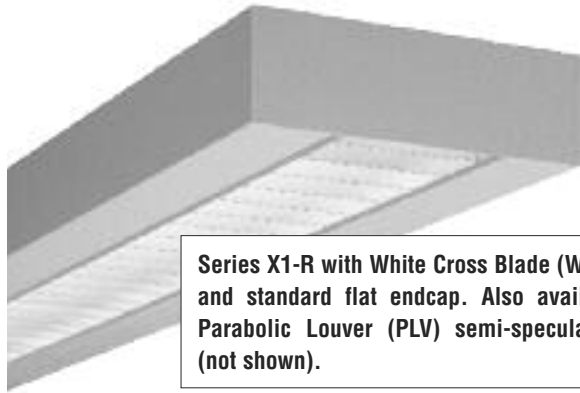


# FINELITE

## Series X1-R Technical Sheet



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

Date

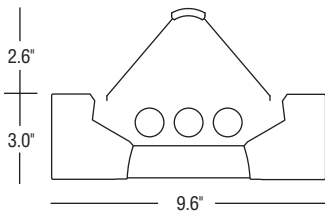
Project

Type

Comments

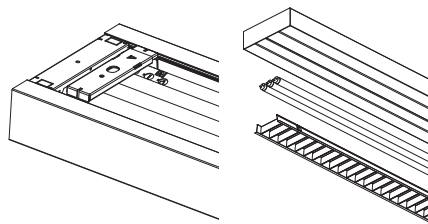
### DESCRIPTION

Series X1-R is a rectilinear shape with simple clean lines for easy integration into many architectural environments. Series X1-R mounts On-Grid™ and includes unique features such as adjustable mounting points, and a surface mount option. Choose from three downlight 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 lamp cross-sections.



### DIMENSIONS / LAMPING:

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



### OPTIONAL SURFACE MOUNT:

Series X1 can be directly mounted to the ceiling with the flexible mounting bracket. The fixture is serviceable from below.



**CONTROLLED CENTER OPTICS**



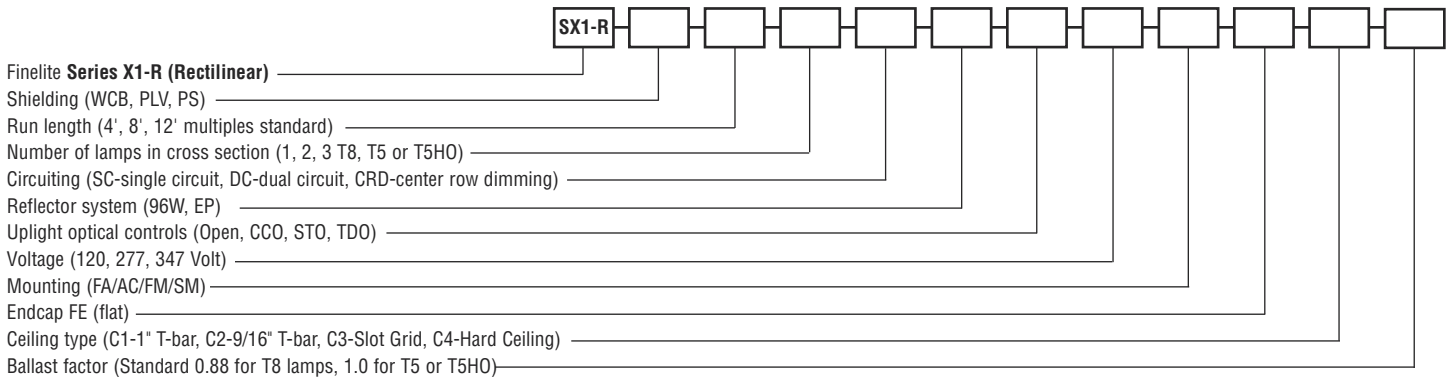
**SOFT TOP OPTICS**



**TOTALLY DIRECT OPTICS**

### ORDERING GUIDE

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



Finelite **Series X1-R (Rectilinear)**

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, 347 Volt)

