

# SoftLook

Semi-Recessed Luminaire  
LED

## SL1 Series



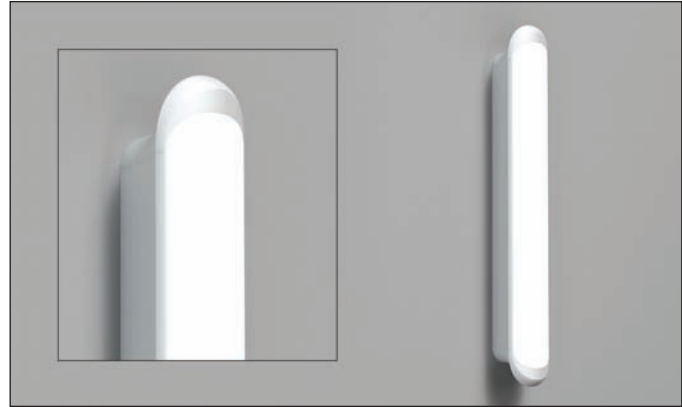
Project	Type
Project Location	
Catalog #	

### Description

SoftLook offers the versatility to satisfy a wide range of application opportunities. It can be wall- or ceiling-mounted and is available in four lengths and three standard finishes. The sleek form is not only aesthetically pleasing but is designed for easy cleaning. A uniform lens appearance is achieved with a long-life LED light source and with a CRI of 85, high quality illumination is delivered. The sealed optical compartment, with a wet location listing and IP65 rating, further enhances SoftLook's low maintenance characteristics.

**Additional Features:**

- SoftLook is ADA compliant.
- Available in 18", 24", 30" and 36" lengths.
- LED board and driver are field replaceable.
- All standard finishes have an antimicrobial additive to inhibit the growth of microbes.



### Specifications

**Construction** Extruded aluminum housing and die cast aluminum end caps. The back plate and back box are formed from 16 gauge galvanized steel. Translucent acrylic lens.

**Finish** The housing has a polyester powder-coat paint finish. All standard finishes have an antimicrobial finish to inhibit the growth of microbes.

**Light Source** The LED source is 3000K with a CRI of 85. The LEDs maintain a lumen output greater

than 70% of the initial lumen rating at 50,000 hours of life. LED source is field replaceable.

**Electrical** SoftLook utilizes an electronic driver and is available for 120v and 277v applications.

**Installation** A custom back box attaches to the back plate and can be repositioned in the field to work around wall or ceiling structure. (The back box for the SL118 model has a fixed location.) The SoftLook housing attaches to the back plate with set screws.

**Listing** UL and CUL Wet Location Listed. IP65 Rated. The luminaire is also IBEW (International Brotherhood of Electrical Workers) labeled. The antimicrobial has been listed with the U.S. Food and Drug Administration (FDA), certified by the National Sanitation Foundation (NSF) and registered with the U.S. Environmental Protection Agency.

### Ordering Information

Sample Catalog No: SL124 - 301 - 120 - SWH

Model Number	LED Color Temp.	Voltage	Finish
SL118	301 3000K	120	SWH Soft White
SL124		277	TPE Taupe
SL130			AL Aluminum
SL136			CC <sup>1</sup> Custom Color

<sup>1</sup> Customer to provide color chip to match.

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Semi-Recessed Luminaire

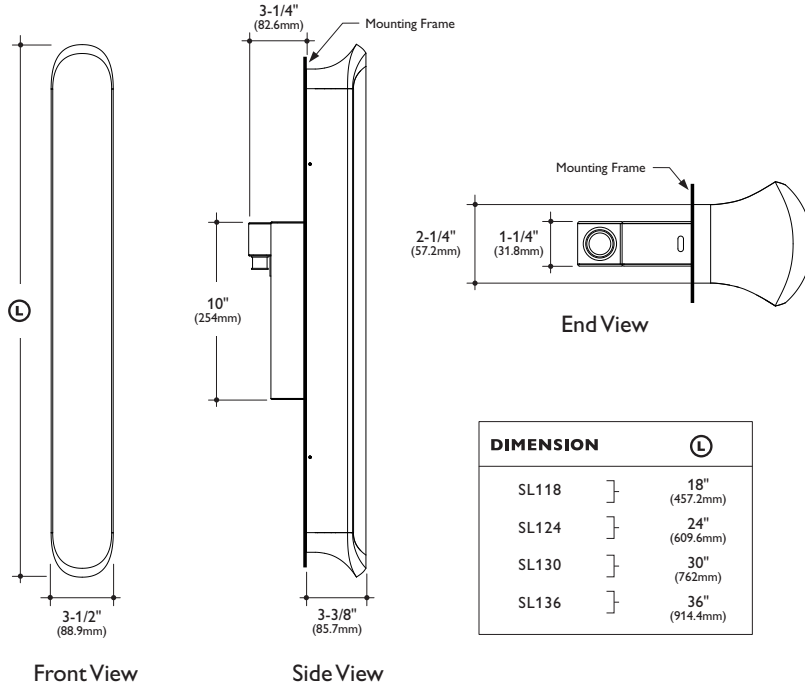
LED

SL1 Series



Project	Type
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## Dimensional Data



