



**A.L.P.**  
**ALP-1**  
**Cracked Ice Prismatic Lens**

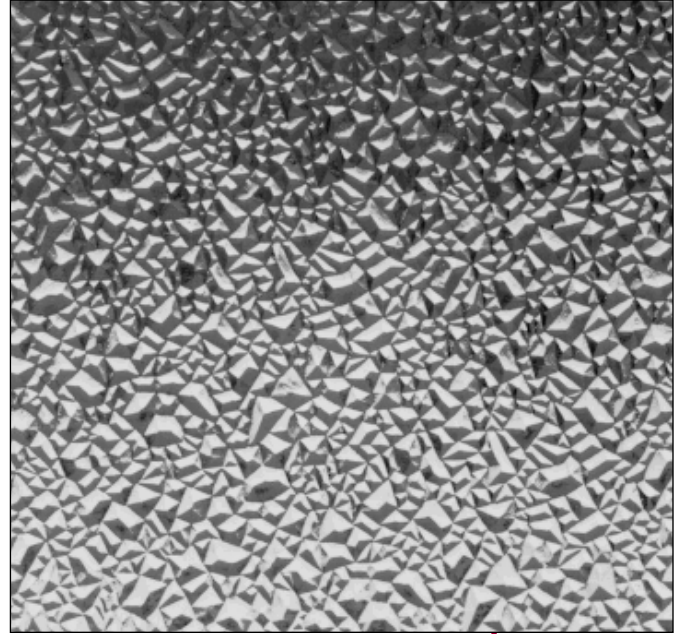
**ALP-1**

The unusual "**cracked ice**" pattern is an imaginative use of plastic panels, providing a sparkling crystal overhead affect. **Non-linear in appearance**, the asymmetric pattern provides complete lamp obscuration even in the shallowest plenum.

These panels are unique in appearance and can be used in luminous ceiling or fixture installations.

The ALP-1 cracked ice pattern, shall be extruded of **clear or white polystyrene plastic** as manufactured by A.L.P. Lighting Components, Inc. This lens is available in **.080" thickness** and standard sizes of **1' x 4', 2' x 2', 2' x 4' and 50" x 100"**.

The ALP-1 plastic lighting lens is extremely effective when used in luminous ceiling installations. To achieve even brightness and **maximum lamp obscuration**, the spacing of the lamps should not exceed the ratio of 2-1/2 times the distance from the lamp to the diffuser. In order to achieve a uniformity of brightness, the lamps should be installed parallel with the main structural support of the suspended ceiling.




ALP-1

CATALOG NO.	DESCRIPTION	THICKNESS	DIMENSIONS
Polystyrene Panels			
ALP1 14CS	Clear	.080"	11-3/4" x 47-3/4"
ALP1 22CS	Clear	.080"	23-3/4" x 23-3/4"
ALP1 24CS	Clear	.080"	23-3/4" x 47-3/4"
ALP1 50X100CS	Clear	.080"	50" x 100"
ALP1 14OS	White	.080"	11-3/4" x 47-3/4"
ALP1 22OS	White	.080"	23-3/4" x 23-3/4"
ALP1 24OS	White	.080"	23-3/4" x 47-3/4"
ALP1 50X100OS	White	.080"	50" x 100"

All 1' x 4' and 2' x 2' diffusers MUST be purchased in even multiples.  
 Special sizes are available, contact A.L.P.

**ALP-1 Profile**

section 

A (thickness): .080"

**Nominal Sizes**

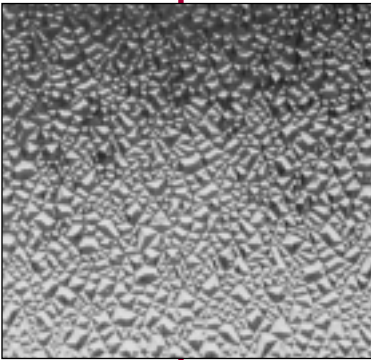
**1' x 4'**  
**2' x 2'**  
**2' x 4'**  
**50" x 100"**

**Colors and Materials**

**Clear**  
**White**  
**Polystyrene**

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

# ALP-1 PHOTOMETRICS



## Specifications

The ALP-1, cracked ice pattern, shall be extruded of clear or white polystyrene plastic as manufactured by A.L.P. Lighting Components, Inc. This lens is available in .080" and .065" thicknesses and in standard sizes of 1' x 4', 2' x 2' and 2' x 4'.

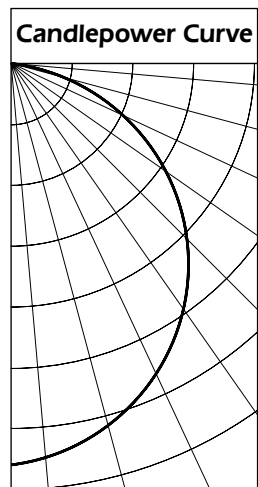
The ALP-1 plastic lighting lens is extremely effective when used in luminous ceiling installations. To achieve even brightness and maximum lamp obscuration, the spacing of the lamps should not exceed the ratio of 2-1/2" times the distance from the lamp to the

diffuser. In order to achieve a uniformity of brightness, the lamps should be installed parallel with the main structural support of the suspended ceiling.

## Photometric Data

Coefficients of utilization were computed on the zonal cavity method, based on a cracked ice diffusing lens. 2' x 4' luminaire with 4-F40T12/RS lamps (3100 lumens each) and lamp spacing of 4-1/4" - 5-1/2" - 4-1/4", lamps located 2-1/2" above panel.

## ZONAL CAVITY COEFFICIENTS OF UTILIZATION



Ceiling	EFFECTIVE FLOOR CAVITY REFLECTANCE = 20					
	80			50		
	50	30	10	50	30	10
Wall RCR						
1	63	60	58	59	57	56
2	56	53	50	53	50	49
3	50	46	44	48	44	42
4	45	41	37	44	40	37
5	41	36	32	39	35	32
6	37	32	29	35	31	28
7	33	29	25	32	28	24
8	30	25	22	29	24	22
9	27	22	19	25	22	18
10	24	20	17	23	19	17

Multiplying factor for luminous ceiling installation shall be .90, based on 1-F40T12/RS lamp (3100 lumens) 12" on centers and 9" above louver.

Multiplying factor for a white cracked ice lens shall be .85.

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



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