



Para-Lite 5 (High Efficiency 70.2%)

DESCRIPTION

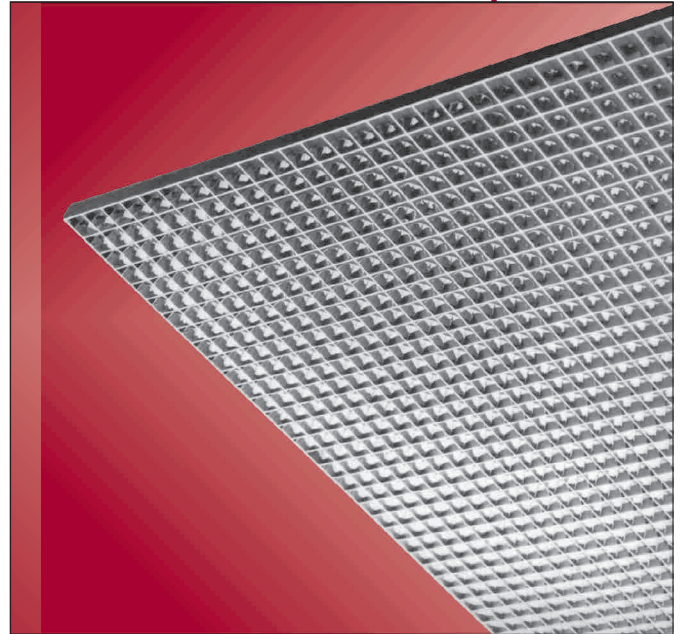
Para-Lite 5, a **shallow depth** parabolic louver specifically designed for today's and tomorrow's **energy and lighting needs**. A small cell louver offering **maximum** in illuminating **efficiency** while maintaining a discrete **low brightness** appearance because of the louver design. High efficiency and brightness control are the ultimate combination to meet **today's energy concerns**. The perfect louver for **CRT installations**. Meets or exceeds most energy codes.

Para-Lite 5 is the ideal solution where a small cell **shallow depth** parabolic louver and greater lighting efficiency is required. These louvers are **easily installed** in lighted ceiling, lighting fixture or retrofit installations. Little or no modification of the louver panel is required for installation in most existing or new fluorescent luminaires. The louver's **28° shielding angle** gives excellent lamp obscuration.

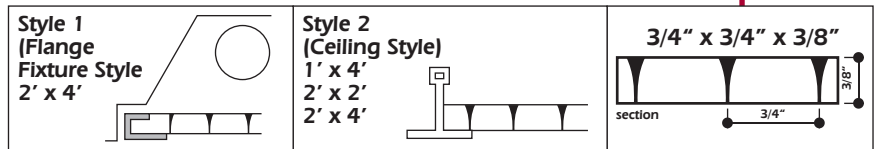
We recommend the **Durabolic Finish** for all specular plastic louvers. This Durabolic Finish allows ease of handling and maintenance.

APPLICATIONS

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



Para-Lite 5



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

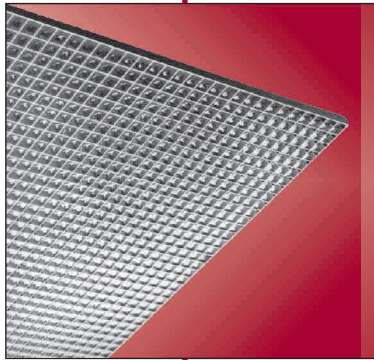
Example: PL5/2 24 SPS CUT 21-1/2X44-1/2

Louver	Style	Size	Material / Finish	Fabrication Options
Para-Lite 5 3/4" x 3/4" x 3/8" enter <u>PL5</u>	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. 22-3/4" x 22-3/4" 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* SPG — Durabolic Specular Gold SSS — Semi-Specular Silver SPGA — Durabolic Specular Gold 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

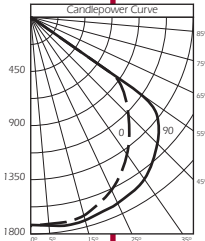
Note: All Para-Lite 5 louvers are destaticized before and after fabrication to ensure a high quality product.

