

Maximum versatility highly efficient and simple to use.

SQS2GFSVA332
SPECTROFFER



2' X 4' RECESSED FLUORESCENT LENS FRAME TROFFER STATIC ONLY, 3 LAMP T5, T5HO, OR T8

SpecTroffer offers a specification grade 4" deep body, 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: **SQS2GFSVA332120SO**

Family	Static	Fixture Width	Ceiling Type	Lens Frame	Lens/Shielding Designation	Lamp Quantity	Lamp/ Fixture Length	Voltage	Ballast Type	Options
SQ	S	2	G	FS	VA	3				
SpecTroffer Recessed Fluorescent Shallow Design Troffer	S = Static	2 = 2'	G = Grid (Lay-in T-Bar)	FS = Flat Steel Frame	VA = (Virgin Acrylic) Standard (See Options and Consult Your Philips Lighting Representative)	3 = 3 Lamps	28 = T5 32 = T8 54 = T5HO (Nominal 48")	UNV = 120/277V 120 = 120V 277 = 277V 347 = 347V	<20THD <10THD 03* R3** 1-3 Lamp Elect. T8 PS — LOL T8 Dimming PG = T5/T5HO Elect. P.S. 2 Lamp THD<10% PV = T5/T5HO Elect. P.S. 4 Lamp THD<10% * Instant Start Standard ** Rapid Start Standard	Add Appropriate Suffix to Catalog Number

Features

- Efficiency 72.2%.
- Shallow 4" depth.
- One-piece housing.
- Flat steel full-size lens frame.
- Cam-action latches.
- Twin knock-out access plate for easy closed lens frame wiring.
- Built-in hold-down clip.
- Luminaire side rails with rolled-over edges for maximum safety.

Specifications

Performance: In an installation of 3 lamp 32W luminaires in a room cavity ratio of 1, with reflectance of 80% ceiling, 50% walls, 20% floor, the C.U. shall not be less than .77. To reduce glare the average luminance at 65 shall not exceed 1958 candelas per square meter. To control veiling reflections, luminaire output in the 30°–90° zone shall be not less than 67%.

Materials: Chassis parts are die-formed code gauge cold rolled steel. Lens frames—flat full-size steel frame, (RA) regressed full-sized aluminum frame.

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: Prismatic acrylic lens, pattern 12, .125" nominal thickness.

VY: Prismatic acrylic lens, pattern 12, .130" nominal thickness.

KA: Prismatic acrylic lens, pattern 19, .156" nominal thickness.

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 7/8".

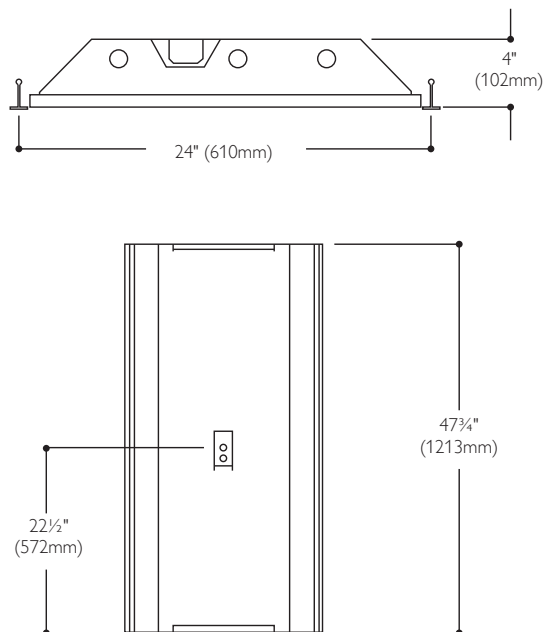
Drywall Kit: For plaster frames, order Catalog Number: **FK92X4**.

Emergency Lighting System: SUFFIX: **O**. Emergency battery pack with charger. (90 minutes at 15% of lumens for 1 lamp).

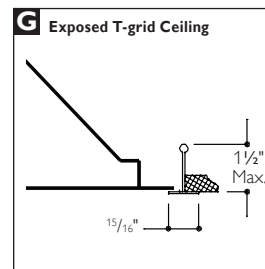
Radio Interference Filter: 120, 277 or 347 volt, 50 or 60 Hz. Suffix: **R**.

Ballast Options: For other ballast options, consult your Philips Lighting representative.

Dimensions



Mounting Methods



SQS2GFSVA332 SPECTROFFER

Performance

Model No. SQS2GFSVA332120SO

Report Number: 8206

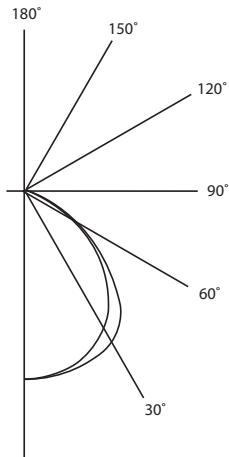
Catalog Number: SQS2GFSVB340120SO

Lamp: (3) F32T8/TL835

Ballast: Advance REL-3P32-RH-TP

Report is based on 2950 lumens per lamp.

Efficiency: 72.2%



Candela Distribution

Angle	0.0	22.5	45.0	67.5	Across
0	2626	2626	2626	2626	2626
5	2626	2624	2618	2616	2605
10	2599	2603	2606	2614	2602
15	2529	2544	2571	2580	2586
20	2455	2474	2509	2536	2554
25	2339	2378	2423	2474	2504
30	2207	2248	2328	2409	2425
35	2034	2102	2201	2290	2300
40	1807	1887	2024	2080	2074
45	1514	1612	1692	1768	1755
50	1219	1257	1281	1372	1395
55	948	913	918	990	1049
60	725	628	620	665	773
65	525	415	407	440	508
70	358	290	267	307	340
75	251	223	225	242	231
80	152	190	184	183	157
85	80	95	101	93	85
90	0	0	0	0	0

Coefficients of Utilization

Ceiling	80%			50%			30%			
Wall	70	50	30	50	30	10	50	30	10	
RCR	Zonal Cavity Method— Effective Floor Cavity Reflectance = 0.20									
Room Cavity Ratio	1	80	77	74	72	70	68	69	67	66
	2	73	68	63	64	61	58	62	59	56
	3	67	60	55	57	53	49	55	52	49
	4	62	54	48	51	47	43	50	46	42
	5	57	49	43	46	41	38	45	41	37
	6	53	44	38	42	37	33	41	37	33
	7	49	40	34	39	33	30	38	33	30
	8	46	37	31	35	30	27	35	30	27
	9	43	34	28	33	28	24	32	27	24
	10	40	31	26	30	25	22	30	25	22

Luminance Data in Candela/Sq. Meter

Average in Deg.	Average 0 Deg.	Average 45 Deg.	Average 90 Deg.
45	3375	3772	3912
55	2605	2523	2883
65	1958	1518	1895
75	1529	1370	1407
85	1447	1827	1537

Zonal Lumen Summary

Zone	Lumens	% Lamp	% Fixt
0-30	2093	23.70	32.80
0-40	3453	39.00	54.10
0-60	5591	63.20	87.50
0-90	6389	72.20	100.00
40-90	2935	33.20	45.94
60-90	797	9.00	12.48
90-180	0	0.00	0.00
0-180	6389	72.20	100.00



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

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