

Ceiling Cutout: 8" (203 mm) Dia.

Reflector Trim				Frame-In Kit	
(Lens)	Fresnel	Clear	Prismatic		
Clear Cone, White Flange	8097FCLW	8097CCLW	8097PCLW	S7126BU	7" aperture, 1 lamp 26W Triple Tube CFL (120/277V) 4-Pin (Amalgam)
Clear Cone, Polished Flange	8097FCLP	8097CCLP	8097PCLP	S7132BU	7" aperture, 1 lamp 26/32W Triple Tube CFL (120/277V) 4-Pin (Amalgam)
White Cone, White Flange	8097FWHW	8097CWHW	8097PWHW	S7142BU	7" aperture, 1 lamp 26/32/42W Triple Tube CFL (120/277V) 4-Pin (Amalgam)
	Opal Diffuser			Dimming Options:	
Clear Cone, White Flange	8097DCLW			S7132B <input type="checkbox"/> or S7142B <input type="checkbox"/>	
Clear Cone, Polish Flange	8097DCLP			CU3	Lightolier PowerSpec 3% Dimming (120/277V)
White Cone, White Flange	8097DWHW			J1LD3	Lutron 5% Dimming (120V)
				J2LD3	Lutron 5% Dimming (277V)
				JUM7	Mark 7 Dimming (120/277V)
				J1MX	Mark 10 Dimming (120V)
				J2MX	Mark 10 Dimming (277V)
				Other dimming product available, please consult factory	
				Remodeler Frame-In Kits	
				7126BURM	7" aperture, 1 lamp 26W Triple Tube CFL (120/277V) 4-Pin (Amalgam)
				7132BURM	7" aperture, 1 lamp 26/32W Triple Tube CFL (120/277V) 4-Pin (Amalgam)
				7142BURM	7" aperture, 1 lamp 26/32/42W Triple Tube CFL (120/277V) 4-Pin (Amalgam)

Features

- Reflector:** 16 ga. Die-formed aluminum, Anobrite® finish.
- Socket Cup:** Snaps onto reflector to assure consistently correct optical alignment without tools.
- Retaining Springs:** Precision-tooled steel friction springs secure reflector to mounting frame for quick, tool-less installation.
- Mounting Brackets:** 16 ga. steel. Adjust from inside of fixture. Use 3/4" or 1 1/2" lathing channel, 1/2" EMT, or optional mounting bars.
- Ballast/J-Box:** Outboard mounted to reduce heat transfer and maintain lamp efficacy and life. Service from below without tools.
- Shielding Media:** Molded acrylic. Available in fresnel lens, clear lens, or opal diffuser. Secured to aperture cone.
- Cone:** 16 ga. Alzak® aluminum. Clear Iridescence Free finish or Comfort Clear™ low iridescence finish. Retained by friction springs; no loose parts.

Electrical

Note: For ballast electrical data and latest lamp/ballast compatibility refer to "Ballast" specification sheet for complete electrical data.

UL listed for through branch circuit wiring with max of (8) No. 12 AWG, 90° C supply conductors.

Options and Accessories

Comfort Clear™ Finishes¹		Other Finishes	
Clear	CCL	White	WH
Diffuse	CCD		
Champagne Bronze	CCZ		

¹Specify desired flange

W White, **P** Polished

Emergency Add suffix **EM***

Chicago Plenum Add suffix **LC**

Options and Accessories (continued)

Existing/Thk. Ceiling **FA EC7***

Emergency Ltg. Kit **FA EM3E***

FA EM4E*

Fuse (Slow Blow) Add Suffix **F**

*See Spec. Sheets: FAEC, FAEM

Mounting Bars & Accessories; see Specification Sheet MBA.

Sloped Ceiling Adapters; see Specification Sheet SCA.

Labels

All units are UL listed for wet locations, Opal Diffuser is UL listed for damp locations, I.B.E.W.

Alzak® is a registered trademark of ALCOA.