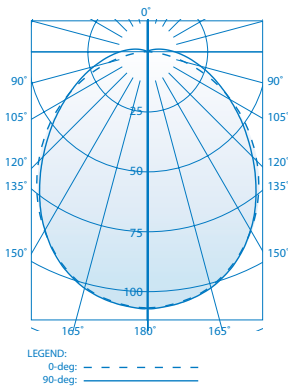
ELECTRICAL DATA - 120V				
Model	SL118	SL124	SL130	SL136
Watts	9.6	14.0	18.4	22.7
Amps	0.082	0.117	0.154	0.190
Power Factor	0.979	0.990	0.995	0.997

ELECTRICAL DATA - 277V				
Model	SL118	SL124	SL130	SL136
Watts	11.5	15.2	19.6	23.4
Amps	0.054	0.070	0.084	0.097
Power Factor	0.775	0.783	0.839	0.865

## Photometric Data

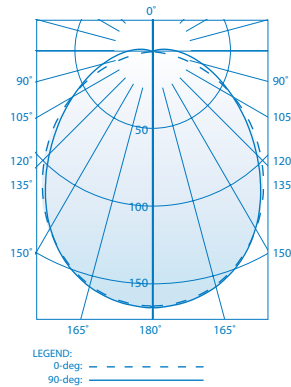
### SL118

(24) White LEDs  
 287 Lumens  
 Report No.: LTL24276  
 Tested per IESNA LM-79-08



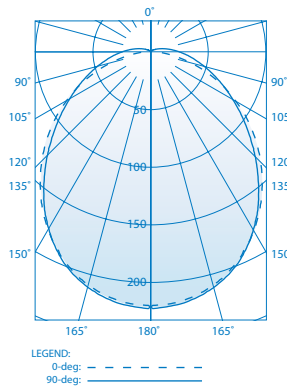
### SL124

(36) White LEDs  
 440.3 Lumens  
 Report No.: LTL24277  
 Tested per IESNA LM-79-08



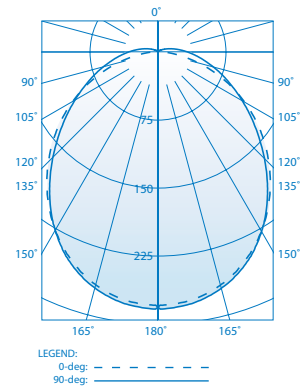
### SL130

(48) White LEDs  
 618.1 Lumens  
 Report No.: LTL24278  
 Tested per IESNA LM-79-08



### SL136

(60) White LEDs  
 772.8 Lumens  
 Report No.: LTL24279  
 Tested per IESNA LM-79-08



► Go to [www.alkco.com](http://www.alkco.com) for additional Photometric Data

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Semi-Recessed Luminaire  
LED  
SL1 Series

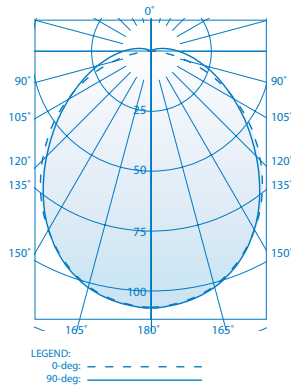


Project	Type
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## Photometric Data

