

FINELITE

Series X1-0 Technical Sheet



Series X1-0 with White Cross Blade (WCB) baffle and standard flat endcap. Also available with Parabolic Louver (PLV) semi-specular louvers (not shown).

DESCRIPTION

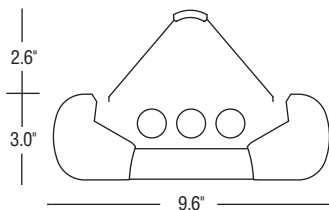
Series X1-0 is a classic oval that delivers timeless beauty for today's classroom and office environments. Series X1-0 mounts On-Grid™ and includes unique features such as adjustable mounting points, and a surface mount option. Choose from three down-light shieldings and four uplight optical controls. 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

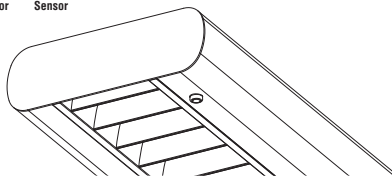
Type

Comments



DIMENSIONS / LAMPING:

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

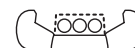


INTEGRATED SENSORS:

Series X1-0 can be specified with integrated daylight or occupancy sensors.



CONTROLLED CENTER OPTICS



SOFT TOP OPTICS



TOTALLY DIRECT OPTICS

ORDERING GUIDE

Sample Number: SX1-0 - WCB - 32' - 2T8 - SC - 96W - OPEN - 277 - FA - FE - C1 - 0.88 - OBO

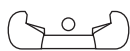


- Finelite Series X1-0 (Oval) _____
- Shielding (WCB, PLV, PS) _____
- Run length (4', 8', 12' multiples standard) _____
- Number of lamps in cross section (1, 2, 3 T8, T5, or T5HO) _____
- Circuiting (SC-single circuit, DC-dual circuit, CRD-center row dimming) _____
- Reflector system (96W, EP) _____
- Uplight optical controls (Open, CCO, STO, TDO) _____
- Voltage (120, 277, 347V) _____
- Mounting (FA/AC/FM/SM) _____
- Endcap FE (flat) _____
- Ceiling type (C1-1" T-bar, C2-9/16" T-bar, C3-Slot Grid, C4-Hard Ceiling) _____
- Ballast factor (Standard 0.88 for T8 lamps, 1.0 for T5 or T5HO) _____
- On-Board Controls (OBD-Daylight, OBO-Occupancy, OBB-Both) _____

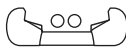
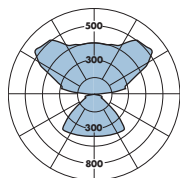
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Series X1-O Technical Sheet

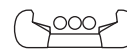
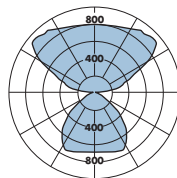
PHOTOMETRY



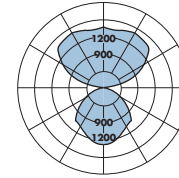
SX1-O: WCB-1 T8-EP-Open
Efficiency: 92.6%
Peak Candela Value: 556@ 125°
LSI Report: 19511



SX1-O: WCB-2 T8-EP-Open
Efficiency: 90.4%
Peak Candela Value: 1017@ 135°
LSI Report: 19477



SX1-O: WCB-3 T8-EP-Open
Efficiency: 90.3%
Peak Candela Value: 1455@ 145°
LSI Report: 19486



CANDLEPOWER SUMMARY						
	0.0	22.5	45.0	67.5	90.0	Flux
0	330	330	330	330	330	
5	327	325	326	328	329	31
15	295	297	309	327	336	88
25	252	259	286	325	349	135
35	202	214	257	319	364	168
45	148	164	219	277	303	168
55	90	102	139	136	132	110
65	55	57	64	64	66	62
75	27	29	33	40	49	37
85	4	5	7	8	10	9
90	0	0	0	0	0	
95	14	57	106	91	87	86
105	82	184	213	246	264	217
115	163	257	388	404	397	324
125	240	288	433	535	556	367
135	298	323	443	525	547	330
145	344	358	400	475	509	261
155	378	382	401	415	423	185
165	396	396	402	404	405	113
175	406	403	406	403	402	39
180	404	404	404	404	404	

CANDLEPOWER SUMMARY						
	0	22.5	45	67.5	90	Flux
0	769	769	769	769	769	
5	764	758	761	767	768	74
15	687	693	728	774	795	207
25	584	607	680	772	824	317
35	464	503	606	685	739	372
45	330	378	453	509	558	342
55	191	220	273	295	303	233
65	117	121	133	122	113	127
75	60	63	70	80	91	76
85	11	13	15	18	21	19
90	0	0	0	0	0	
95	26	80	124	127	127	111
105	164	318	326	363	381	339
115	330	466	653	628	610	548
125	490	581	799	945	953	674
135	620	676	842	957	1017	636
145	726	757	853	941	981	533
155	804	816	865	901	920	398
165	853	853	870	877	883	246
175	877	872	879	873	871	85
180	875	875	875	875	875	

CANDLEPOWER SUMMARY						
	0	22.5	45	67.5	90	Flux
0	1326	1326	1326	1326	1326	
5	1311	1302	1303	1312	1314	125
15	1177	1172	1182	1209	1224	334
25	1001	992	1002	1059	1108	472
35	795	785	821	926	1016	537
45	564	566	646	800	894	524
55	316	340	439	521	597	393
65	191	195	217	273	298	235
75	100	105	115	130	146	126
85	23	27	31	35	40	35
90	0	0	0	0	0	
95	47	109	130	126	119	135
105	254	411	501	546	550	487
115	508	663	841	899	911	768
125	755	878	1102	1206	1223	930
135	967	1034	1236	1366	1427	931
145	1141	1168	1318	1427	1455	814
155	1273	1274	1343	1409	1439	621
165	1358	1349	1367	1373	1380	386
175	1400	1390	1399	1388	1383	134
180	1397	1397	1397	1397	1397	

— Refer to 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.

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 with straight edges 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 fixture will bear UL/C-UL labels. Optional Adders: 347V ballast, prewired dual circuit, emergency circuits, emergency battery packs. Contact factory.

INTEGRATED SENSORS: Series X1-E can be specified with integrated closed loop daylight 0-10v dimming or switching sensors, and occupancy sensors. Standard sensors by Wattstopper include: FD-301 daylight dimming photosensor, LS-102 daylight switching photosensor, and the FS-205 PIR occupancy sensor. Sensors by Lutron are also available.

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.