Job Information	Type:
Job Name:	
Cat. No.:	
Lamp(s):	
Notes:	

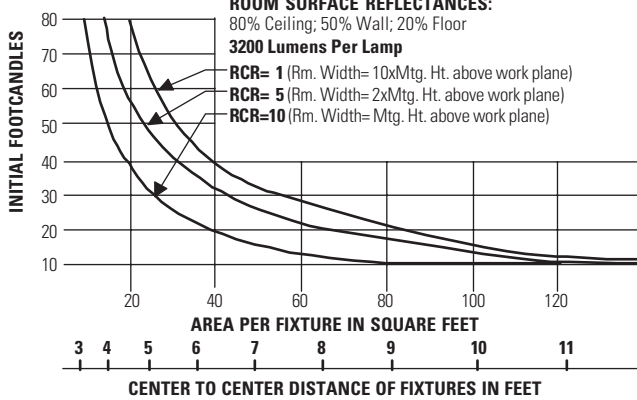
631 Airport Road, Fall River, MA 02720 • (508) 679-8131 • Fax (508) 674-4710

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Clear Reflector Cone (CL)

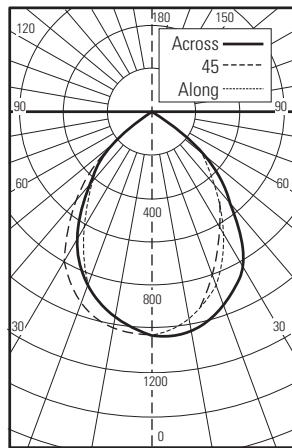
Quick Calculator



This quick calculator chart determines the number and spacing of 1 Lt. - 42W PL-T units with Fresnel Lens and Clear Cone for any level of illumination. Conversion factors: Opal diffuser, fc x 0.8; Clear Shielding, fc x 1.0.

Spacing Ratio = 1.2

CERTIFIED TEST REPORT NO. 0066FR
COMPUTED BY LSI PROGRAM **TEST-LITE**
CALCULITE 7 3/16" DIAMETER RECESSED FLUORESCENT LENSED DOWNLIGHT
SEMI-SPECULAR REFLECTOR WITH CLEAR CONE AND FRESNEL LENS
LUMEN RATING = 3200 LMS. 1-42W PL-T LAMP



ANGLE	CANDLEPOWER				
	ALONG	225	45	67.5 ACROSS	LUMENS
0	1027	1027	1027	1027	1027
5	1002	994	1006	1022	1037 48
10	964	942	969	1001	1034
15	906	851	887	932	995 128
20	831	738	786	852	937
25	736	619	692	773	880 167
30	619	519	603	698	805
35	508	449	516	590	680 169
40	420	406	431	469	525
45	335	349	361	381	413 144
50	267	310	307	313	322
55	102	132	129	144	156 70
60	34	41	47	55	61
65	4	8	9	12	14 8
70	0	0	0	0	0
75	0	0	0	0	0
80	0	0	0	0	0
85	0	0	0	0	0
90	0	0	0	0	0

ZONAL LUMENS AND PERCENTAGES			
ZONE	LUMENS	% LAMP	% LUMINAIRE
0-30	719	22.47	47.85
0-40	1081	33.79	71.95
0-60	1490	46.58	99.19
0-90	1502	46.97	100.00
40-90	421	13.17	28.05
60-90	12	.38	.81
90-180	0	.00	.00
0-180	1502	46.97	100.00

** EFFICIENCY = 47.0% **

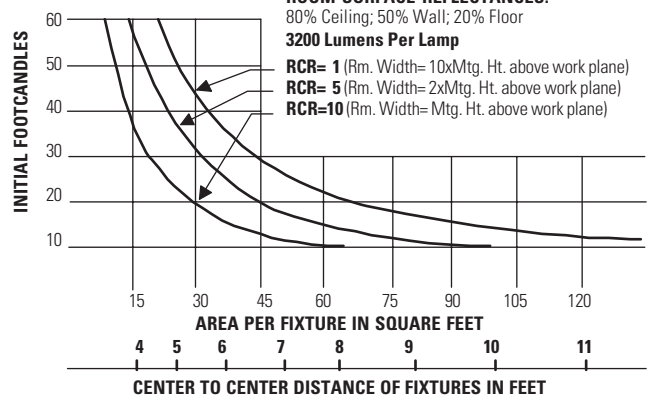
Coefficients Of Utilization

ROOM CAVITY RATIO	% EFFECTIVE CEILING CAVITY REFLECTANCE															
	80			70			50			30			10			0
	% WALL REFLECTANCE						0									
50	30	10	50	30	10	50	30	10	50	30	10					
1	.52	.51	.49	.51	.50	.49	.49	.48	.47	.47	.46	.46	.46	.45	.44	.44
2	.48	.46	.44	.47	.45	.44	.46	.44	.43	.44	.43	.42	.43	.42	.41	.40
3	.44	.42	.40	.44	.42	.40	.43	.41	.39	.41	.40	.38	.40	.39	.38	.37
4	.41	.38	.36	.41	.38	.36	.40	.37	.36	.39	.37	.35	.38	.36	.35	.34
5	.38	.35	.33	.38	.35	.33	.37	.34	.33	.36	.34	.32	.35	.33	.32	.31
6	.35	.32	.30	.35	.32	.30	.34	.32	.30	.33	.31	.29	.33	.31	.29	.29
7	.32	.29	.27	.32	.29	.27	.31	.29	.27	.31	.28	.27	.30	.28	.26	.26
8	.30	.27	.25	.29	.27	.24	.29	.26	.24	.29	.26	.24	.28	.26	.24	.23
9	.28	.24	.22	.27	.24	.22	.27	.24	.22	.26	.24	.22	.26	.24	.22	.21
10	.25	.22	.20	.25	.22	.20	.25	.22	.20	.24	.22	.20	.24	.22	.20	.19