### SL118

(24) White LEDs  
287 Lumens  
Report No.: LTL24276  
Tested per IESNA LM-79-08



### CO-EFFICIENTS OF UTILIZATION | Effective floor cavity reflectance=20%

rc rw	80				70				50			30			10			0	
	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0	
RCR	0	340	340	340	340	331	331	331	331	315	315	315	300	300	300	287	287	287	280
	1	309	295	282	270	300	287	276	265	284	274	255	261	253	246	250	244	238	231
	2	281	257	237	220	273	251	233	217	258	240	211	229	216	205	219	209	200	193
	3	257	226	203	284	249	221	199	182	235	212	178	203	187	174	194	181	170	163
	4	235	201	176	156	228	197	173	155	215	189	152	181	163	149	174	159	147	140
	5	217	180	154	135	210	176	152	134	198	170	132	163	145	130	157	141	128	122
	6	201	162	167	119	195	159	135	118	184	154	116	148	129	115	143	126	113	107
	7	186	148	123	105	181	147	121	105	171	140	103	135	116	102	131	114	101	95
	8	174	135	111	94	169	133	110	94	160	128	93	124	105	92	120	103	91	85
	9	162	124	101	85	158	122	100	85	150	118	84	115	96	83	111	95	82	77
	10	152	115	92	77	148	113	91	77	141	110	76	107	88	76	104	87	75	70

### CANDLEPOWER DISTRIBUTION

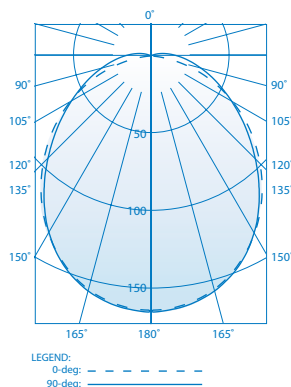
Vertical Angle	Horizontal Angle				
	0°	45°	90°	135°	180°
0°	107	107	107	107	107
5°	106	106	106	106	106
15°	101	101	101	102	102
25°	91	92	92	92	92
35°	78	78	78	77	78
45°	63	62	60	62	63
55°	47	46	45	46	47
65°	31	31	32	31	31
75°	15	20	22	20	15
85°	2	11	14	11	2
90°	0	7	11	7	0

### ZONAL LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixt.
0-30	80.8	N/A	28.2
0-40	129.4	N/A	45.1
0-60	218.3	N/A	76.1
0-90	280.1	N/A	97.6
90-120	6.8	N/A	2.4
0-180	287.0	N/A	100.0

### SL124

(36) White LEDs  
440.3 Lumens  
Report No.: LTL24277  
Tested per IESNA LM-79-08



### CO-EFFICIENTS OF UTILIZATION | Effective floor cavity reflectance=20%

rc rw	80				70				50			30			10			0	
	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0	
RCR	0	522	522	522	522	508	508	508	508	483	483	483	460	460	460	439	439	439	429
	1	474	452	432	414	461	441	423	406	420	405	391	401	389	377	383	373	364	354
	2	431	394	363	338	418	385	357	333	367	344	323	351	331	314	336	320	306	295
	3	394	347	311	282	382	339	305	278	324	296	272	311	286	266	298	278	260	250
	4	361	308	269	230	350	301	265	237	289	258	233	277	250	229	267	244	224	214
	5	333	276	237	207	322	270	233	206	260	227	202	250	222	199	241	216	196	186
	6	308	249	210	182	298	244	207	180	236	202	178	227	198	176	219	193	173	164
	7	286	226	188	161	277	222	186	160	215	182	158	207	178	156	200	174	154	146
	8	266	207	170	144	259	203	168	143	197	165	142	190	161	140	184	158	139	130
	9	249	190	154	130	242	187	153	129	182	150	128	176	147	127	171	145	126	118
	10	234	176	141	118	227	173	140	118	168	138	117	163	135	116	159	133	115	107

### CANDLEPOWER DISTRIBUTION

Vertical Angle	Horizontal Angle				
	0°	45°	90°	135°	180°
0°	164	164	164	164	164
5°	162	163	163	163	162
15°	155	155	156	155	155
25°	140	140	141	140	140
35°	120	120	118	120	120
45°	96	95	92	95	96
55°	72	70	69	70	72
65°	47	48	49	48	47
75°	23	30	38	30	23
85°	303	16	22	16	3
90°	0	11	17	11	0

### ZONAL LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixt.
0-30	123.7	N/A	28.1
0-40	198.2	N/A	45.0
0-60	334.3	N/A	75.9
0-90	429.4	N/A	97.5
90-120	10.9	N/A	2.5
0-180	440.3	N/A	100.0

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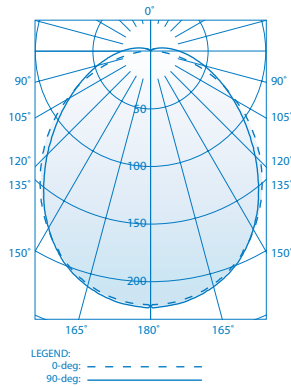


Project	Type
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### Photometric Data

#### SL130

(48) White LEDs  
618.1 Lumens  
Report No.: LTL24278  
Tested per IESNA LM-79-08



