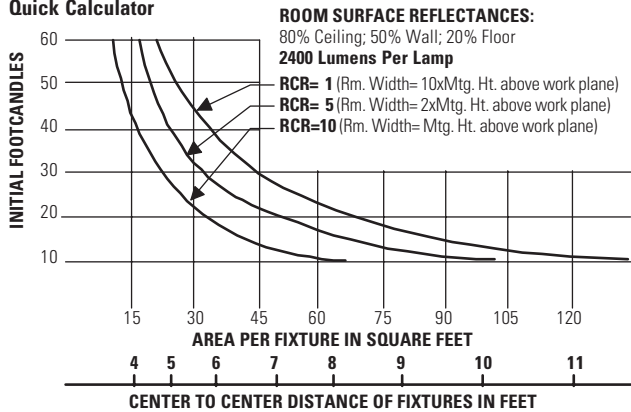


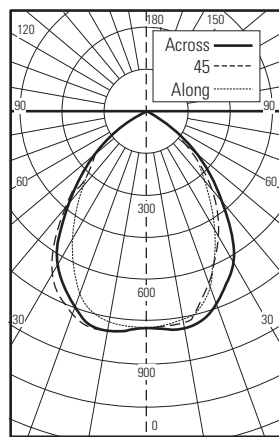
32W Clear Cone (CL) Quick Calculator



This quick calculator chart determines the number and spacing of 1 Lt. - 32W PL-T units with fresnel lens and clear reflector, for any level of illumination. Conversion factors: Opal diffuser, fc x 0.8; Clear lens, fc x 1.0. 1 Lt. - 26W PLT : Fresnel Lens, fc x 0.8; Opal Diffuser, fc x 0.65; Clear lens fc x 0.8.

Spacing Ratio = 1.2

CERTIFIED TEST REPORT NO. 0075FR
COMPUTED BY LSI PROGRAM **TEST-LITE**
CALCULITE 6" DIAMETER RECESSED FLUORESCENT LENSED DOWNLIGHT
SEMI-SPECULAR REFLECTOR WITH CLEAR CONE AND FRESNEL LENS
LUMEN RATING = 2400 LMS.
1-32W PL-T LAMP,



ANGLE	CANDLEPOWER				
	ALONG 22.5	45	67.5	ACROSS	LUMENS
0	780	780	780	780	780
5	773	778	779	782	785
10	758	768	774	781	790
15	736	732	738	753	776
20	680	647	664	699	739
25	589	552	591	633	688
30	499	489	530	572	630
35	413	425	446	481	536
40	334	358	364	386	425
45	268	286	288	304	323
50	210	232	232	239	244
55	87	105	109	116	119
60	32	38	42	45	47
65	6	8	9	9	11
70	1	1	1	2	2
75	1	1	1	1	1
80	1	1	1	1	1
85	0	1	1	0	1
90	0	1	1	0	1

ZONE	ZONAL LUMENS AND PERCENTAGES			
	LUMENS	% LAMP	% LUMINAIRE	
0-30	585	24.40	47.62	
0-40	886	36.92	72.06	
0-60	1216	50.67	98.90	
0-90	1229	51.24	100.00	
40-90	343	14.32	27.94	
60-90	13	.57	1.10	
90-180	0	.00	.00	
0-180	1229	51.24	100.00	

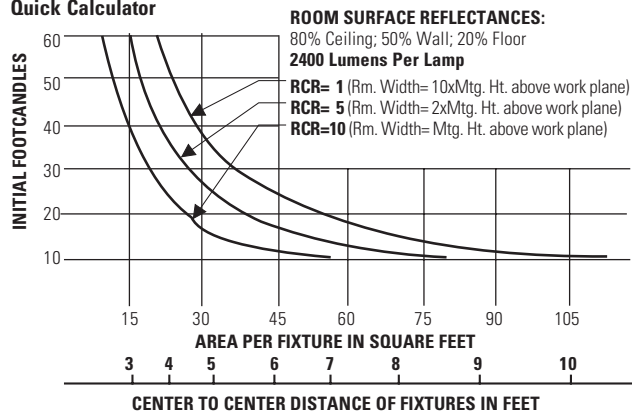
** EFFICIENCY = 51.2% **

Coefficients Of Utilization

ROOM CAVITY RATIO	% EFFECTIVE CEILING CAVITY REFLECTANCE																							
	80				70				50				30				10				0			
	% WALL REFLECTANCE				% WALL REFLECTANCE				% WALL REFLECTANCE				% WALL REFLECTANCE				% WALL REFLECTANCE							
1	.56	.55	.54	.56	.54	.53	.53	.52	.51	.51	.51	.50	.49	.48	.48	.48	.46	.44	.44	.44	.44	.44		
2	.52	.50	.48	.51	.49	.48	.50	.48	.47	.48	.47	.46	.47	.46	.45	.44	.43	.41	.40	.40	.40	.40		
3	.48	.46	.44	.48	.45	.43	.46	.44	.43	.45	.43	.42	.44	.43	.41	.40	.38	.36	.35	.34	.33	.33		
4	.45	.42	.40	.44	.42	.39	.43	.41	.39	.42	.40	.38	.41	.39	.38	.37	.35	.33	.32	.31	.30	.30		
5	.42	.38	.36	.41	.38	.36	.40	.37	.35	.39	.37	.35	.38	.36	.35	.34	.32	.30	.29	.28	.27	.27		
6	.38	.35	.33	.38	.35	.32	.37	.34	.32	.36	.34	.32	.36	.33	.32	.31	.29	.27	.26	.25	.24	.24		
7	.35	.32	.30	.35	.32	.29	.34	.31	.29	.33	.31	.29	.33	.31	.29	.28	.26	.24	.23	.22	.21	.21		
8	.32	.29	.27	.32	.29	.27	.32	.29	.27	.31	.28	.26	.30	.28	.26	.25	.23	.21	.20	.19	.18	.18		
9	.30	.27	.24	.30	.26	.24	.29	.26	.24	.29	.26	.24	.28	.26	.24	.23	.21	.19	.18	.17	.16	.16		
10	.28	.24	.22	.27	.24	.22	.27	.24	.22	.26	.24	.22	.26	.23	.22	.21	.19	.17	.16	.15	.14	.14		

