

Maximum versatility
highly
efficient
 and simple to use.

AAS1GFSVA232
 HIGH EFFICIENCY
 WHITE PAINT TROFFER



1' X 4' ENERGY SAVING RECESSED FLUORESCENT
 FULL SIZE LENS FRAME
 STATIC ONLY, 1 OR 2 LAMP T8

The AAS fixtures offer all of the same attributes found in the AA troffer series. Characteristics like rolled over edges, integrated light leak stops, and mitered corners on door frames which are found on the AA troffer are also found on the AAS, but the AAS comes with a post painted finish with a paint reflectivity of 92%. This results in a 4% increase in efficiency when comparing 2' x 4' two lamp T8 elect. models within each family.

Project: _____

Location: _____

Catalog No: _____

Fixture Type: _____

Mfg: _____ Lamps: _____ Qty: _____

Notes: _____

Ordering Guide

Explanation of Catalog Number Example: **AAS1GFSVA232120SO**

Family	Static	Fixture Width	Ceiling Type	Lens Frame	Lens/Sheilding Designation	Lamp Quantity	Lamp/Fixture Length	Voltage	Ballast Type	Options
AA	S	1	G		VA		32			
High Efficiency White Paint Troffer	S = Static	(Nominal 12")	G = Grid (Lay-in Bar)	FS = Flat Steel Frame RA = Regressed Aluminum Frame	VA = (Virgin Acrylic) Standard (See Options and Consult Your Philips Lighting Representative)	1 = 1 Lamp 2 = 2 Lamps	32 = T8 (Nominal 48")	UNV = 120/277V 120 = 120V 277 = 277V 347 = 347V	SO* HI* 1-2 Lamp Elect. T8 PS — LOL T8 Dimming *Instant Start Standard	Add Appropriate Suffix to Catalog Number

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Features

- Efficiency 64.5%.
- Shallow 4" depth.
- One-piece housing.
- Flat steel full-size lens frame.
- Regressed extruded aluminum lens frame (optional).
- Cam-action latches.
- Twin knock-out access plate for easy closed lens frame wiring.
- Hold-down clips ordered separately.
- Luminaire side rails with rolled-over edges for maximum safety.

Specifications

Performance: In an installation of 2 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 .76. To reduce glare the average luminance at 65 shall not exceed 2449 candelas per square meter. To control veiling reflections, luminaire output in the 30°–90° zone shall be not less than 64%.

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

Chassis Exterior: Chassis exterior—white baked polyester enamel. Cavity—white baked polyester enamel minimum 92% reflectance. Phosphate undercoating.

Lens: Standard VA. 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: **FK91X4**.

Internal Interference Filter: Consult your Philips Lighting representative.

Emergency Lighting System: SUFFIX: **O**.

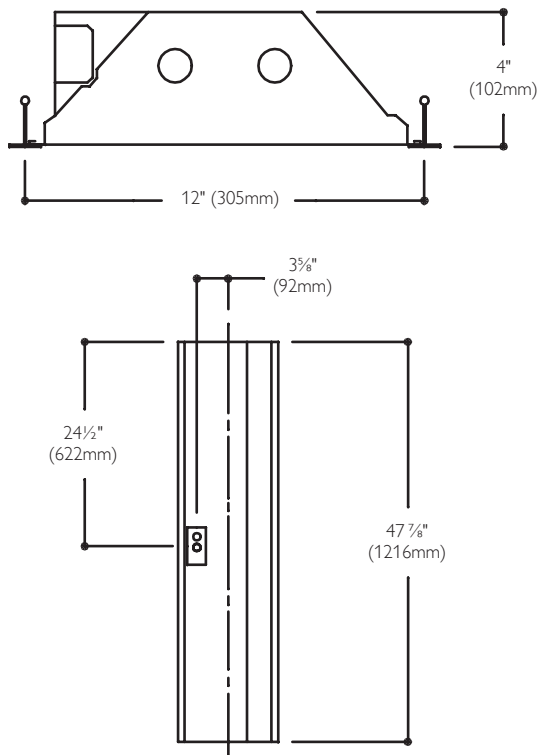
Emergency battery pack with charger. (90 minutes at 20% of lumens for 1 lamp.)

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

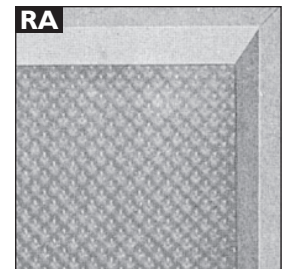
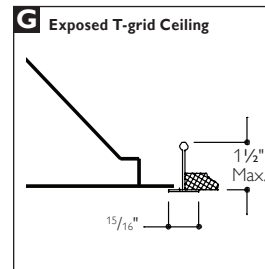
Ballast Options: For other ballast options, consult your Philips Lighting representative.

Hold-Down Clip Kit: Catalog number **AA14-HD** (Clip kit required for AA 1x4 models only).

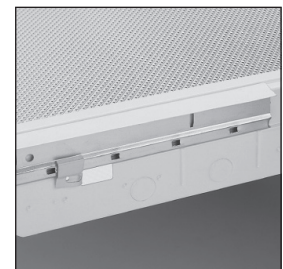
Dimensions



Mounting Methods



Hemmed edge for safe handling.



End cap hold-down clip. Ordered separately—catalog number **AA14-HD**.

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Performance

Model No. AAS1GFSVA232120SO

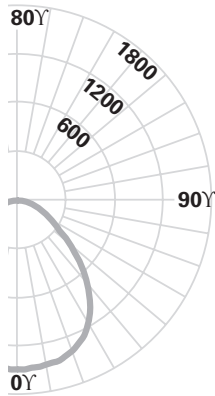
Report Number: LSCB167

Catalog Number: AAS1GFSVA232120SO

Lamp: (2) F32T8/TL841

Luminaire: 1' x 4' indoor recessed troffer.
Report is based on 2950 lumens per lamp.

Efficiency: 64.5%



Candela Distribution

Angle	0.0	22.5	45.0	67.5	Across
0	1675	1675	1675	1675	1675
5	1670	1667	1687	1674	1665
10	1648	1647	1661	1662	1663
15	1612	1613	1635	1641	1641
20	1561	1559	1580	1592	1593
25	1492	1493	1511	1521	1521
30	1410	1404	1420	1412	1404
35	1291	1293	1301	1277	1266
40	1127	1129	1130	1106	1086
45	943	942	935	901	877
50	751	761	744	704	684
55	582	576	557	530	509
60	436	416	391	367	371
65	312	287	247	259	268
70	215	191	167	193	212
75	154	149	143	146	159
80	105	110	109	112	111
85	43	58	47	63	60
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	71	69	67	68	65	63	65	63
	2	66	62	58	60	57	54	58	55
	3	61	55	51	54	50	47	53	49
	4	57	50	45	49	45	41	48	44
	5	52	45	40	44	39	36	43	39
	6	48	41	35	40	35	32	39	35
	7	45	37	32	36	31	28	35	31
	8	41	33	28	33	28	24	32	27
	9	38	30	25	30	25	21	29	24
	10	35	27	22	27	22	19	26	22

Zonal Lumen Summary

Zone	Lumens	% Lamp	% Fixt
0-30	1312	22.25	34.53
0-40	2110	35.77	55.50
0-60	3315	56.20	87.19
0-90	3802	64.46	100.00
40-90	1692	28.68	44.50
60-90	487	8.26	12.81
90-180	0	0.00	0.00
0-180	3802	64.46	100.00



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www.philips.com/luminaires

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