

Highly efficient with balanced illumination and simple to use.

ELS1GFSVA132
ENERGYSMART
SILVERESCENT



1' X 4' RECESSED FLUORESCENT
SPECULAR SILVER REFLECTOR
STATIC ONLY
1-LAMP T8

Silverescent luminaires (ELS) are designed to conserve energy. The wide distribution and the 95% reflective silver laminate specular reflector in the 2 x 4, 2 lamp luminaire, provides the same lighting level as a 10 year old 2 x 4, 4 lamp luminaire with as little as 30% of the energy consumption.

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

Ordering Guide

Explanation of Catalog Number Example: ELS1GFSVA132120SO

Energy Smart Silverescent	Static	Fixture Width	Ceiling Type	Lens Frame	Lens/ Shielding Type	Lamp Qty	Lamp/ Fixture Length	Voltage	Ballast Type	Options
EL	S	1	G		VA	1	32			
Recessed Fluorescent Troffer Silver Laminate Reflector	S = Static	1 = 1' x 4'	G = Grid (Lay-in T-bar)	FS = Flat Steel Frame RA = Regressed Aluminum Frame	VA (Virgin Acrylic) Standard (See Options and Consult Factory)	1 = 1 Lamp	32 = T8 (Nominal 48")	UNV = 120/277V 120 = 120V 277 = 277V 347 = 347V	<20THD SO * <10THD RO ** 2-Lamp Elect. T8 PS — LOL T8 Dimming * Instant Start Standard **Rapid Start Standard	Add appropriate suffix to catalog No.

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Features

- Efficiency 80%
- 95% reflective silver laminate specular reflector protected with strippable film.
- Shallow 4" depth.
- One-piece body.
- Flush steel full-size lens frame.
- Regressed extruded aluminum lens frame (optional).
- Cam-action latches.
- Twin knockout access plate for easy closed lens frame wiring.
- Luminaire side rails with rolled-over edges for maximum safety.

Specifications

Performance: In an installation of 1-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 .86. To reduce glare the average luminance at 65 shall not exceed 2674 candelas per square meter. To control veiling reflections, luminaire output in the 30°–90° zone shall be not less than 60%.

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

Reflector: Silver metallized film with 95% reflective (94% minimum) laminated to steel by a thermoset cross linked adhesive that eliminates delamination. Surface is protected during handling by strippable plastic film.

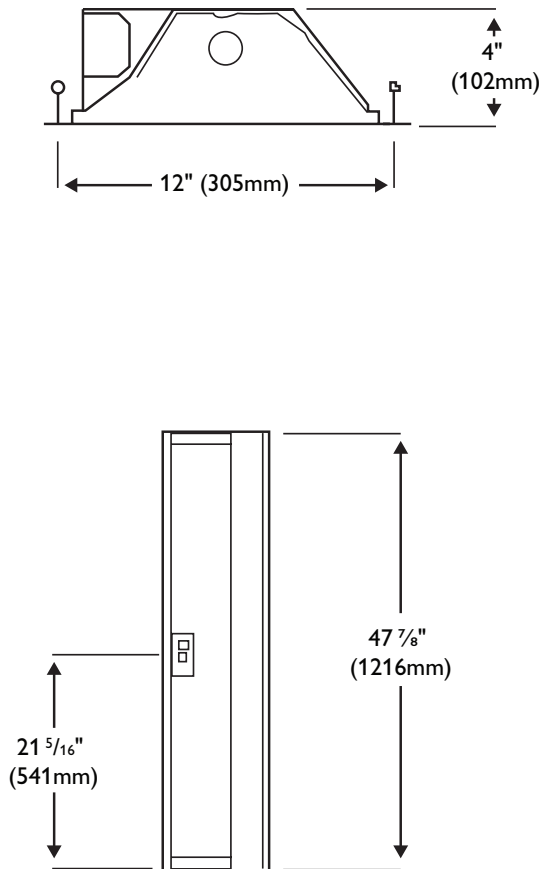
Lens: Extruded virgin acrylic $\frac{3}{16}$ " square based female cones, running 45° to the panel edge, 0.095" nominal thickness (similar to pattern 12).

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°.