20% FLOOR CAVITY REFLECTANCE
Conversion Factors: 1 Lt-32W PLT: Opal Diffuser, CU x 0.8; Clear Lens, CU x 1.0.
1 Lt-26W PLT: Fresnel Lens, CU x 1.1; Opal Diffuser, CU x 0.9; Clear Lens, CU x 1.1.

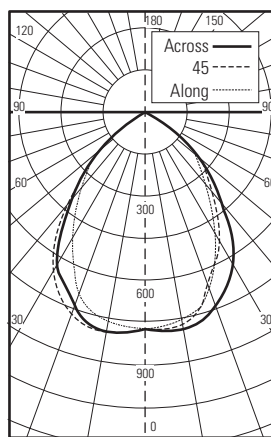
32W White Cone (WH) Quick Calculator



This quick calculator chart determines the number and spacing of 1 Lt. - 32W PL-T units with fresnel lens and white cone, for any level of illumination. Conversion factors: Opal diffuser, fc x 0.8; Clear lens, fc x 1.0. 1 Lt. - 26W PLT : Fresnel Lens, fc x 0.8; Opal Diffuser, fc x 0.65; Clear lens fc x 0.8.

Spacing Ratio = 1.1

CERTIFIED TEST REPORT NO. 0072FR
COMPUTED BY LSI PROGRAM **TEST-LITE**
CALCULITE 6" DIAMETER RECESSED FLUORESCENT LENSED DOWNLIGHT
SEMI-SPECULAR REFLECTOR WITH WHITE CONE AND FRESNEL LENS
LUMEN RATING = 2400 LMS.
1-32W PL-T LAMP,



ANGLE	CANDLEPOWER				
	ALONG 22.5	45	67.5	ACROSS	LUMENS
0	656	656	656	656	656
5	649	654	657	660	662
10	626	639	650	660	669
15	588	605	622	639	654
20	525	546	567	592	617
25	452	479	501	526	563
30	378	419	432	450	490
35	312	363	361	370	405
40	256	303	290	297	322
45	200	233	225	231	244
50	144	156	165	171	180
55	99	115	115	117	120
60	66	74	76	77	79
65	46	48	49	50	52
70	35	36	37	38	39
75	26	27	27	27	29
80	16	17	17	19	19
85	7	9	9	9	9
90	1	1	1	1	1

ZONE	ZONAL LUMENS AND PERCENTAGES			
	LUMENS	% LAMP	% LUMINAIRE	
0-30	468	19.51	44.30	
0-40	697	29.07	66.29	
0-60	956	40.28	91.86	
0-90	1052	43.86	100.00	
40-90	354	14.76	33.71	
60-90	85	3.57	8.14	
90-180	0	.00	.00	
0-180	1052	43.86	100.00	

** EFFICIENCY = 43.9% **

Coefficients Of Utilization

ROOM CAVITY RATIO	% EFFECTIVE CEILING CAVITY REFLECTANCE																							
	80				70				50				30				10				0			
	% WALL REFLECTANCE				% WALL REFLECTANCE				% WALL REFLECTANCE				% WALL REFLECTANCE				% WALL REFLECTANCE							
1	.48	.46	.45	.47	.46	.44	.45	.44	.43	.43	.43	.42	.42	.41	.41	.40	.38	.36	.35	.34	.33	.33		
2	.44	.42	.40	.42	.41	.39	.41	.40	.38	.40	.39	.38	.39	.38	.37	.36	.34	.32	.31	.30	.29	.29		
3	.40	.37	.35	.39	.37	.35	.38	.38	.34	.37	.35	.34	.36	.33	.33	.33	.31	.29	.28	.27	.26	.26		
4	.37	.34	.32	.36	.34	.32	.35	.33	.31	.34	.32	.31	.34	.32	.30	.30	.28	.26	.25	.24	.23	.23		
5	.34	.31	.29	.33	.31	.28	.33	.30	.28	.32	.30	.28	.31	.29	.28	.27	.25	.23	.22	.21	.20	.20		
6	.31	.28	.26	.31	.28	.26	.30	.28	.26	.29	.27	.25	.29	.27	.25	.25	.23	.21	.20	.19	.18	.18		
7	.29	.26	.23	.28	.25	.23	.25	.25	.23	.27	.25	.23	.27	.25	.23	.23	.21	.19	.18	.17	.16	.16		
8	.26	.23	.21	.26	.23	.21	.26	.23	.21	.25	.23	.21	.25	.23	.21	.21	.19	.17	.16	.15	.14	.14		
9	.24	.21	.19	.24	.21	.19	.24	.21	.19	.23	.21	.19	.23	.21	.19	.19	.17	.15	.14	.13	.12	.12		
10	.23	.20	.18	.22	.20	.18	.22	.20	.18	.22	.20	.18	.22	.20	.18	.18	.16	.14	.13	.12	.11	.11		

20% FLOOR CAVITY REFLECTANCE
Conversion Factors: 1 Lt-32W PLT: Opal Diffuser, CU x 0.8; Clear Lens, CU x 1.0.
1 Lt-26W PLT: Fresnel Lens, CU x 1.1; Opal Diffuser, CU x 0.9; Clear Lens, CU x 1.1.

Job Information Type:

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