Mounting (FA/AC/FM/SM)

Endcap FE (flat)

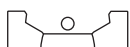
Ceiling type (C1-1" T-bar, C2-9/16" T-bar, C3-Slot Grid, C4-Hard Ceiling)

Ballast factor (Standard 0.88 for T8 lamps, 1.0 for T5 or T5HO)

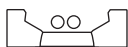
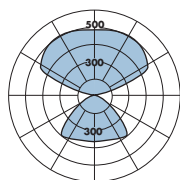
# FINELITE

## Series X1-R Technical Sheet

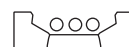
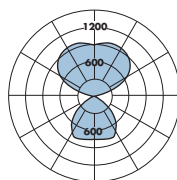
### PHOTOMETRY



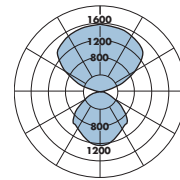
SX1-R: WCB-1 T8-96W-Open  
 Efficiency: 92.8%  
 Peak Candela Value: 500@ 155°  
 LSI Report: 19505



SX1-R: WCB-2 T8-96W-Open  
 Efficiency: 90.8%  
 Peak Candela Value: 1017@ 155°  
 LSI Report: 19478



SX1-R: WCB-3 T8-96W-Open  
 Efficiency: 91.3%  
 Peak Candela Value: 1608@ 180°  
 LSI Report: 19494



CANDLEPOWER SUMMARY						
	0	22.5	45	67.5	90	Flux
0	336	336	336	336	336	
5	334	331	333	335	336	32
15	302	304	316	334	343	90
25	259	266	294	333	356	138
35	210	223	266	329	372	173
45	156	172	228	292	322	177
55	98	110	150	159	165	124
65	60	62	71	85	98	73
75	30	32	36	43	52	40
85	5	6	7	9	11	9
90	0	0	0	0	0	
95	17	32	30	27	25	35
105	97	162	199	166	149	172
115	193	247	336	401	403	311
125	283	331	393	448	467	345
135	352	379	437	473	488	330
145	408	421	466	491	499	287
155	449	454	475	492	500	219
165	474	474	482	486	488	136
175	487	484	487	484	483	47
180	485	485	485	485	485	

CANDLEPOWER SUMMARY						
	0	22.5	45	67.5	90	Flux
0	776	776	776	776	776	
5	772	765	768	775	776	74
15	696	702	736	781	803	209
25	594	615	688	779	831	321
35	474	512	614	691	742	377
45	341	387	460	523	579	351
55	202	229	286	329	351	252
65	123	127	141	154	161	144
75	63	66	73	84	95	80
85	12	14	16	19	23	20
90	0	0	0	0	0	
95	30	50	38	36	34	52
105	183	287	290	260	247	279
115	367	482	576	599	588	524
125	544	639	750	804	822	641
135	688	752	866	921	936	646
145	807	843	937	986	1001	574
155	898	913	965	1001	1017	442
165	957	956	979	988	993	276
175	986	981	989	983	979	95
180	985	985	985	985	985	

CANDLEPOWER SUMMARY						
	0	22.5	45	67.5	90	Flux
0	1301	1301	1301	1301	1301	
5	1285	1278	1281	1288	1290	123
15	1154	1152	1166	1195	1211	329
25	982	978	995	1054	1099	467
35	781	777	818	923	1008	534
45	556	564	644	808	907	525
55	314	340	445	539	620	401
65	190	195	218	284	318	240
75	99	105	115	130	143	125
85	23	26	29	34	38	35
90	0	0	0	0	0	
95	52	80	62	57	54	83
105	296	406	389	377	362	395
115	586	709	789	768	754	725
125	863	956	1122	1166	1159	946
135	1100	1160	1287	1392	1427	982
145	1300	1327	1417	1477	1497	879
155	1455	1455	1513	1538	1548	692
165	1559	1546	1568	1573	1576	442
175	1612	1600	1607	1595	1588	155
180	1608	1608	1608	1608	1608	

— 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.

**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.

**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.