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

PARA-LITE 5 PHOTOMETRICS



TS: TECHNICAL SUPPORT
 Lighting Research Laboratories, Inc.
 Test Report No. LRL 397-3H, Date 3/5/97.
Description: Commercially Available 2' x 4' Troffer
 2/32W T8 Lamps, 3/8" deep Parabolic Specular Silver Louver.
 Luminary Watts = 61.0.
 Catalog Number: Louver **PL5** 24 SPS
 Lamp Type: F32T8/TL80, Lumens: 3050,
 Number of Lamps: 2



* Other testing results available upon request.

Total Luminaire Efficiency:	70.2%
Plane:	0° 90°
Spacing Criteria:	1.3 1.4
Shielding Angles:	28 28

Specifications

Parabolic Louvers shall be Para-Lite 5 as manufactured by A.L.P. Lighting Components, Inc., and shall be one piece injection molded of polystyrene or acrylic with all parabolic surfaces prepared with a primary undercoat, highly specular vacuum metalized finish. Nominal cell dimensions shall be 3/4" x 3/4" x 3/8" high and shall provide 28° shielding with a louver efficiency of not less than 70%. This louver has a VCP index rating of .88 (specular silver finish) and a .75 coefficient of utilization for a RCR of 1.

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	1706	1706	1706	1706	1706	
5.0	1695	1697	1696	1701	1697	162
15.0	1661	1668	1670	1707	1736	478
25.0	1538	1547	1621	1682	1690	748
35.0	1350	1414	1487	1577	1630	937
45.0	1073	1171	1281	1368	1415	980
55.0	784	890	1011	1108	1166	894
65.0	45	84	136	73	19	81
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	1388	22.8	32.4
0-40	2325	38.1	54.3
0-60	4199	68.8	98.1
0-90	4280	70.2	100
90-180	0	0.0	0.0
0-180	4280	70.2	100.0

ANG. IN DEG.	AVG. 0-DEG.	AVG. 45-DEG.	AVG. 90-DEG.
45	2468	2946	3255
55	2223	2867	3306
65	173	523	73
75	0	0	0
85	0	0	0

ZONAL CAVITY COEFFICIENTS OF UTILIZATION

Ceiling	EFFECTIVE FLOOR CAVITY REFLECTANCE = 20																
	80				70				50				30				
	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
0	84	84	84	84	82	82	82	78	78	78	75	75	75	72	72	72	70
1	79	76	74	72	77	75	73	71	72	70	69	68	67	67	66	65	63
2	74	70	66	63	72	68	65	63	66	63	61	64	62	60	62	60	57
3	69	64	59	56	68	63	59	56	61	57	55	59	56	54	57	55	52
4	64	58	53	49	63	57	52	49	55	51	48	54	50	48	52	49	46
5	60	52	47	43	58	52	47	43	50	46	43	49	45	42	48	44	41
6	55	47	42	38	54	47	42	38	45	41	38	44	40	37	43	40	37
7	51	43	37	33	50	42	37	33	41	36	33	40	36	33	39	35	31
8	47	38	33	29	46	38	33	29	37	32	29	36	32	29	35	32	29
9	43	35	29	26	43	34	29	26	34	29	26	33	29	26	32	28	25
10	39	30	25	21	38	30	25	21	29	25	21	29	24	21	28	24	21

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	90	84	78	85	89	81	73	81				
20	30	93	87	82	80	92	85	78	74				
20	40	94	89	86	82	94	88	82	78				
20	60	96	91	88	85	95	90	85	82				
30	20	93	87	79	82	92	85	75	79				
30	30	95	90	83	78	94	89	80	74				
30	40	97	92	86	81	96	91	84	78				
30	60	98	94	88	84	97	92	87	81				
30	80	98	95	90	86	98	93	89	84				
40	20	95	90	82	82	94	88	79	80				
40	30	97	92	85	79	96	91	83	76				
40	40	98	94	88	81	97	93	86	79				
40	60	99	95	90	84	98	94	89	82				
40	80	99	96	92	87	99	95	91	85				
40	100	100	97	93	88	99	96	92	87				
60	30	98	94	87	81	97	93	85	79				
60	40	99	96	90	84	98	95	89	82				
60	60	99	97	92	86	99	96	91	85				
60	80	100	97	93	88	99	96	92	87				
60	100	100	98	95	90	99	97	93	88				
100	40	100	97	93	87	99	96	92	86				
100	60	100	98	95	90	100	97	93	88				
100	80	100	98	96	91	100	98	95	90				
100	100	100	99	96	93	100	98	96	91				



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

CENTRAL (Chicago) — (877) ALP-ITG1 • 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
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