



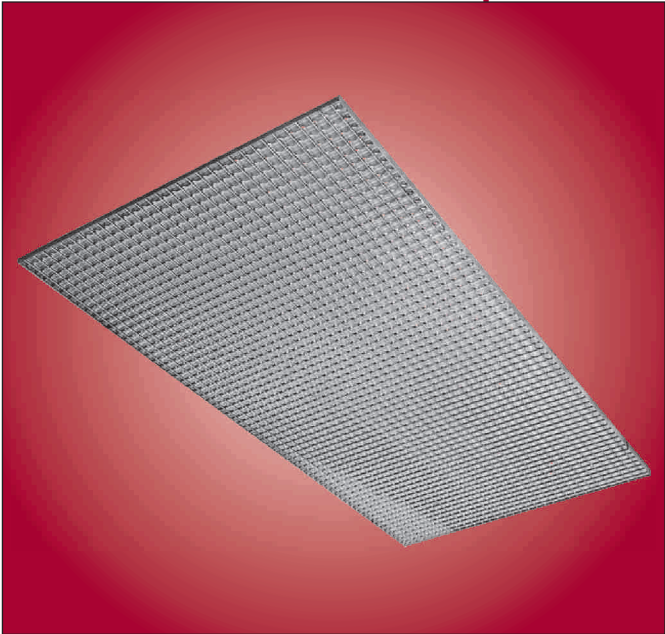
Para-Lite 3 (High Efficiency 66.3%)

DESCRIPTION

Para-Lite 3, a parabolic louver specifically **designed for** today's and **tomorrow's energy and lighting needs**. A **small cell louver** offering maximum in illuminating efficiency while maintaining a discrete **low brightness appearance** because of its **double wedge design**. Efficiency and brightness control — the ultimate combination to meet today's energy concerns and stricter codes. The **Specular Silver finish** provides a **66.3% efficiency, shielding angle of 35°** and a **V.C.P. index rating of .93**.

Little or no modification of the louver panel is required for installation in most existing or new fluorescent luminaires. The low shielding gives **excellent lamp obscuration**. Available in two styles, ceiling and flange. Manufactured of polystyrene or acrylic material.

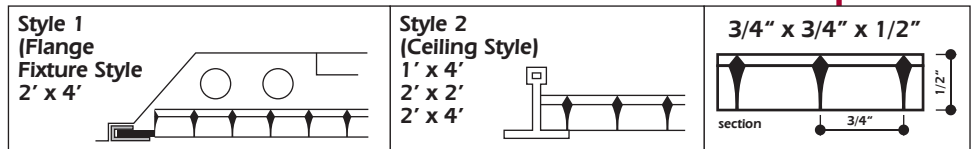
We recommend the **Durabolic Finish** for all specular plastic louvers. This Durabolic Finish allows ease of handling and maintenance.



Para-Lite 3

APPLICATIONS

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



Double Wedge Design

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

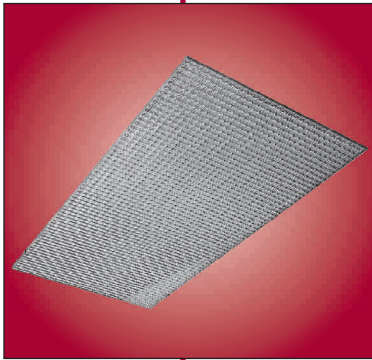
Example: PL3/2 24 SPS CUT 21-1/2X44-1/2

Louver	Style	Size	Material / Finish	Fabrication Options
Para-Lite 3 3/4" x 3/4" x 1/2" enter PL3	1 - Flange Fixture Style 2 x 4 - O.D. 22-1/2" x 46-1/2" I.D. 19-11/16" x 43-1/2" 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" enter style	14 — Style 2 Only 22 — Style 2 Only 24 — All Styles enter size	SPS — Specular Silver, Polystyrene DSPS — Durabolic Specular Silver, Polystyrene* SPSA — Specular Silver Acrylic DSPSA — Durabolic Specular Silver Acrylic* enter finish <small>* Optional Durabolic Coating</small>	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

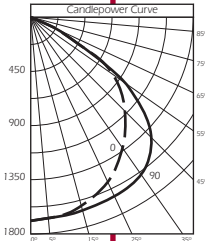
Note: All Para-Lite 3 louvers are destatized before and after fabrication to ensure a high quality product.

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

PARA-LITE 3 PHOTOMETRICS



TS: TECHNICAL SUPPORT
 Lighting Research Laboratories, Inc.
 Test Report No. LRL 397-3L, Date 3/5/97.
Description: Commercially Available 2' x 4' Troffer
 2/32W T8 Lamps, 1/2" deep Parabolic Specular Silver Louver.
 Luminary Watts = 60.2,
 Catalog Number: Louver **PL3** 24 SPS
 Lamp Type: F32T8/TL80, Lumens: 3050,
 Number of Lamps: 2



* Other testing results available upon request.

Total Luminaire Efficiency:	66.3%
Plane:	0° 90°
Spacing Criteria:	1.3 1.4
Shielding Angles:	35 35

Specifications

Parabolic Louvers shall be Para-Lite 3 as manufactured by A.L.P. Lighting Components, Inc., and shall be one piece injection molded with a double wedge design of polystyrene or acrylic with all parabolic surfaces prepared with a primary undercoat, highly specular vacuum metalized finish. Cell dimensions shall be 3/4" x 3/4" x 1/2" and shall provide 35° shielding with a louver efficiency of not less than 66%. This louver has a VCP index rating of .93 (specular silver finish). Available in nominal ceiling panel sizes of 1' x 4', 2' x 2' and 2' x 4', or flanged panels with I.D. of 19-11/16" x 43-1/2", O.D. of 22-1/2" x 46-1/2".