20% FLOOR CAVITY REFLECTANCE
Conversion Factors: Opal Diffuser, cu x 0.8; Clear Shielding, cu x 1.0.

White Reflector Cone (WH)

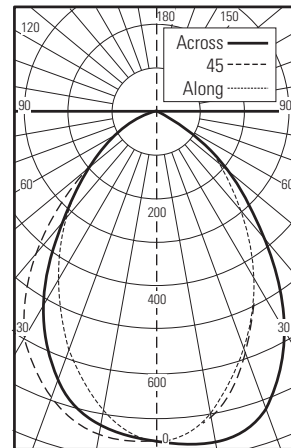
Quick Calculator



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Spacing Ratio = 1.2

CERTIFIED TEST REPORT NO. 0071FR
COMPUTED BY LSI PROGRAM **TEST-LITE**
CALCULITE 7 3/16" DIAMETER RECESSED FLUORESCENT LENSED DOWNLIGHT
SEMI-SPECULAR REFLECTOR WITH WHITE CONE AND FRESNEL LENS
LUMEN RATING = 3200 LMS. 1-42W PL-T LAMP



ANGLE	CANDLEPOWER				
	ALONG	225	45	67.5 ACROSS	LUMENS
0	753	753	753	753	753
5	740	727	739	753	765 35
10	700	679	712	746	774
15	643	612	660	712	757 95
20	377	532	591	656	718
25	514	460	517	585	660 124
30	448	394	444	506	581
35	382	342	376	422	486 124
40	314	294	312	341	387
45	249	243	252	269	295 101
50	188	190	197	209	223
55	134	139	144	156	163 66
60	90	94	98	104	109
65	59	62	64	67	68 34
70	43	47	42	48	48
75	30	33	33	33	34 17
80	17	20	20	20	21
85	5	7	7	7	7 5
90	0	0	0	0	0

ZONAL LUMENS AND PERCENTAGES			
ZONE	LUMENS	% LAMP	% LUMINAIRE
0-30	531	16.60	42.26
0-40	802	25.07	63.82
0-60	1150	35.96	91.55
0-90	1256	39.23	100.00
40-90	454	14.21	36.18
60-90	106	3.32	8.45
90-180	0	.00	.00
0-180	1256	39.28	100.00

** EFFICIENCY = 39.3% **

Coefficients Of Utilization

ROOM CAVITY RATIO	% EFFECTIVE CEILING CAVITY REFLECTANCE															
	80			70			50			30			10			0
	% WALL REFLECTANCE						0									
50	30	10	50	30	10	50	30	10	50	30	10					
1	.43	.41	.40	.42	.41	.40	.40	.39	.39	.39	.38	.37	.37	.37	.36	.36
2	.39	.37	.35	.38	.36	.35	.37	.35	.34	.36	.35	.33	.35	.34	.33	.32
3	.35	.33	.31	.35	.33	.31	.34	.32	.31	.33	.31	.30	.32	.31	.30	.29
4	.33	.30	.28	.32	.30	.28	.31	.29	.28	.30	.29	.27	.27	.28	.27	.26
5	.30	.27	.26	.30	.27	.25	.29	.26	.25	.28	.26	.25	.27	.26	.24	.24
6	.27	.25	.23	.27	.24	.23	.26	.24	.22	.26	.24	.22	.25	.23	.22	.21
7	.25	.22	.20	.25	.22	.20	.24	.22	.20	.24	.22	.20	.23	.21	.20	.19
8	.23	.20	.18	.23	.20	.18	.22	.20	.18	.22	.20	.18	.22	.20	.18	.17
9	.21	.19	.17	.21	.18	.17	.21	.18	.16	.20	.18	.16	.20	.18	.16	.16
10	.20	.17	.15	.19	.17	.15	.19	.17	.15	.19	.16	.15	.18	.16	.15	.14

20% FLOOR CAVITY REFLECTANCE
Conversion Factors: Opal Diffuser, cu x 0.8; Clear Shielding, cu x 1.0.

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