

Seamlessline® T-6 LED is a linear lighting system designed for continuous light and consistent color. Featuring a unique side-lamp socket design, these lamps can be mounted end-to-end for smooth and continuous illumination. In continuous runs, lamps are as close as 1/16" and never more than 1/2" apart; illumination of the lamp ends allows for continuous light patterns.

Individual fixtures include nominal lengths of 34", 40", 50" and 60". All fixture lengths can be coupled together to form an ETL listed continuous thru-wire system. Lumen output and color are maintained no matter what length is used, allowing designers to mix and match sizes to form custom lengths. Lumen output per foot of various length lamps varies less than 5%. Seamlessline® T-6 LED is available in a range of color temperatures from 2400K to 5000K. Average rated life of Seamlessline® LED lamps is 50,000 hours.

### Performance

Seamlessline® LED offers high efficiency with superior light output and color consistency within each lamp color temperature. The output brightness of various length lamps varies 5% or less. Color consistency is maintained within a range of 3 MacAdam Ellipses. Lamps are smoothly dimmable down to 6% (with use of 0-10V dimmers). CRI ranges from 83-86.

### Construction

Seamlessline® LED fixtures are constructed of anodized extruded aluminum including a snap-fit cover, spring clip lamp sockets and lamp retaining wire for maximum protection. Lamps are constructed with a polycarbonate cover for high impact resistance and uniform light distribution along with an extruded aluminum heat sink for maximum thermal management. LED lamps contain no mercury.

### Mounting Options

Seamlessline® T-6 Fixtures can be surface or cable mounted using pre-punched rear mounting holes for easy installation. Fixtures can also be 1/2" pendant mounted using knock-outs on the back side of the housing. There are a variety of connections available including SF power feed box for surface conduit entry, SCI I-Coupler for connecting fixtures together, SCL Corner box and others.

### Electrical

Power can be brought to the fixtures through 7/8" or 5/8" knock-outs on the back or side of the housing. The SF Power Feed Box accessory allows for end-feed. Drivers operate on 120-277 voltages. All fixtures are pre-wired with factory installed quick-disconnect connectors. Pinch connectors are utilized for 0-10v dimming. Seamlessline luminaires are ETL tested to UL 1598 and CSA C22.2 NO. 250.0 standards. Seamlessline LED lamps are ETL tested to UL 8750 and CSA 22.2 NO. 250.13 standards.



## ORDERING FORMAT

**Fixture** **SAL-UWLED**  
Seamlessline  
Architectural  
Lighting US Wire LED

**LENGTH**  
850 = 850mm (33-1/2")  
1000 = 1000mm (39-3/8")  
1250 = 1250mm (49-1/4")  
1500 = 1500mm (59-1/16")

**M**  
**DIMMING**  
M = Dimming  
120-277V



**Lamp** **SLEDU**  
T6 Seamlessline  
LED lamp USA

**LENGTH**  
850 = 850mm (33-1/4")  
1000 = 1000mm (39-3/16")  
1250 = 1250mm (49")  
1500 = 1500mm (58-7/8")

**COLOR**  
L24 = 2400K  
L28 = 2800K  
L30 = 3000K  
L35 = 3500K  
L42 = 4200K  
L50 = 5000K



## FIXTURE AND DRIVER DATA

fixture model	nominal length (in)	fixture length		fixture weight (lb)	input current (A) (120-277)	input wattage (W)	lamp length		lamp weight (lb)	lamp (W)
		(mm)	(in)				(mm)	(in)		
SAL-UWLED 850M	34	850	33-1/2	2.2	0.13-0.07	16	848	33-1/4	0.5	12.7
SAL-UWLED 1000M	40	1000	39-3/8	2.4	0.16-0.08	19	998	39-3/16	0.6	14.6
SAL-UWLED 1250M	50	1250	49-1/4	2.6	0.19-0.09	23	1248	49	0.7	18.4
SAL-UWLED 1500M	60	1500	59-1/16	3.1	0.23-0.11	28	1498	58-7/8	0.9	21.6

