



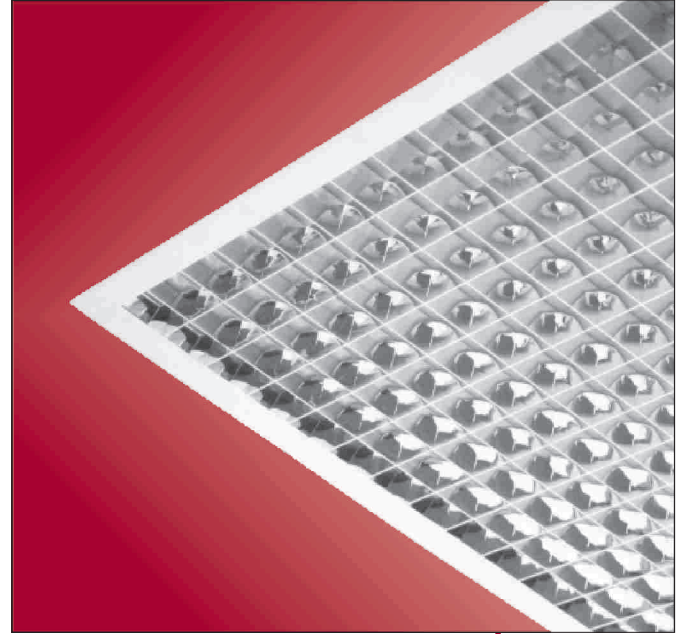
Para-Lite 2

DESCRIPTION

Para-Lite 2 is a parabolic louver that provides **maximum illumination** efficiency, which has become increasingly important with today's energy concerns. This louver, though **extremely efficient**, maintains excellent low brightness qualities often associated with incandescent downlighting. The **1-1/2" x 1-1/2" x 1"** (high) parabolic cell provides a **bolder appearance** preferred by many designers. It provides a **38° shielding angle** and has an efficiency of 52.6%. The specular silver finish has a **V.C.P. rating of .93**. Para-Lite 2 louvers are molded for fluorescent fixture or luminous ceiling applications.

The Para-Lite 2 Series now has the greatest array of **perimeter variations** and the widest color selection of any parabolic louver on the market. Para-Lite 2 offers the ultimate in flexibility.

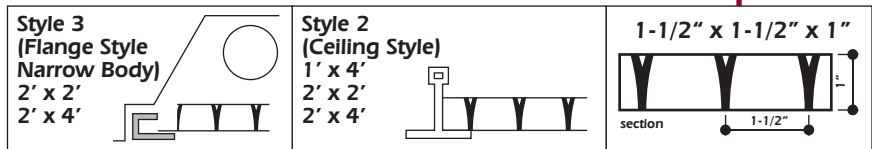
We recommend the **Durabolic Finish** for all specular plastic louvers. This Durabolic Finish allows ease of handling and maintenance.



Para-Lite 2

APPLICATIONS

- Medical Facilities
- Department Stores
- Conference Rooms
- Entries & Corridors
- Perimeter Lighting
- VDT Computer Rooms
- Elevators



To Order: Select description from each column and include "options" if applicable.

