

# FINELITE

## Series X1-E Technical Sheet



**Series X1-E with White Cross Blade (WCB) baffle and optional diecast extended endcap. Also available with Parabolic Louver (PLV) semi-specular louvers (not shown).**

### DESCRIPTION

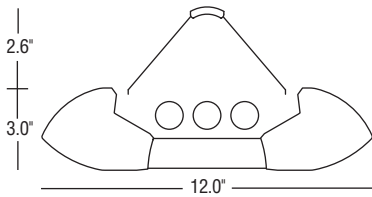
Series X1-E is a pleasant elliptical shape with soft curves and clean lines. Series X1-E mounts On-Grid™ and includes unique features such as adjustable mounting points, and a surface mount option. Choose from three downlight shieldings, four uplight optical controls, and two different endcaps. The luminaire is available in 4', 8', and 12' lengths and comes standard in 1, 2, or 3 T8, T5 or T5HO cross-sections.

Date

Project

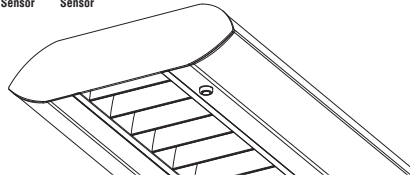
Type

Comments



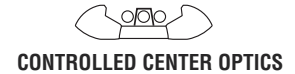
### DIMENSIONS / LAMPING:

Available in 1, 2 or 3 T8, T5 or T5HO lamps.



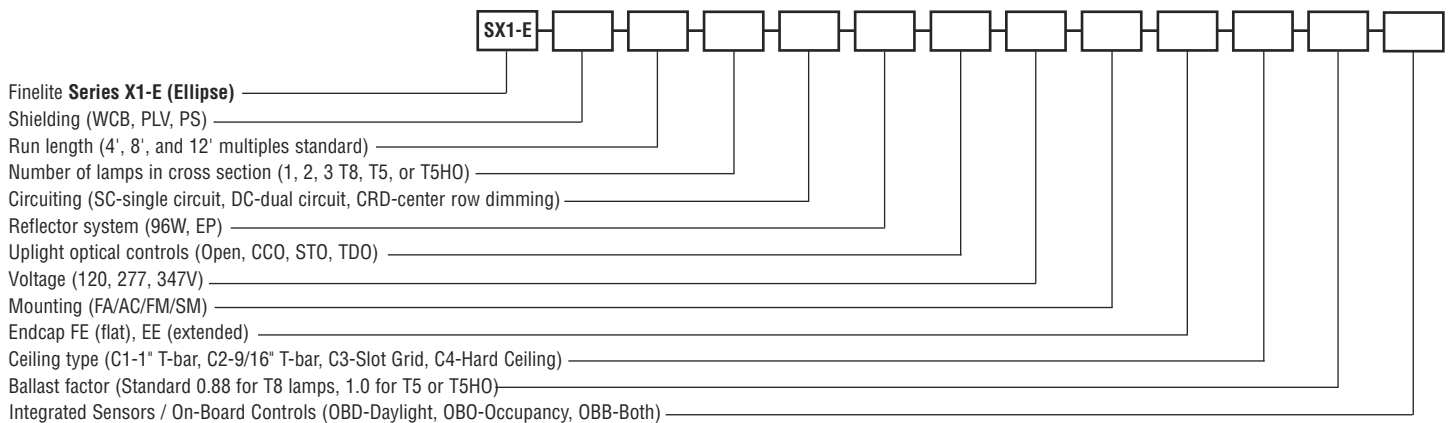
### INTEGRATED SENSORS:

Series X1-E can be specified with integrated daylight or occupancy sensors.



### ORDERING GUIDE

Sample Number: SX1-E - WCB - 32' - 2T8 - SC - 96W - OPEN - 277 - FA - FE - C1 - 0.88 - OBO



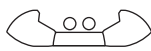
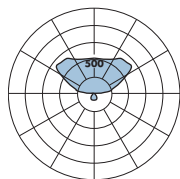
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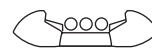
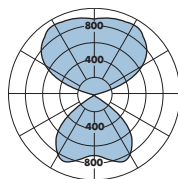
### PHOTOMETRY



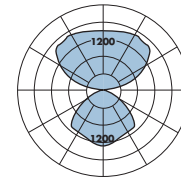
SX1-E: PS-1 T8-EP-Open  
Efficiency: 86.9%  
Peak Candela Value: 679@ 125°  
LSI Report: 19513



SX1-E: PLV-2 T8-96W-Open  
Efficiency: 84.7%  
Peak Candela Value: 961@ 145°  
LSI Report: 19483



SX1-E: PLV-3 T8-EP-Open  
Efficiency: 85.3%  
Peak Candela Value: 1396@ 145°  
LSI Report: 19488



CANDLEPOWER SUMMARY						
	0	22.5	45	67.5	90	Flux
0	96	96	96	96	96	
5	96	96	96	97	97	9
15	92	93	95	99	99	27
25	83	86	91	96	98	42
35	71	76	83	87	88	50
45	55	61	66	64	63	48
55	38	43	41	41	40	37
65	21	22	27	28	28	25
75	6	11	14	15	16	13
85	0	0	1	1	1	2
90	0	0	0	0	0	0
95	13	61	115	100	95	94
105	88	220	255	289	305	252
115	177	296	456	462	466	378
125	264	341	510	643	679	435
135	344	388	529	634	666	397
145	412	434	511	591	632	323
155	466	475	510	544	560	236
165	504	505	517	524	528	146
175	524	521	524	521	520	50
180	521	521	521	521	521	

