

Maximum versatility  
**highly  
 efficient**  
 and simple to use.

**AAS2GFSVA232**  
 HIGH EFFICIENCY  
 WHITE PAINT TROFFER



2' X 4' ENERGY SAVING RECESSED FLUORESCENT  
 FULL SIZE LENS FRAME  
 STATIC ONLY, 1 OR 2 LAMP T8 OR T12

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: **AAS2GFSVA232120SO**

Family	Static	Fixture Width	Ceiling Type	Lens Frame	Lens/Sheilding Designation	Lamp Quantity	Lamp/Fixture Length	Voltage	Ballast Type	Options
AA	S	2	G			2				
High Efficiency White Paint Troffer	S = Static	2 = Nominal 24"	G = Grid (Lay-in T-Bar)	FS = Flat Steel Frame RA = Regressed Aluminum Frame	VA = (Virgin Acrylic) Standard (See Options Page 2)	2 = 2 Lamps	32 = T8 34 = T12 (Nominal 48")	UNV = 120/277V 120 = 120V 277 = 277V 347 = 347V	LE 1-2 Lamp Mag. T12 SO* <20THD HI* <10THD PS — 1-2 Lamp Elect. T8 LOL T8 Dimming *Instant Start Standard	Add Appropriate Suffix to Catalog Number

# AAS2GFSVA232

## HIGH EFFICIENCY WHITE PAINT TROFFER

### Features

- Efficiency 82.7%.
- Fixture side rails have rolled-over edges for maximum safety.
- One-piece body 3½" deep.
- Ends of housing are formed inward for safer handling while installing troffer.
- Flat steel full-size lens frame.
- Cam-action latches.
- Flat steel lens frame with mitered corner details is the same size as the ceiling opening for a clean uniform appearance.
- Twin knock-out access plate for easy closed lens frame wiring.
- Built-in hanging tabs.

### 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 .91. To reduce glare the average luminance at 65 shall not exceed 1757 candelas per square meter. To control veiling reflections, luminaire output in the 30°–90° zone shall be not less than 69%.

**Materials:** Chassis parts are die-formed code gauge cold rolled steel. Housing is embossed for added strength and rigidity with all edges rolled over for safe handling. Lens frames—flat full-size steel frame.

**Finish:** Chassis exterior—white baked polyester enamel. Cavity—white baked polyester enamel minimum 92% 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](http://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, ½" x ½" x ½".

**SA:** Parabolic louver, acrylic silver, 1½" x 1½" x ⅞".

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

**Internal Interference Filter:** Consult your Philips Lighting representative.

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

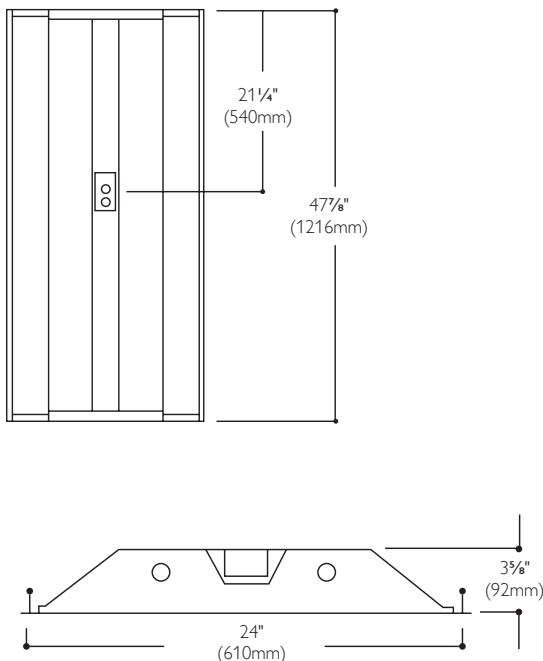
Emergency battery pack with charger. (90 minutes at 20% of lumens for 1 lamp.)

