

Maximum versatility
highly
efficient
 and simple to use.

SQS1 SERIES LENS SPECTROFFER



1' X 4' RECESSED FLUORESCENT LENS SPECTROFFER
 12" WIDTH, 4 $\frac{5}{8}$ " DEEP, 48" NOMINAL LENGTH
 STATIC, 2 LAMP T5, T5HO, OR T8

SpecTroffer offers a specification grade, built-in clips and positive clamping by screws. A clean contoured one piece housing offers extra rigidity and added strength. The Slimline door frame allows for a 1000 square inch lens opening maximizing light output.

Project: _____
 Location: _____
 Catalog No: _____
 Fixture Type: _____
 Mfg: _____ Lamps: _____ Qty: _____
 Notes: _____

Ordering Guide

Explanation of Catalog Number Example: **SQS1GF5VA232120SO**

Family	Static	Fixture Width	Ceiling Type	Lens Frame	Lens/Shielding Designation	Lamp Quantity (By Others)	Lamp/ Fixture Length	Voltage	Ballast Type	Options
SQ	S	1	G	FS	VA	2				
SpecTroffer Recessed Fluorescent Troffer	S = Static	1 = 12"	G = Grid (Lay-in T-Bar)	FS = Flat Steel Frame	VA = Pattern 12 Nominal .095" Acrylic Standard	2 = 2 Lamps	28 = 28W T5 32 = 32W T8 54 = 54W T5HO	UNV = 120/277V 120 = 120V 277 = 277V 347 = 347V	SO = 1-2 Lamp T8 Elect. I.S. THD<20% RO = 1-2 Lamp T8 Elect. R.S. THD<10% PS = 1-2 Lamp T8 Elect. LOL Dimming THD<10% PG = 1-2 Lamp T5 Elect. P.S. THD<10% Other Dimming Options, Consult Your Philips Lighting Representative.	Add Appropriate Suffix to Catalog Number i.e., O

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Features

- Efficiency 61.7%.
- Black exterior for cooler running conditions.
- One-piece housing.
- Flush steel full-size door frame.
- Regressed extruded aluminum door frame optional (RA).
- Cam-action latches.
- Twin knock-out access plate for easy closed door frame wiring.
- Luminaire side rails with rolled-over edges for maximum safety.

Specifications

Materials: Chassis parts are die-formed 20 gauge cold rolled steel.

Finish: Chassis exterior—black baked polyester enamel. Cavity—white baked polyester enamel minimum 86% reflectance. Phosphate undercoating.

Lens: Extruded virgin acrylic 3/16" square based female cones, running 45° to the panel edge, 0.095" nominal thickness (similar to pattern 12).

Electrical: Rapid start HPF, thermally protected class "P" ballast C.B.M. certified by E.T.L. If K.O. is within 3" of ballast, use wire suitable for at least 90°.

Labels: Listed by CSA.

This product may have a mercury containing lamp. Manage in accord with Disposal Laws. See: www.lamprecycle.org

Options/Accessories

Lens/shielding:

VB: Pattern 12, .125" nominal prismatic.

VY: Pattern 12, .125" minimum prismatic.

KA: Pattern 19, .156" nominal prismatic.

AP: Parabolic louver, acrylic silver, 1/2" x 1/2" x 1/2".

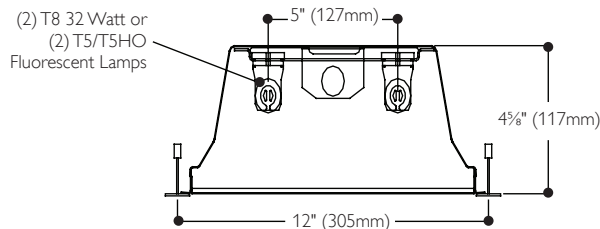
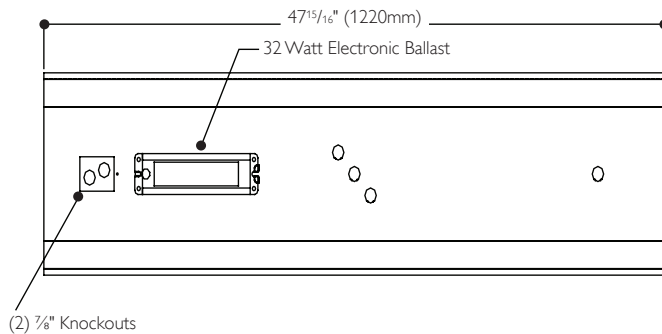
SA: Parabolic louver, acrylic silver, 1 1/2" x 1 1/2" x 1".

