

Maximum versatility highly efficient and simple to use.

AA348/448
AA TROFFER



2' X 4' RECESSED FLUORESCENT
FULL SIZE LENS FRAME
STATIC ONLY, 3 OR 4 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: AA448-UNVH4VA

Family	Lamp Quantity	Nominal Lamp Size	Voltage	Ballast Type	Shielding Designation	Door Frame	Options
<input type="checkbox"/> AA	<input type="checkbox"/>	<input type="checkbox"/> 48	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
AA Troffer	3 = 3 Lamps 4 = 4 Lamps	48 = 48"	UNV = 120/277V 120 = 120V 277 = 277V 347 = 347V	H3 = 3 Lamp T8 Electronic I.S. THD<10% H4 = 4 Lamp T8 Electronic I.S. THD<10% R3 = 3 Lamp T8 Electronic R.S. THD<10% R4 = 4 Lamp T8 Electronic R.S. THD<10% O3 = 3 Lamp T8 Electronic I.S. THD<20% O4 = 4 Lamp 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 75.9% (3 lamp) and 77.3% (4 lamp).
- Shallow 3⁵/₈" 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 3¹/₁₆" 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, 1/2" x 1/2" x 1/2".

SA: Parabolic louver, acrylic silver, 1 1/2" x 1 1/2" x 7/8".

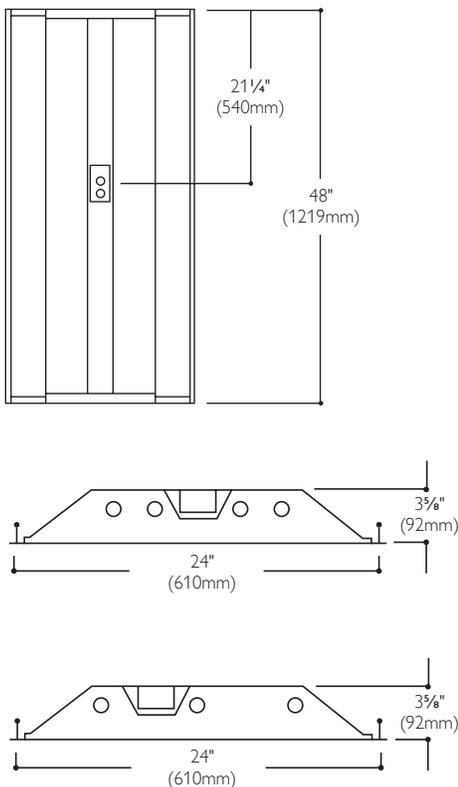
Drywall Kit: For plaster frames, order Catalog Number: **FK92X4**.

Emergency Lighting System: 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).

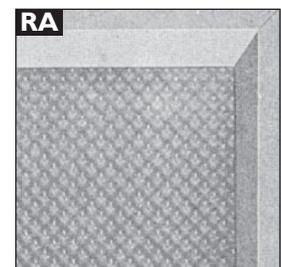
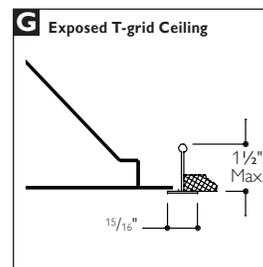
Radio Interference Filter: UNV or 347V SUFFIX: **R**.

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.

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Performance

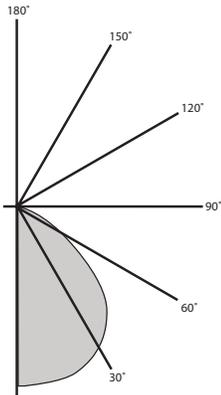
Model No. AA448-UNVH4VA

Report Number: LSC5608

Catalog Number: AA448-UNVH4VA

Lamp: (4) F32T8 Report is based on 3050 lumens per lamp.

Efficiency: 77.3%



Candela Distribution

Angle	0.0	22.5	45.0	67.5	Across
0	3782	3782	3782	3782	3782
5	3793	3798	3784	3753	3757
10	3737	3758	3765	3745	3757
15	3666	3672	3798	3798	3721
20	3550	3572	3616	3648	3663
25	3382	3434	3509	3566	1587
30	3160	3235	3360	3426	3465
35	2899	2990	3159	3233	3248
40	2583	2604	2835	2919	2978
45	2196	2285	2431	2521	2573
50	1761	1819	1967	2050	2074
55	1329	1408	1518	1553	1527
60	947	1024	1118	1198	1093
65	687	731	715	772	775
70	538	519	462	564	571
75	426	376	322	436	425
80	313	255	243	295	333
85	149	130	135	163	176
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	85	82	79	81	78	76	77	75	73
	2	79	73	69	72	68	64	69	66	63
	3	73	66	60	65	60	56	62	58	55
	4	67	59	53	58	53	48	56	51	48
	5	62	53	47	52	46	42	50	45	41
	6	7	48	41	47	41	37	46	40	36
	7	53	43	37	42	36	32	41	36	32
	8	49	39	32	38	32	28	37	32	28
	9	45	35	29	34	28	24	33	28	24
	10	42	32	26	31	26	22	30	25	21

Zonal Lumen Summary

Zone	Lumens	% Lamp	% Fixt
0-30	3015	24.72	31.97
0-40	4949	40.57	52.48
0-60	8116	66.52	86.06
0-90	9430	77.3	100.00
40-90	4481	36.73	47.52
60-90	1314	19.78	13.94
90-180	0	0.00	0.00
0-180	9430	77.30	100.00



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www.philips.com/luminaires

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