#### CO-EFFICIENTS OF UTILIZATION | Effective floor cavity reflectance=20%

rc rw	80				70				50			30			10			0
	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR 0	732	732	732	732	713	713	713	713	678	68	678	646	646	646	616	616	616	602
1	665	634	606	581	646	618	593	570	589	568	549	562	545	529	537	523	511	497
2	605	553	510	474	587	540	500	467	512	482	453	493	465	441	472	449	429	414
3	552	587	436	395	536	476	429	391	455	145	382	436	402	373	418	389	365	350
4	507	432	378	336	491	423	372	333	405	361	327	389	351	321	374	342	315	301
5	467	387	332	291	453	379	328	289	364	319	284	251	311	279	338	303	275	262
6	432	350	295	255	419	343	291	253	330	284	250	318	277	246	307	271	243	230
7	401	318	264	226	289	312	261	225	301	255	222	291	250	219	281	245	247	204
8	374	290	238	202	363	286	236	201	276	231	199	267	227	197	259	222	195	183
9	349	267	217	183	340	263	215	182	255	211	180	147	207	178	239	203	176	165
10	328	147	198	166	319	243	197	165	236	193	168	229	190	162	223	187	161	150

#### CANDLEPOWER DISTRIBUTION

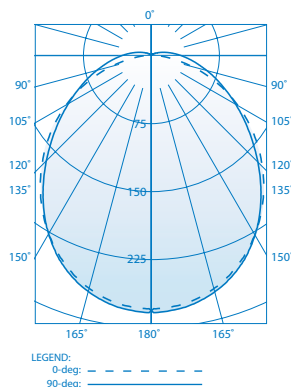
Vertical Angle	Horizontal Angle				
	0°	45°	90°	135°	180°
0°	230	230	230	230	230
5°	227	228	229	228	227
15°	217	218	219	218	217
25°	196	197	197	197	196
35°	168	168	165	168	168
45°	136	133	129	133	136
55°	102	99	97	99	102
65°	67	67	69	67	67
75°	33	42	47	42	33
85°	5	23	31	23	5
90°	0	16	24	16	0

#### ZONAL LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixt.
0-30	173.6	N/A	28.1
0-40	278.1	N/A	45.0
0-60	468.8	N/A	75.8
0-90	602.2	N/A	97.4
90-120	15.9	N/A	2.6
0-180	618.1	N/A	100.0

#### SL136

(60) White LEDs  
772.8 Lumens  
Report No.: LTL24279  
Tested per IESNA LM-79-08



#### CO-EFFICIENTS OF UTILIZATION | Effective floor cavity reflectance=20%

rc rw	80				70				50			30			10			0
	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR 0	915	915	915	915	892	892	892	892	847	847	847	807	807	807	770	770	770	752
1	831	791	756	725	807	772	740	711	735	709	685	701	680	660	670	653	639	618
2	755	690	636	590	733	673	624	582	643	601	565	614	579	579	588	559	534	516
3	689	607	543	492	668	593	534	486	567	516	475	543	500	464	520	484	454	436
4	632	539	471	419	613	527	464	414	505	450	406	485	437	399	466	425	391	374
5	582	483	413	362	564	472	407	359	454	397	353	436	386	347	420	377	342	325
6	538	435	366	317	522	427	362	315	411	353	310	396	345	306	382	337	302	285
7	500	396	328	281	485	388	324	279	375	317	276	362	310	272	349	304	269	253
8	466	362	296	251	452	355	293	250	343	287	247	332	281	244	322	276	242	227
9	435	322	269	227	423	327	267	225	317	262	223	307	257	221	298	252	219	204
10	409	307	146	206	398	302	244	205	293	240	203	285	236	201	277	231	199	186

#### CANDLEPOWER DISTRIBUTION

Vertical Angle	Horizontal Angle				
	0°	45°	90°	135°	180°
0°	283	283	283	283	283
5°	279	281	283	281	279
15°	267	268	180	268	267
25°	242	244	245	244	242
35°	208	208	206	208	208
45°	169	166	162	166	169
55°	127	123	121	123	127
65°	84	85	87	85	84
75°	41	53	60	53	41
85°	7	30	39	30	7
90°	0	21	30	21	0

#### ZONAL LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixt.
0-30	214.4	N/A	27.7
0-40	344.2	N/A	44.5
0-60	583.0	N/A	75.4
0-90	752.3	N/A	97.3
90-120	20.5	N/A	2.7
0-180	772.8	N/A	100.0

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