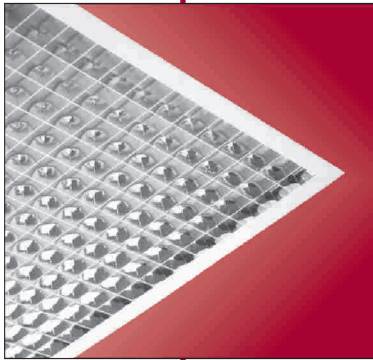
Example: PL2/2 24 SPS CUT 21-1/2X44-1/2

Louver	Style	Size	Material / Finish	Fabrication Options
Para-Lite 2 1-1/2" x 1-1/2" x 1" enter <u>PL2</u>	2 - Ceiling Style 1 x 4 - O.D. 11-3/4" x 47-3/4" 2 x 2 - O.D. 23-3/4" x 23-3/4" 2 x 4 - O.D. 23-3/4" x 47-3/4" 3 - Fixture Style (narrow body) 2 x 2 - O.D. 22-1/2" x 22-1/2" I.D. 20" x 19-9/16" 2 x 4 - O.D. 22-1/2" x 46-1/2" I.D. 20" x 44-11/16" enter style	14 — Style 2 Only 22 — All Styles 24 — All Styles enter size	SPS — Specular Silver, Polystyrene SPG — Specular Gold, Polystyrene, Durabolic SSS — Semi-Specular Silver, Polystyrene DSPS — Durabolic Specular Silver, Polystyrene* SPSA — Specular Silver Acrylic SPGA — Specular Gold, Durabolic Acrylic SSSA — Semi-Specular Acrylic DSPSA — Durabolic Specular Silver Acrylic* enter finish * Optional Durabolic Coating	CUT — Cut to Size AN — Avoida-Notch Framing Note: Cut to Size - on Cut to Size orders O.D. must be provided. Cut to Size louvers must be able to fit directly into the doorframe. Note: Avoida-Notch - O.D. must be provided. Avoida-Notch to be used when louver cannot fit into the doorframe. For Style 2 Only. enter options

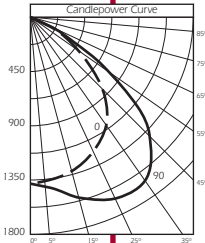
Note: All Para-Lite 2 louvers are destatized before and after fabrication to ensure a high quality product.

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

PARA-LITE 2 PHOTOMETRICS



TS: TECHNICAL SUPPORT
 Lighting Research Laboratories, Inc.
 Test Report No. LRL 397-3E, Date 3/5/97.
Description: Commercially Available 2' x 4' Troffer
 2/32W T8 Lamps, 1" deep Parabolic Specular Silver Louver.
 Luminary Watts = 60.2,
 Catalog Number: Louver **PL2** SPS 3
 Lamp Type: F32T8/TL80, Lumens: 3050,
 Number of Lamps: 2



* Other testing results available upon request.

Total Luminaire Efficiency:	0°	51.9%	90°
Plane:	1.2	1.6	
Spacing Criteria:	31	31	

Specifications

Style 3 — Fixture Style

Parabolic Louvers shall be Para-Lite 2 (Style 3) for lighting fixture application, as manufactured by A.L.P. Lighting Components, Inc. These louvers shall be one piece injection molded of polystyrene or acrylic base material with all parabolic surfaces prepared with a primary undercoat and a highly specular vacuum metalized finish. Louver panels shall have an integrally molded flange on all sides to fit 2' x 2' or 2' x 4' fluorescent fixtures. Cell size: 1-1/2" x 1-1/2" x 1" square cell, providing 38° shielding from all angles. This louver shall have an efficiency of not less than 52% and a VCP index rating of .91 (specular silver finish). Sizes are nominal. Please check customer service for exact sizes of each style

Style 2 — Ceiling Style

Style 2 is designed to fit any standard 1' x 4', 2' x 2' and 2' x 4' grid systems.

CANDLE POWER DISTRIBUTION

VER. ANG.	HORIZONTAL ANGLE					ZONAL LUMENS
	0.0	22.5	45.0	67.5	90.0	
0.0	1358	1358	1358	1358	1358	
5.0	1347	1356	1360	1370	1369	130
15.0	1323	1366	1425	1478	1506	403
25.0	1218	1316	1429	1571	1604	663
35.0	1057	1219	1407	1521	1537	855
45.0	815	1020	1149	1246	1306	867
55.0	111	245	367	321	260	251
65.0	1	1	1	1	0	1
75.0	0	0	0	0	0	0
85.0	0	0	0	0	0	0
90.0	0	0	0	0	0	0

LUMINANCE DATA IN FOOTLAMBERTS

ZONAL LUMEN SUMMARY

ZONE	LUMENS	% LAMP	% FIXT
0-30	1195	19.6	37.7
0-40	2050	33.6	64.7
0-60	3168	51.9	100
0-90	3169	51.9	100
90-180	0	0.0	0.0
0-180	3169	51.9	100.0

