



A.L.P.
ALP-SW
Smooth Flat Sheet

ALP-SW

General Information

Smooth White Flat Sheet provides the **greatest application potential** in the lighting industry. Its **versatility** is apparent, whether used as a lighting fixture enclosure or luminous ceiling diffuser.

These extruded **diffusing panels** are available in **acrylic or high impact light stable polystyrene**, providing evenly illuminated lighting enclosures **reducing shadows** and **reflected glare**.

The white acrylic panel is a **dual use** panel having a **texture finish on one side** and **smooth finish on the other side**. Reflections are virtually eliminated when texture side is out.



ALP-SW

CATALOG NUMBER	DESCRIPTION	THICKNESS	DIMENSIONS
Acrylic Panels			
.040 14HT	High Transmission Clear	.040"	11-3/4" x 47-3/4"
.040 22HT	High Transmission Clear	.040"	23-3/4" x 23-3/4"
.040 24HT	High Transmission Clear	.040"	23-3/4" x 47-3/4"
.040 14WA	White	.040"	11-3/4" x 47-3/4"
.040 22WA	White	.040"	23-3/4" x 23-3/4"
.040 24WA	White	.040"	23-3/4" x 47-3/4"
SWA8 14	White	.080"	11-3/4" x 47-3/4"
SWA8 22	White	.080"	23-3/4" x 23-3/4"
SWA8 24	White	.080"	23-3/4" x 47-3/4"
SWA125 14	White	.125"	11-3/4" x 47-3/4"
SWA125 22	White	.125"	23-3/4" x 23-3/4"
SWA125 24	White	.125"	23-3/4" x 47-3/4"
SWA 125 50X51	White	.125"	50" x 51"
Smooth/Crepe Polystyrene Panels			
SW24 22	White	.040"	23-3/4" x 23-3/4"
SWS6 14	White	.060"	11-3/4" x 47-3/4"
SWS6 22	White	.060"	23-3/4" x 23-3/4"
SWS6 24	White	.060"	23-3/4" x 47-3/4"
SWS6 24SM	White - Smooth/Smooth	.060"	23-3/4" x 47-3/4"

All 1' x 4' and 2' x 2' diffusers MUST be purchased in even multiples.
 Panels are smooth on one side and crepe on the other.
 Special sizes are available, contact A.L.P.

ALP-SW Profile
 section

A (thickness): .040", .060", .080", .125"

Nominal Sizes
 1' x 4'
 2' x 2'
 2' x 4'
 4' x 4'

Colors and Materials
 White
 High Transmission Clear
 Acrylic

**For more information, or to place an order,
 contact Customer Service.**

ALP-SW PHOTOMETRICS



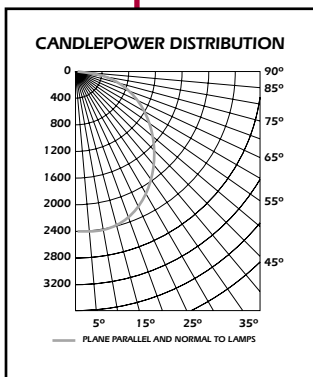
Specifications

Smooth White Flat Sheet by A.L.P. Lighting Components, Inc. is extruded from high impact light stable polystyrene and/or virgin acrylic meeting IES, NEMA-SPI joint specifications for use in applications. Acrylic lighting panels are 100% high molecular weight virgin material meeting grade 8 requirements as set forth in Table 2 of ASTM-D-788-69A.

White acrylic panel light transmission:
 .080" thick panel = 63%
 .125" thick panel = 52%

These panels are available in the following thicknesses: acrylic - .080" and .125"; high impact polystyrene - .040" and .060".

WHITE Building Acoustics and Lighting Laboratories, Inc. Report No. 2152.0, 10/7/81.

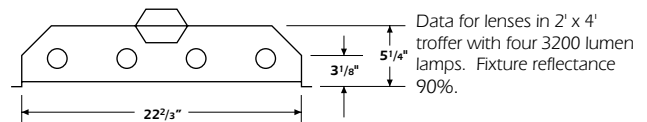


COEFFICIENTS OF UTILIZATION ZONAL CAVITY METHOD							
FLOOR	20%						
CEILING	80%				50%		
WALLS	70%	50%	30%	10%	50%	30%	10%
1	.60	.57	.55	.53	.54	.52	.51
2	.55	.50	.47	.44	.48	.45	.42
3	.50	.45	.40	.37	.42	.39	.36
4	.46	.40	.35	.32	.38	.34	.31
5	.42	.35	.30	.27	.33	.29	.26
6	.39	.31	.27	.23	.30	.26	.23
7	.36	.28	.23	.20	.27	.23	.20
8	.33	.25	.21	.17	.24	.20	.17
9	.30	.23	.18	.15	.22	.18	.15
10	.28	.21	.16	.13	.20	.16	.13

Data shown is for .100" and .125" thick material. For .080" thick material, multiply all values by 1.05. For 2-lamp luminaire, multiply figures shown by 1.1. Spacing to Mounting Height Ratio 1.3.

EFFICIENCY	
DEGREE	PERCENT
0-40°	24.7%
0-60°	43.0%
0-90°	54.6%

Commercially Available Troffer



Average Diffuser Reflectance

.080"	49.0%
.100"	51.0%
.125"	56.0%



A.L.P.
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