Voltage: 100-277V, 50/60 Hz  
Dimmable: 0-10V. Dimmable to 6%  
Power: AC Power driver built in  
Finish: Aluminum anodized

## LAMP DATA

color code	color temp.	CRI	lumens (lm) per lamp length			
			850mm 33-1/4"	1000mm 39-3/16"	1250mm 49"	1500mm 58-7/8"
L24	2400	83	1082	1276	1646	1927
L28	2800	83	1107	1305	1683	1971
L30	3000	83	1132	1334	1720	2015
L35	3500	86	1181	1392	1795	2102
L42	4200	86	1205	1421	1833	2146
L50	5000	86	1230	1450	1870	2190

Average Lamp Life: 50,000 hrs.  
≤5% variation of lumens/foot within each color temperature, regardless of lengths are being used.

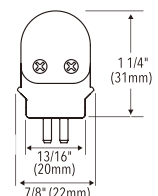
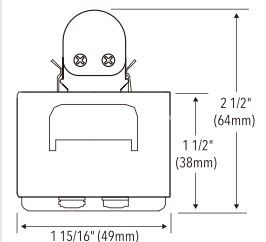
## DIMENSIONS

### Fixtures (Nominal Length)

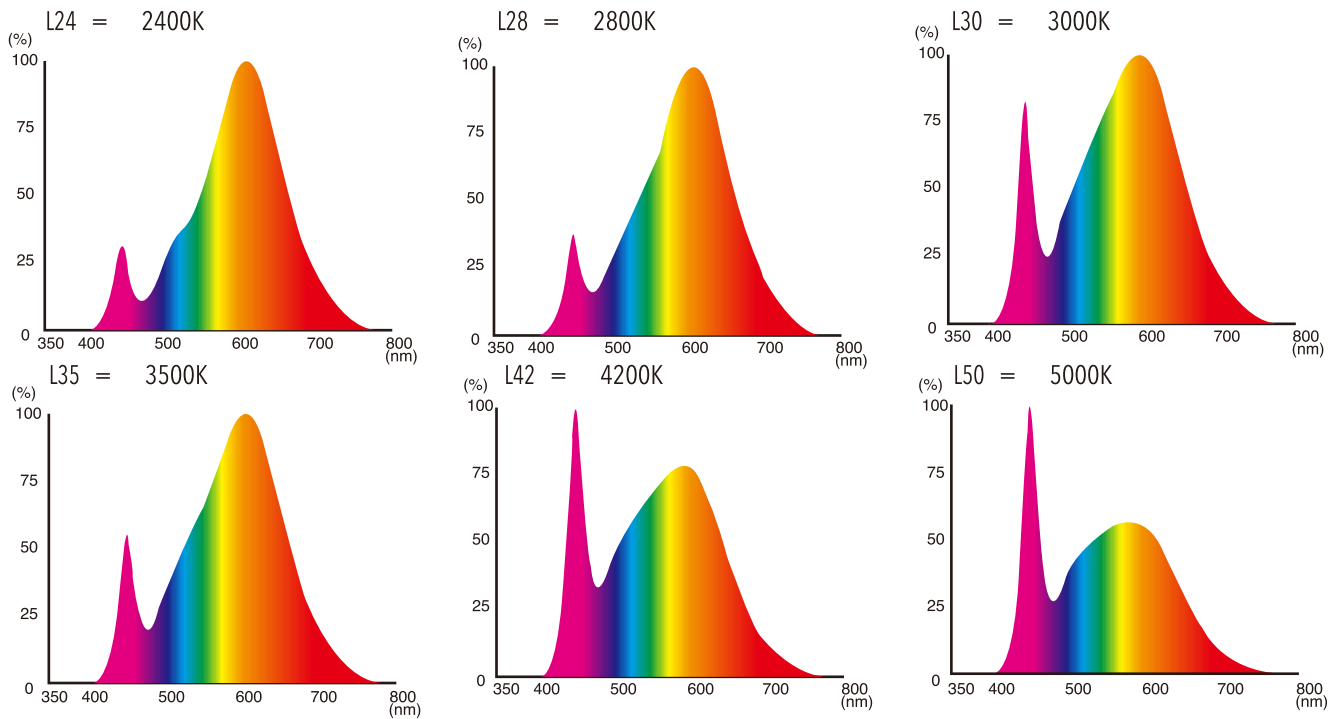
34" SAL-UWLED 850 M 850mm (33-1/2")	
40" SAL-UWLED 1000 M 1000mm (39-3/8")	
50" SAL-UWLED 1250 M 1250mm (49-1/4")	
60" SAL-UWLED 1500 M 1500mm (59-1/16")	