Drywall Kit: For plaster frames, order Catalog Number: **FK91X4**.

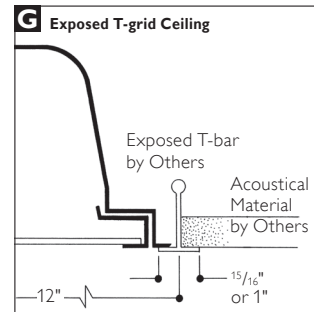
Emergency Lighting System: Factory installed emergency power pack includes charger and inverter concealed in fixture channel. Upon loss of AC power, operates one lamp at reduced light. SUFFIX: **O**.

Radio Interference Filter: 120, 277 volt, 50 or 60 Hz. One per fixture. Suffix: **R**.

Dimensions



Mounting Methods



FK91X4 Drywall Kit

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Performance

Model No. SQS1GFSVA232120SO

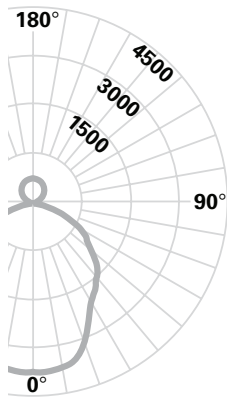
Report Number: LSC9902

Catalog Number: SQS1GFSVA232120SO

Lamp: (2) F32T8/TL841

Report is based on 2950 lumens per lamp.

Efficiency: 61.7%



Candela Distribution

Angle	0.0	22.5	45.0	67.5	Across
0	1615	1615	1615	1615	1615
5	1616	1608	1607	1596	1601
10	1590	1583	1600	1590	1592
15	1553	1548	1555	1554	1556
20	1500	1492	1512	1508	1500
25	1423	1430	1433	1426	1420
30	1331	1338	1339	1304	1289
35	1215	1219	1201	1161	1146
40	1077	1072	1050	1015	1010
45	913	908	880	855	861
50	721	717	716	694	715
55	551	546	547	520	521
60	410	393	379	372	363
65	297	279	244	271	261
70	204	199	170	207	210
75	152	141	131	167	172
80	109	98	100	113	132
85	51	45	58	65	59
90	0	0	0	0	0

Coefficients of Utilization

Ceiling	80%			70%			50%			
Wall	70	50	30	50	30	10	50	30	10	
RCR	Zonal Cavity Method— Effective Floor Cavity Reflectance = 0.20									
Room Cavity Ratio	1	68	66	64	65	62	61	62	60	59
	2	63	59	55	58	54	52	56	53	51
	3	58	53	49	52	48	45	50	47	44
	4	54	48	43	47	43	39	45	42	39
	5	50	43	38	42	37	34	41	37	34
	6	46	39	34	38	33	30	37	33	30
	7	43	35	30	35	30	26	34	29	26
	8	40	32	27	31	26	23	30	26	23
	9	36	29	24	28	24	20	27	23	20
	10	34	26	21	26	21	18	25	21	18

Zonal Lumen Summary

Zone	Lumens	% Lamp	% Fixt
0-30	1246	21.13	34.22
0-40	1989	33.71	54.61
0-60	3148	53.37	86.45
0-90	3642	61.74	100.00
40-90	1653	28.02	45.39
60-90	493	8.37	13.55
90-180	0	0.00	0.00
0-180	3642	61.74	100.00



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Specifications are subject to change without notice.
www.philips.com/luminaires

SQS1GFSVA232_Troffer 10/13 page 3 of 3

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