Lighting Fixtures — Panels will sometimes require additional cutting for proper installation. Louver panels can also be specified with the **Avoida-Notch™** optional frame — to specify add suffix - AN50 to the base catalog number. For color designation use B for black, W for white. For specular finish use SP. The color designation should follow SP (i.e.. G for gold, S for silver).

Lighted Ceilings — Louver panels are designed to fit any standard 1' x 4', 2' x 2' or 2' x 4' tee bar grid system.

Special Sizes — Special sizes are available, contact A.L.P.

CANDLE POWER DISTRIBUTION

VER. ANG.	HORIZONTAL ANGLE					ZONAL LUMENS
	0.0	22.5	45.0	67.5	90.0	
0.0	1652	1652	1652	1652	1652	
5.0	1643	1645	1645	1650	1644	157
15.0	1609	1616	1618	1654	1683	463
25.0	1491	1501	1574	1642	1649	728
35.0	1309	1371	1444	1527	1574	908
45.0	1051	1136	1224	1317	1359	945
55.0	752	816	903	894	792	759
65.0	87	107	107	64	20	82
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

ZONAL LUMEN SUMMARY

ZONE	LUMENS	% LAMP	% FIXT
0-30	1348	22.1	33.3
0-40	2256	37.0	55.8
0-60	3960	64.9	98.0
0-90	4043	66.3	100.0
90-180	0	0.0	0.0
0-180	4043	66.3	100.0

IN FOOTLAMBERTS

ANG. IN DEG.	AVG. 0-DEG.	AVG. 45-DEG.	AVG. 90-DEG.
45	2417	2815	3126
55	2132	2561	2246
65	335	412	77
75	0	0	0
85	0	0	0

ZONAL CAVITY COEFFICIENTS OF UTILIZATION

Ceiling	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	50	30	10	50	30
0	79	79	79	79	77	77	77	77	74	74	74	71	71	71	68	68	68	68	66	66	66	66	66	66	66	66	66	66
1	74	72	70	68	73	71	69	67	68	66	65	65	64	63	63	62	61	60	61	60	60	60	60	60	60	60	60	60
2	70	66	63	60	68	65	62	59	63	60	58	61	59	57	59	57	56	54	57	56	54	54	54	54	54	54	54	54
3	65	60	57	53	64	59	56	53	58	55	52	56	53	51	54	52	50	49	52	50	49	49	49	49	49	49	49	49
4	61	55	50	47	60	54	50	47	52	49	46	51	48	45	50	47	45	44	47	45	44	44	44	44	44	44	44	44
5	57	50	45	41	55	49	45	41	48	44	41	47	43	40	45	42	40	39	42	40	39	39	39	39	39	39	39	39
6	52	45	40	37	51	45	40	37	43	39	36	42	39	36	41	38	36	35	38	36	35	35	35	35	35	35	35	35
7	48	41	36	32	47	40	35	32	39	35	32	38	35	32	38	34	31	30	34	31	30	30	30	30	30	30	30	30
8	45	37	32	28	44	36	32	28	36	31	28	35	31	28	34	30	28	27	30	28	27	27	27	27	27	27	27	27
9	41	33	28	25	41	33	28	25	32	28	25	32	28	25	31	27	25	24	27	25	24	24	24	24	24	24	24	24
10	37	29	24	21	37	29	24	21	28	24	21	27	23	21	27	23	20	19	23	20	19	19	19	19	19	19	19	19

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	91	84	79	86	91	85	77	83	91	85	77	83
20	30	93	88	82	80	94	88	82	78	94	88	82	78
20	40	95	90	85	82	95	90	86	82	95	90	86	82
20	60	96	92	88	85	96	92	88	85	96	92	88	85
30	20	94	88	81	83	94	88	79	81	94	88	79	81
30	30	95	91	83	79	96	91	83	78	96	91	83	78
30	40	97	93	86	81	97	93	87	81	97	93	87	81
30	60	98	94	89	84	98	94	89	84	98	94	89	84
30	80	98	95	90	86	98	95	91	86	98	95	91	86
40	20	95	91	84	84	96	91	83	82	96	91	83	82
40	30	97	93	86	80	97	93	86	79	97	93	86	79
40	40	98	95	89	82	98	95	89	82	98	95	89	82
40	60	99	96	91	85	99	96	91	85	99	96	91	85
40	80	99	97	92	87	99	97	93	87	99	97	93	87
40	100	100	97	93	89	100	97	94	89	100	97	94	89
60	30	98	95	88	82	98	95	88	82	98	95	88	82
60	40	99	96	91	84	99	96	91	84	99	96	91	84
60	60	99	97	92	87	100	97	93	87	100	97	93	87
60	80	100	98	94	89	100	98	94	89	100	98	94	89
60	100	100	98	95	90	100	98	95	90	100	98	95	90
100	40	100	98	93	88	100	98	93	88	100	98	93	88
100	60	100	98	95	90	100	98	95	90	100	98	95	90
100	80	100	99	96	92	100	99	96	92	100	99	96	92
100	100	100	99	97	93	100	99	97	93	100	99	97	93



A.L.P.
LIGHTING COMPONENTS, INC.
 CORPORATE HQ: CHICAGO, IL U.S.A.
WEB SITE: WWW.ALP-LTG.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
EAST (Philadelphia) — (856) 486-0700 • FAX: (800) 545-6192
 © 1999 A.L.P. LIGHTING COMPONENTS, INC., PRINTED IN THE U.S.A., PL3 068