

Maximum versatility
highly
efficient
 and simple to use.

AA2W8 AA TROFFER



2' X 4' RECESSED FLUORESCENT
 FULL SIZE LENS FRAME
 STATIC ONLY, 2 LAMP T8

The high performance AA series of lens troffers offer unique features that outperform any other comparable fluorescent troffer and provide more value for your money. The 2' x 4' and 1' x 4' models offer rolled over edges, integrated light leak stops, and mitered corners on door frames to make this the toughest and highest performance troffer in its class. Side mount ballast on 1' x 4' is ideal for 1 lamp applications.

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

Ordering Guide

Explanation of Catalog Number Example: AA2W8-UNVHIWA

Family	Lamp Quantity	Nominal Lamp Size	Voltage	Ballast Type	Shielding Designation	Door Frame	Options
AA	2	W8					
AA Troffer	2 = 2 Lamps	W8 = 48"	UNV = 120/277V 120 = 120V 277 = 277V 347 = 347V	HI = T8 Electronic I.S. THD<10% RO = T8 Electronic R.S. THD<10% SO = T8 Electronic I.S. THD<20%	VA = 0.095" Pattern 12 Acrylic Lens VB = 0.125" Pattern 12 Acrylic Lens	Blank = Flush Steel RA = Regressed Aluminum	See Next Page

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Features

- Efficiency 78.6%.
- Shallow $3\frac{5}{8}$ " depth.
- One-piece housing.
- Flush steel full size lens frame with mitered corner details is the same size as the ceiling opening for a clean uniform appearance.
- Regressed extruded aluminum lens frame (optional).
- Cam-action latches.
- Twin knock-out access plate for easy closed lens frame wiring.
- Built in hold-down clips.
- Luminaire side rails with rolled-over edges for maximum safety.
- Suitable for row mounting.

Specifications

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

Finish: Chassis exterior—white baked polyester enamel. Cavity—white baked polyester enamel minimum 84% 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: Thermally protected class "P" ballast C.B.M. approved, non PCB. If K.O. is within 3" of ballast, use wire suitable for at least 90° .

Labels: Listed by cCSAus.

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, $\frac{1}{2}$ " x $\frac{1}{2}$ " x $\frac{1}{2}$ ".

SA: Parabolic louver, acrylic silver, $1\frac{1}{2}$ " x $1\frac{1}{2}$ " x $\frac{7}{8}$ ".

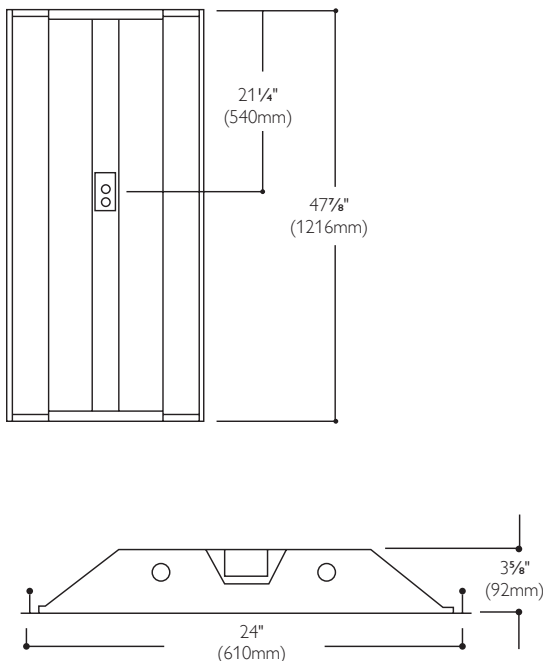
Drywall Kit: For plaster frames, order Catalog Number: **FK92X4**.

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 high lumen output for a period of 90 minutes. For 347V consult your Philips Lighting representative. Suffix: **E** (std. Bodine LP600) **O** (B100-CAN for T8 lamps).

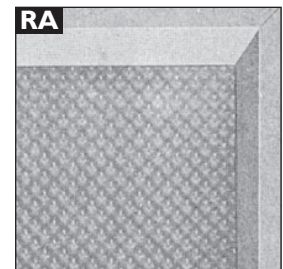
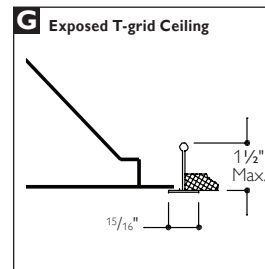
Radio Interference Filter: UNV or 347V SUFFIX: **R**.

Electrical Wiring Options: Consult your Philips Lighting representative.

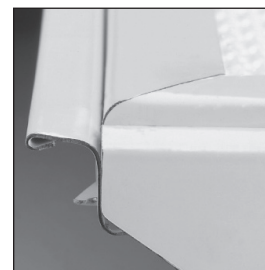
Dimensions



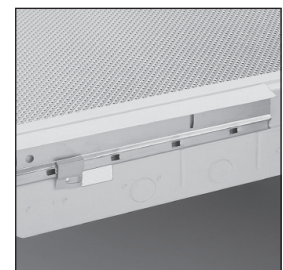
Mounting Methods



Regressed aluminum door frame.



Hemmed edge for safe handling.



End cap hold-down clip built in.

AA2W8

AA TROFFER

Performance

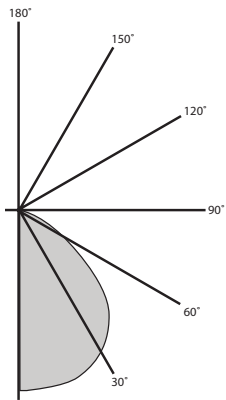
Model No. AA2W8-UNVHIVA

Report Number: LSC5553

Catalog Number: AA2W8-UNVHIVA

Lamp: (2) F32T8 Report is based on 3050 lumens per lamp.

Efficiency: 78.6%



Candela Distribution

Angle	0.0	22.5	45.0	67.5	Across
0	1858	1858	1858	1858	1858
5	1862	1866	1859	1842	1851
10	1839	1845	1850	1839	1844
15	1796	1821	1819	1833	1842
20	1732	1766	1788	1812	1832
25	1661	1690	1743	1782	1604
30	1563	1600	1682	1732	1764
35	1438	1496	1582	1651	1683
40	1282	1345	1445	1526	1554
45	1099	1153	1247	1328	1374
50	887	923	1025	1080	1112
55	669	710	794	822	840
60	495	516	571	585	584
65	358	379	374	401	407
70	273	277	234	295	296
75	212	209	171	213	232
80	165	146	121	151	170
85	84	72	65	79	93
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	87	84	81	82	79	77	78	76	74
	2	80	75	70	73	69	65	70	67	64
	3	74	67	61	65	60	56	63	59	55
	4	68	60	54	59	53	49	57	52	48
	5	63	54	47	53	46	42	51	48	42
	6	58	48	42	47	41	37	46	41	36
	7	53	43	37	43	37	32	42	36	32
	8	49	39	33	38	32	28	37	32	28
	9	45	35	29	35	29	24	34	28	24
	10	42	32	26	31	26	21	31	25	21

Zonal Lumen Summary

Zone	Lumens	% Lamp	% Fixt
0-30	1493	24.49	31.14
0-40	2471	40.52	51.52
0-60	4110	67.39	85.69
0-90	4797	78.64	100.00
40-90	2325	38.12	48.48
60-90	686	11.25	14.31
90-180	0	0.00	0.00
0-180	4797	78.64	100.00



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

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