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

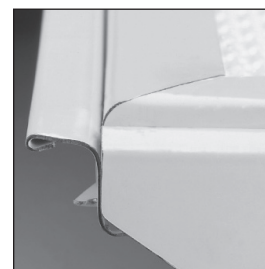
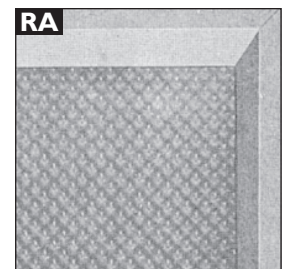
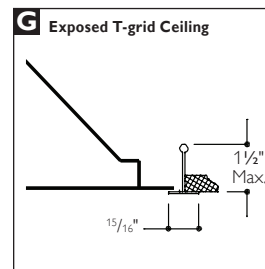
**Air Pattern Control and Air Slot Closure:** For horizontal and vertical air supply and to balance return. SUFFIX: **S**

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

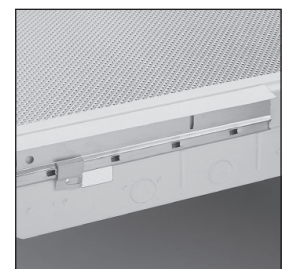
### Dimensions



### Mounting Methods



Hemmed edge for safe handling.



End cap hold-down clip.

# AAS2GFSVA232

## HIGH EFFICIENCY WHITE PAINT TROFFER

### Performance

#### Model No. AAS2GFSVA232120SO

Report Number: LSC5834

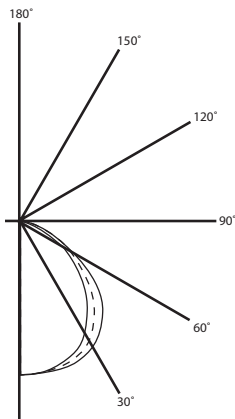
Catalog Number: AAS2GFSVA232120SO

Lamp: (2) F32T8/TL835

Ballast: Advance REL-2P32-RH-TP

Report is based on 3050 lumens per lamp.

Efficiency: 82.7%



#### Candela Distribution

Angle	0.0	22.5	45.0	67.5	Across	Output Lumens
0	1943	1943	1943	1943	1943	
5	1936	1946	1939	1931	1933	187
10	1910	1919	1924	1930	1930	
15	1871	1885	1905	1918	1929	636
20	1811	1832	1859	1890	1907	
25	1718	1751	1809	1848	1865	828
30	1599	1656	1722	1788	1804	
35	1479	1619	1603	1679	1707	997
40	1313	1367	1462	1539	1588	
45	1140	1168	1274	1367	1433	973
50	916	949	1040	1147	1194	
55	713	753	796	908	929	730
60	546	546	559	644	672	
65	411	387	377	438	478	421
70	326	301	257	326	362	
75	266	238	221	260	290	202
80	189	180	183	190	212	
85	100	106	102	109	112	108
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	91	87	84	86	83	80	82	80	78
	2	84	78	73	76	72	68	73	70	66
	3	77	69	64	68	63	58	66	61	57
	4	71	62	56	61	55	50	59	54	50
	5	66	56	49	55	48	43	53	47	43
	6	61	50	43	49	43	38	48	42	38
	7	56	45	38	45	38	33	43	37	33
	8	52	41	34	40	34	29	39	33	29
	9	47	37	30	36	30	25	35	29	25
	10	44	33	27	33	27	22	32	26	22

#### Luminance Data in Candela/Sq. Meter

Average in Deg.	Average 0 Deg.	Average 45 Deg.	Average 90 Deg.
45	2495	2799	3150
55	1925	2157	2516
65	1506	1386	1757
75	1591	1323	1738
85	1775	1825	1999

#### Zonal Lumen Summary

Zone	Lumens	% Lamp	% Fixt
0-30	1551	25.44	30.73
0-40	2548	41.77	50.54
0-60	4251	69.70	84.30
0-90	5042	82.66	100.00
40-90	2493	40.88	49.46
60-90	790	12.96	15.67
90-180	0	0.00	0.00
0-180	5042	82.66	100.00



© 2013 Koninklijke Philips N.V. All rights reserved.  
Specifications are subject to change without notice.  
[www.philips.com/luminaires](http://www.philips.com/luminaires)

Philips Lighting Company  
200 Franklin Square Drive  
Somerset, NJ 08873  
Phone: 855-486-2216

Philips Lighting Company  
281 Hillmount Road  
Markham ON, Canada L6C 2S3  
Phone: 800-668-9008