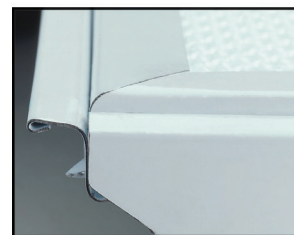
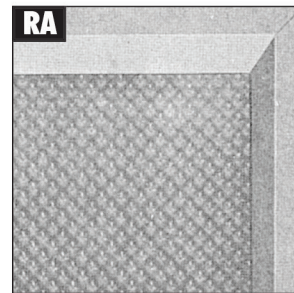
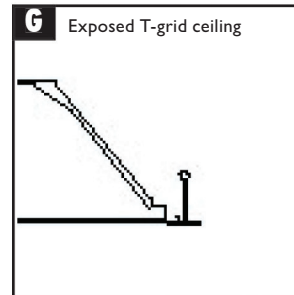
Labels: Listed by CSA.

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

Dimensions



Mounting Methods



Hemmed edge for safe handling

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Performance

Report Number: LSC4447

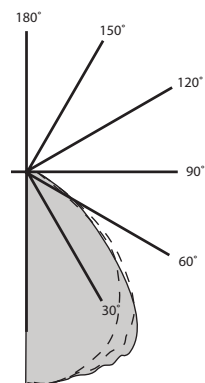
Catalog No: ELS1GFSVA132

Lamp Type: 1 FOF32T8/TL80

Lumens per Lamp: 3050

Luminaire Input Watts: 38.3

Total Efficiency: 80.0%



Candela Distribution

Angle	Along	22.5	45.0	67.5	Across	Output Lumens
5	1133	1133	1133	1133	1133	54
10	1126	1134	1128	1128	1135	
15	1107	1123	1116	1116	1127	
20	1083	1092	1099	1116	1122	
25	1040	1053	1088	1099	1102	
30	981	1008	1044	1080	1087	241
35	914	960	997	1048	1059	
40	818	871	939	954	945	
45	713	769	821	802	762	
50	598	658	657	607	572	
55	469	531	510	454	405	161
60	351	387	359	327	301	
65	255	279	263	237	209	
70	187	196	181	168	155	
75	135	138	120	132	132	
80	102	111	86	109	109	54
85	70	80	59	66	85	
90	34	44	37	39	47	
	0	0	0	0	0	

Luminance Data in Candela / Sq. Meter

Angle	Along	45	Across
45	2851	3141	2734
55	2061	2117	1772
65	1491	1444	1237
75	1330	1122	1430
85	1318	1417	1812

Coefficients of Utilization

RC	80%				50%				30%			
RW	70	50	30	10	50	30	10	50	30	10		
RCR	Zonal Cavity Method Effective Floor Cavity Reflectance = .20											
0	95	95	95	95	89	89	89	85	85	85		
1	89	86	83	80	80	78	77	75	76	74		
2	82	77	72	69	73	69	66	68	67	65		
3	76	69	64	59	66	61	58	62	60	57		
4	71	62	56	52	60	55	51	56	54	50		
5	65	56	50	45	54	48	45	51	48	44		
6	61	51	45	40	49	44	40	46	43	39		
7	56	46	40	36	44	39	35	42	38	35		
8	52	42	36	31	40	35	31	38	34	31		
9	48	38	32	27	36	31	27	35	30	27		
10	44	34	28	24	33	28	24	32	27	24		

Zonal Lumen Summary

Zone	Lumens	% Lamp	% Luminaire
0-30	867	28.46	35.58
0-40	1392	45.66	57.09
0-60	2135	70.02	87.54
0-90	2439	79.99	100.00
40-90	1046	34.33	42.91
60-90	303	9.96	12.46
90-180	0	.00	.00
0-180	2439	79.99	100.00

Options/Accessories

Lenses/Shielding:

VB: Pattern 12 lens .125" nominal-Prismatic lens

VY: Pattern 12 lens .130" nominal-Prismatic lens

KA: Pattern 19 lens .156" nominal-Prismatic lens

AP: 1/2 x 1/2 x 1/2 parabolic louver silver acrylic

SA: 1 1/2 x 1 1/2 x 7/8 parabolic louver silver acrylic

Drywall Kit: For plaster frames,
order Cat. No.: **FK91X4**

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.



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