

Maximum versatility highly efficient and simple to use.

AA2U6 AA TROFFER



2' X 2' RECESSED FLUORESCENT
FULL SIZE LENS FRAME
STATIC ONLY, 2, 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.

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

Ordering Guide

Explanation of Catalog Number Example: AA2U6-120SOVA

Family	Lamp Quantity	Nominal Lamp Size	Voltage	Ballast Type	Shielding Designation	Door Frame	Options
AA							
AA Troffer	2 = 2 Lamps U-Shape 3 = 3 Lamps 4 = 4 Lamps	U6 = 6" U-Shape T8 (2 Lamp Only) 24 = 17W T8	UNV = 120/277V 120 = 120V 277 = 277V 347 = 347V	H1 = Elect. I.S., T8, 1 or 2 LPB, <10% THD H3 = Elect. I.S., T8, 3 LPB, <10% THD	VA = 0.095" Pattern 12 Acrylic Lens VB = 0.125" Pattern 12 Acrylic Lens	Blank = Flush Steel RA = Regressed Aluminum	See Next Page

AA2U6

AA TROFFER

Features

- Efficiency 69.5%.
- One-piece housing.
- Only 4" nominal deep body.
- Flat steel full-size lens frame.
- Regressed extruded aluminum lens frame.
- Cam-action latches.
- Twin knock-out access plate for easy closed lens frame wiring.
- Built in hold-down clips.

Specifications

Performance: In an installation of 2 lamp 31W 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 .74. To reduce glare the average luminance at 65 shall not exceed 2280 candelas per square meter. To control veiling reflections, luminaire output in the 30°–90° zone shall be not less than 67%.

Materials: Chassis parts are die-formed code gauge cold rolled steel. Lens frames—flat full-size steel frame.

Chassis Exterior: Chassis exterior—white baked polyester enamel. Cavity—white baked polyester enamel minimum 86% 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:

VA: Prismatic acrylic lens, pattern 12, .095" nominal thickness.

VB: Prismatic acrylic lens, pattern 12, .125" nominal thickness.

VY: Prismatic acrylic lens, pattern 12, .13" 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: **FK92X2**.

Internal Interference Filter: Consult your Philips Lighting representative.

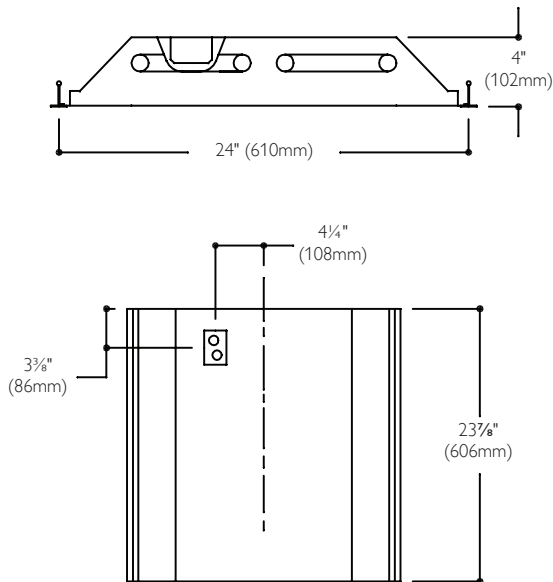
Emergency Lighting System: SUFFIX: **O**.

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

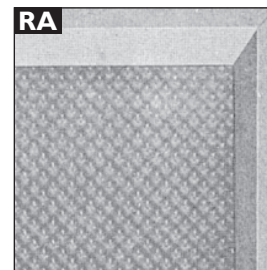
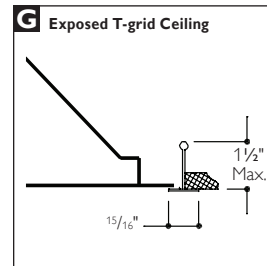
Radio Interference Filter: 120, 277 or 347 volt, 50 or 60 Hz. SUFFIX: **R**.

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

Dimensions



Mounting Methods



AA2U6 AA TROFFER

Performance

Model No. AA2U6-120S0VA

Report Number: LSC6141

Catalog Number: AA2U6-120S0VA

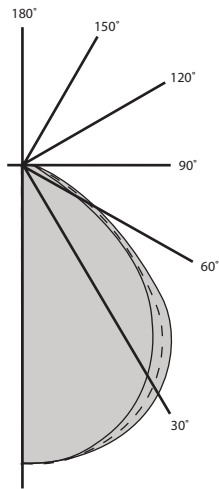
Lamp: (2) FB31T8/TL741/6

Luminaire: 2' x 2' indoor recessed troffer.

Ballast: Advance REL-2P32-RH-TP

Report is based on 2600 lumens per lamp.

Efficiency: 69.5%



Candela Distribution

Angle	0.0	22.5	45.0	67.5	Across	Output Lumens
0	1500	1500	1500	1500	1500	
5	1498	1494	1501	1498	1504	143
10	1480	1480	1494	1484	1497	
15	1435	1439	1462	1463	1473	411
20	1382	1399	1408	1426	1438	
25	1320	1324	1353	1389	1409	626
30	1232	1249	1282	1324	1337	
35	1122	1141	1191	1234	1255	743
40	993	1013	1066	1122	1147	
45	847	845	907	953	983	697
50	657	678	730	758	779	
55	499	517	551	572	578	493
60	369	373	381	408	414	
65	278	269	253	279	286	279
70	212	198	164	206	221	
75	171	156	132	158	187	163
80	115	104	97	102	128	
85	54	53	56	55	70	60
90	0	0	0	0	0	

Luminance Data in Candela/Sq. Meter

Average in Deg.	Average 0 Deg.	Average 45 Deg.	Average 90 Deg.
45	4017.	4318.	4678.
55	2916.	3231.	3391.
65	2205.	2012.	2280.
75	2218.	1710.	2428.
85	2064.	2168.	2711.

Coefficients of Utilization

Ceiling	80%			50%			30%			
Wall	70	50	30	50	30	10	50	30	10	
RCR	Zonal Cavity Method— Effective Floor Cavity Reflectance = 0.20									
Room Cavity Ratio	1	77	74	71	69	68	66	67	65	64
	2	71	66	62	62	59	57	60	58	55
	3	66	59	54	56	52	49	54	51	48
	4	61	53	48	51	46	43	49	45	42
	5	56	48	42	46	41	37	44	40	37
	6	52	43	37	41	36	33	40	36	33
	7	48	39	33	37	32	29	36	32	29
	8	44	35	29	34	29	25	33	28	25
	9	41	32	26	30	25	22	30	25	22
	10	38	29	23	28	23	20	27	22	19

Zonal Lumen Summary

Zone	Lumens	% Lamp	% Fixt
0-30	1180	22.70	32.65
0-40	1923	36.98	53.20
0-60	3112	59.86	86.12
0-90	3614	69.52	100.00
40-90	1691	32.53	46.80
60-90	501	9.65	13.88
90-180	0	0.00	0.00
0-180	3614	69.52	100.00



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www.philips.com/luminaires

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