### Lamps (Nominal Length)

34" SLEDU 850 848mm (33-1/4")	
40" SLEDU 1000 998mm (39-3/16")	
50" SLEDU 1250 1248mm (49")	
60" SLEDU 1500 1498mm (58-7/8")	



SPECTRAL DATA



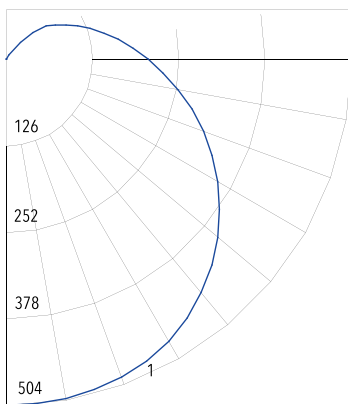
PHOTOMETRY

PHOTOMETRIC FILENAME : SAL-UWLED1500M(SLED-U1500L50-S5)\_DN

BEAM ANGLES: Vertical: 165°, Horizontal: 145°

POLAR GRAPH

SAL-UWLED1500M(SLED-U1500L50-S5)\_DN



Maximum Candela = 503.8 Located At Horizontal Angle = 90, Vertical Angle = 5  
 # 1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	47.88
10-20	138.91
20-30	214.90
30-40	267.26
40-50	290.59
50-60	284.93
60-70	254.55
70-80	207.92
80-90	156.95
90-100	118.27
100-110	88.46
110-120	63.64
120-130	40.14
130-140	14.58
140-150	1.90
150-160	0.00
160-170	0.00
170-180	0.00