ANG. IN DEG.	AVG. 0-DEG.	AVG. 45-DEG.	AVG. 90-DEG.
45	1989	2805	3188
55	334	1104	782
65	4	4	0
75	0	0	0
85	0	0	0

ZONAL CAVITY COEFFICIENTS OF UTILIZATION

Ceiling Wall RCR	EFFECTIVE FLOOR CAVITY REFLECTANCE = 20																							
	80				70				50				30				10				00			
	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	
0	62	62	62	62	60	60	60	58	58	58	55	55	55	53	53	53	53	53	53	53	52	52	52	
1	59	57	56	54	57	56	55	53	54	53	52	52	51	50	50	49	49	49	49	49	48	48	48	
2	55	53	50	49	54	52	50	48	50	48	47	47	46	47	46	47	46	45	45	44	44	44	44	
3	52	49	46	44	51	48	45	43	47	45	43	45	44	42	44	43	41	41	41	41	41	41	41	
4	49	45	42	39	48	44	41	39	43	40	38	42	40	38	41	39	37	37	37	37	37	37	37	
5	46	41	38	35	45	41	37	35	40	37	35	39	36	34	38	36	34	33	33	33	33	33	33	
6	43	38	34	32	42	37	34	32	36	33	31	36	33	31	35	33	31	30	30	30	30	30	30	
7	40	34	31	28	39	34	31	28	33	30	28	33	30	28	32	30	28	27	27	27	27	27	27	
8	37	31	28	25	36	31	27	25	30	27	25	30	27	25	29	27	25	24	24	24	24	24	24	
9	34	28	25	22	34	28	25	22	27	24	22	27	24	22	26	24	22	21	21	21	21	21	21	
10	31	24	21	18	30	24	21	18	24	20	18	23	20	18	23	20	18	17	17	17	17	17	17	

VISUAL COMFORT PROBABILITY TABLE

100 FC Work Plane Illumination Work Plane FC = 100

ROOM DIM		LUMINARIES LENGTHWISE						LUMINARIES CROSSWISE					
		MOUNTING HEIGHT											
W	L	8.5	10	13	16	8.5	10	13	16	8.5	10	13	16
20	20	99	98	93	91	98	96	89	86	98	96	91	88
20	30	100	99	95	92	99	97	92	87	100	99	94	91
20	40	100	100	97	94	100	98	94	90	100	100	96	92
20	60	100	100	98	95	100	99	96	92	100	100	97	93
30	20	100	99	94	91	100	98	91	87	100	99	93	89
30	30	100	100	96	92	100	99	94	88	100	100	96	90
30	40	100	100	98	94	100	100	96	91	100	100	97	92
30	60	100	100	99	95	100	100	97	93	100	100	98	94
30	80	100	100	99	96	100	100	98	94	100	100	99	95
40	20	100	100	96	92	100	99	93	89	100	100	96	90
40	30	100	100	98	93	100	100	97	92	100	100	98	94
40	40	100	100	99	95	100	100	97	92	100	100	98	94
40	60	100	100	100	96	100	100	98	94	100	100	99	95
40	80	100	100	100	97	100	100	99	95	100	100	99	95
40	100	100	100	100	98	100	100	99	96	100	100	99	96
60	30	100	100	99	94	100	100	97	92	100	100	98	94
60	40	100	100	100	96	100	100	98	94	100	100	99	95
60	60	100	100	100	97	100	100	99	95	100	100	99	95
60	80	100	100	100	98	100	100	99	96	100	100	99	96
60	100	100	100	100	99	100	100	99	96	100	100	99	96
100	40	100	100	100	98	100	100	99	96	100	100	99	96
100	60	100	100	100	99	100	100	99	96	100	100	99	96
100	80	100	100	100	99	100	100	99	96	100	100	99	96
100	100	100	100	100	100	100	100	99	96	100	100	99	96



A.L.P.
LIGHTING COMPONENTS, INC.
 CORPORATE HQ: CHICAGO, IL U.S.A.
WEB SITE: WWW.ALPLTG.COM

CENTRAL (Chicago) — (877) ALP-LTG1 • FAX: (800) 438-2500
WEST (Los Angeles) — (800) 545-6176 • FAX: (800) 545-6186
SOUTHEAST (Atlanta) — (404) 352-2110 • FAX: (800) 545-6192
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