.3ft	220 fc	7.4 ft	5.9 ft
5.0ft	95.7 fc	11.3 ft	9.0 ft
6.7ft	53.3 fc	15.1 ft	12.1 ft
8.3ft	34.7 fc	18.7 ft	14.9 ft
10.0ft	23.9fc	22.6 ft	18.0 ft

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ELECTRICAL DATA

* Based on 4FT, 4000K calculation.

DIRECT ONLY

MODEL	CRI	LUMINAIRE LUMENS	LUMINAIRE WATTS	LUMENS PER WATT	INPUT VOLTAGE	THD	L_{70} hours
LLINSQ25-4'-D640	>80	2560 lm	19.8W	129.4 lm/w	120 -277V	<20%	>60,000
LLINSQ25-4'-D821		3599 lm	29.7W	121.2 lm/w			
LLINSQ25-4'-D1061		4716 lm	39.6W	119.1 lm/w			
LLINSQ25-4'-D1406		5624 lm	52.8W	106.5 lm/w			
LLINSQ25-4'-D1573		6292 lm	59.4W	105.96 lm/w			

DIRECT/ INDIRECT

MODEL	CRI	LUMINAIRE LUMENS	TOTAL WATT	LUMENS PER WATT	INPUT VOLTAGE	THD	L_{70} hours
LLINSQ25-4'-D640-U640	>80	D: 2358.73 lm (57.6%) U: 1736.30 lm (42.4%)	39.6 W	103.41 lm/w	120 -277V	<20%	>60,000
LLINSQ25-4'-D821-U640		D: 3303.73 lm (63%) U: 1940.30 lm (37%)	49.5W	105.94 lm/w			
LLINSQ25-4'-D821-U821		D: 3538.10 lm (57.6%) U: 2604.45 lm (42.4%)	59.4W	103.41 lm/w			
LLINSQ25-4'-D1061-U640		D: 3954.11 lm (65.5%) U: 2082.71 lm (34.5%)	59.4W	101.63 lm/w			
LLINSQ25-4'-D1406-U640		D: 4766.3 lm (64.6%) U: 2612 lm (35.4%)	72.6W	101.63 lm/w			
LLINSQ25-4'-D1406-U821		D: 4971.9 lm (59.3%) U: 3412.5 lm (40.7%)	82.5W	101.63 lm/w			
LLINSQ25-4'-D1573-U640		D: 5875.83 lm (73%) U: 2173.26 lm (27%)	79.2W	101.63 lm/w			
LLINSQ25-4'-D1573-U821		D: 6280.14 lm (65.5%) U: 3307.86 lm (34.5%)	89.1W	107.61 lm/w			

	Multiplier		
CCT	3000K	3500K	5000K
Down only	0.9642	0.9822	1.0357
Up&Down	0.971	0.9856	1.029

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