CANDELA TABULATION

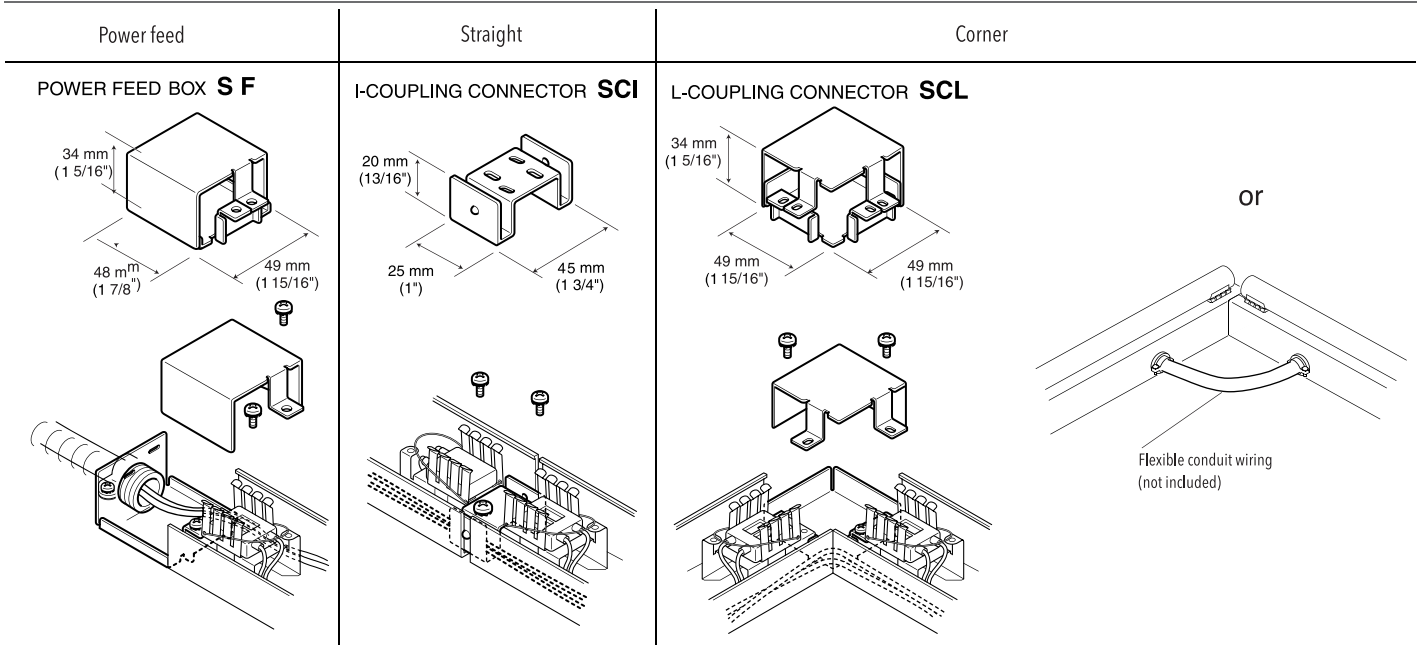
VERT. ANG.	HORIZONTAL ANGLE		
	0	45	90
0	503.6	503.6	503.6
5	502.1	503.0	503.8
10	495.6	499.3	502.1
15	482.8	493.0	498.4
20	465.8	481.5	493.0
25	444.2	467.3	484.7
30	418.6	449.8	473.7
35	389.2	429.6	459.5
40	356.0	405.7	443.3
45	321.3	380.0	424.1
50	283.7	352.5	402.9
55	245.0	324.1	380.4
60	204.8	294.6	356.0
65	163.4	266.2	331.4
70	122.1	237.7	306.2
75	82.6	211.2	280.9
80	45.9	185.4	255.1
85	16.6	161.6	230.4
90	0.0	141.3	207.5
95	0.0	123.0	186.4
100	0.0	106.4	166.2
105	0.0	92.6	147.8
110	0.0	80.7	130.4
115	0.0	69.8	114.7
120	0.0	61.6	100.9
125	0.0	45.9	88.0
130	0.0	26.6	76.1
135	0.0	6.4	55.2
140	0.0	0.0	31.7
145	0.0	0.0	7.4
150	0.0	0.0	0.0
155	0.0	0.0	0.0
160	0.0	0.0	0.0
165	0.0	0.0	0.0
170	0.0	0.0	0.0
175	0.0	0.0	0.0
180	0.0	0.0	0.0

COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC	80				70				50				30				10				0
	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	
0	116	116	116	116	111	111	111	111	103	103	103	95	95	95	88	88	88	85			
1	103	97	91	86	98	93	88	84	86	82	78	79	76	73	73	71	68	65			
2	92	83	75	68	88	79	72	66	73	68	62	68	63	59	63	59	55	52			
3	83	72	63	56	80	69	61	54	64	57	51	59	53	48	55	50	46	43			
4	76	63	54	46	72	61	52	45	56	49	43	52	46	41	48	43	39	36			
5	70	56	46	39	66	54	45	39	50	43	37	46	40	35	43	38	33	31			
6	64	50	41	34	61	48	40	33	45	37	32	42	35	30	39	33	29	26			
7	59	45	36	30	57	44	35	29	41	33	28	38	32	27	35	30	25	23			
8	55	41	32	26	53	40	32	26	37	30	25	35	28	24	33	27	23	21			
9	51	38	29	24	49	36	28	23	34	27	22	32	26	21	30	24	20	18			
10	48	35	27	21	46	34	26	21	32	25	20	30	24	19	28	22	18	17			

### ADJOINING DETAIL



### MOUNTING LOCATIONS