CANDLEPOWER SUMMARY						
	0	22.5	45	67.5	90	Flux
0	711	711	711	711	711	0
5	712	705	707	714	714	69
15	664	673	714	761	779	203
25	594	628	726	824	866	335
35	499	569	709	771	806	420
45	359	461	566	615	661	409
55	159	238	311	326	341	251
65	30	44	56	78	92	68
75	4	7	9	11	14	12
85	0	0	0	0	1	1
90	0	0	0	0	0	0
95	18	45	32	31	31	46
105	133	262	275	245	235	256
115	281	419	539	572	566	479
125	432	551	696	761	786	583
135	574	657	800	879	904	592
145	696	750	856	931	961	526
155	793	823	885	930	949	405
165	861	871	902	916	924	253
175	897	894	903	900	899	87
180	897	897	897	897	897	

CANDLEPOWER SUMMARY						
	0	22.5	45	67.5	90	Flux
0	1227	1227	1227	1227	1227	
5	1223	1215	1215	1219	1220	117
15	1139	1134	1139	1151	1157	321
25	1018	1010	1011	1053	1085	475
35	853	850	893	995	1068	578
45	616	640	769	879	938	583
55	274	330	463	529	597	390
65	57	69	107	170	199	129
75	12	17	21	26	31	26
85	1	3	5	7	8	6
90	0	0	0	0	0	0
95	34	106	121	121	116	128
105	200	395	480	528	533	464
115	417	619	807	868	881	727
125	638	806	1060	1167	1185	878
135	842	955	1168	1312	1374	876
145	1018	1084	1250	1363	1396	767
155	1161	1191	1280	1352	1382	588
165	1260	1263	1303	1322	1333	367
175	1311	1304	1314	1305	1304	127
180	1309	1309	1309	1309	1309	

— Refer to [www.finelite.com](http://www.finelite.com) for additional photometry and product information.

### SPECIFICATIONS

**CONSTRUCTION:** Body is 6063-T6 extruded aluminum with steel joiner system, and plug-together wiring standard. End brackets are constructed of 18-gauge steel. All components are hard-tooled to tolerances of 0.010".

**ENDCAPS:** (FE) Flat endcap standard, 14 gauge die-formed steel, adds 0.1" at each end. Optional Extended endcap (EE) adds 3.75" to each end.

**REFLECTORS:** (96W) Die-formed, 96% reflective white. Optional: (EP) Extended Performance reflector system.

#### UPLIGHT OPTICAL OPTIONS:

Open	No optical control.
CCO	Controlled Center Optics, covers center lamp, 100% downlight (center only).
STO	Soft Top Optic, perforations cover the lamps.
TDO	Totally Direct Optic, solid top above lamps.

#### DOWNLIGHT SHIELDING OPTIONS:

WCB	White Cross Blade baffle, white cross blades spaced approximately 1" apart.
PLV	Parabolic Louver, semi-specular louvers with straight edges, spaced approximately 1" apart.
PS	Perf Shield, concave shield with round perforations.

**ACCESSORY:** Optional Dust Cover, clear acrylic, T8 lamps only. NOTE: Will significantly impact light level performance. Contact Factory.

**ELECTRICAL:** 120 or 277V prewired. Fixture and electrical components UL/C-UL listed and will bear UL/C-UL labels. Optional Adders: 347V dual circuit, emergency circuits, emergency battery packs. Contact factory.

**INTEGRATED SENSORS:** Series X1-E can be specified with integrated sensors from Wattstopper, Philips, and Lutron. **Daylight Sensors:** Wattstopper sensors can be supplied with either a closed loop 0-10v dimming (hand-held remote supplied) or closed loop single zone switching system. The Lutron sensor is directional and for use with Ecosystem ballasts. The Philips sensor is a closed loop 0-10v sensor for use with Advance Mark 7 ballasts. **Occupancy Sensor:** Wattstopper occupancy sensor is a PIR sensor with additional hold-off daylight feature.

**LAMPING:** Available in 1, 2 or 3 T8, T5 or T5HO lamp cross sections. Lamp diffuser included with T5HO lamps.

**BALLAST:** Electronic instant-start ballast <10% THD, 0.88 BF standard for T8 lamps. Electronic rapid-start ballasts <10% THD, 1.0 BF standard for T5/T5HO lamps. Optional adders: rapid-start ballasts (standard for T5/T5HO), 347V, emergency battery packs, dimming ballasts (controls by others). Contact factory for multiple ballast factors in one luminaire.

**MOUNTING OPTIONS:** (FA) 50" fully Adjustable aircraft cable standard with safety stop. Contact factory for additional lengths up to 150". Mounting connects to fixture with factory-installed Level and Lock™ Assembly, which allows side-to-side fixture leveling and locks it into place. NOTE: Curved balancer assembly is 2.6" above top of fixture. Optional: (AC) Semi-adjustable aircraft cable (± 0.5 ) in lengths of 12", 15", 18", 21", 24", 27", 30", 36".

Optional: (FM) Flexible Mounting Bracket, adjusts along the length of the fixture to accommodate existing feeds.

Optional: (SM) Surface Mount mounts directly to ceiling surface. TDO required for SM.

**SUPPORT CABLES:** Plated steel cable and hardware.

**FEED:** 18 gauge straight cord. 14 gauge feed cord used when fixture current exceeds 5 amps. Optional Adders: Coil Cord Feed requires flexible mounting bracket.

**FINISHES:** Finelite Signal White standard. Optional Adders: 185 colors available from Tiger Drylac's RAL color chart.

**LENGTHS:** 4', 8', and 12' section lengths can be combined to make longer runs. Contact factory for additional lengths.

**WEIGHT:** Fixture weight = 2.0 lb/ft.