

Ceiling Cutout: 8 5/16" (217 mm) Dia.

Ordering Information

Reflector Trim	Installation Ring	Gear Harness	Lamp Data
8097CBWEXP White Cone, White Flange	C7XRM Matte White	BKFEU26 BKFEU26-42	26, 32W or 42W Triple Tube GX24q-3 Base

Features

- 1. Reflector:** 16 ga. Die-formed aluminum, Anobrite® finish.
- 2. Socket Cup:** Snaps onto reflector neck to assure consistently correct optical alignment without tools. Included with Gear Harness assembly (see item 6 below).
- 3. Cross Blade Louver:** Die-formed, 16 ga. aluminum, matte white or painted aluminum finish. Accepts lens (consult factory). 50° cutoff to lamp, medium beam. Keyed for orientation.
- 4. Installation Ring:** Cast aluminum ring is painted and has three 17ga. stainless steel springs that engage in upright position during installation. One touch snap action secures ring in ceiling cutout. ORDER SEPARATELY. See separate specification sheet for details.
- 5. Trim Retention Springs:** Rust resistant springs secure reflector/housing for quick, toolless installation (quantity of 4).
- 6. Gear harness (not shown):** Electronic 240V, 50/60Hz fluorescent ballast with lamp socket and wiring harness. ORDER SEPARATELY. See separate specification sheet for details.

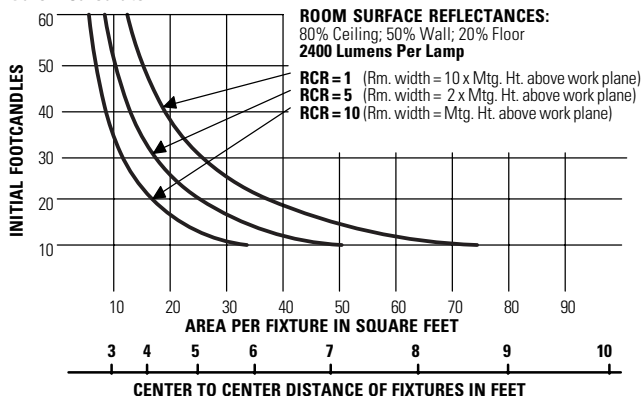
Certifications and Ratings



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

631 Airport Road, Fall River, MA 02720 • (508) 679-8131 • Fax (508) 674-4710
 We reserve the right to change details of design, materials and finish.
 www.lightolier.com © 2008 Philips Group • A0508

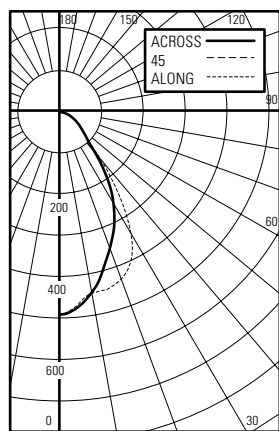
32W Quick Calculator



This quick calculator chart determines the number and spacing of 1 ft.-32W PL-T units with white cross blade, for any level of illumination.
Conversion Factors: 32W PLT with Aluminum Cross Blade, f.c. x 0.7; 26W PLT with white cross blade, f.c. x 0.8; 26W with Aluminum Cross Blade, f.c. x 0.6.

Spacing Ratio = 0.8

CERTIFIED TEST REPORT NO. 3060FR
CALCULITE COMPACT FLUORESCENT
DIFFUSE REFLECTOR WITH WHITE PAINTED 4 CELL LOUVER
1-32W PL-T LAMP, LUMEN RATING = 2400 LMS.



ANGLE	CANDLEPOWER				
	ALONG 22.5	45	67.5	ACROSS	LUMENS
0	497	497	497	497	497
5	484	483	483	480	479
10	452	451	444	446	452
15	408	403	407	437	451
20	361	348	376	421	439
25	318	304	342	388	412
30	269	261	296	338	356
35	214	212	233	256	268
40	152	157	165	171	177
45	102	114	109	107	90
50	80	82	79	79	79
55	64	64	63	64	65
60	51	51	51	51	52
65	40	40	40	40	41
70	30	30	30	31	31
75	21	21	21	22	2
80	13	13	13	13	13
85	6	6	6	6	7
90	1	1	1	1	1

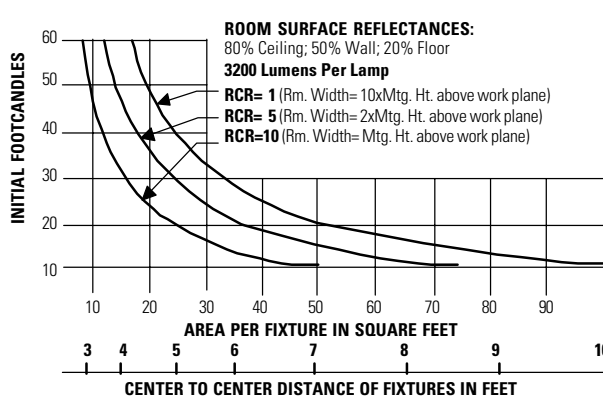
ZONAL LUMENS AND PERCENTAGES			
ZONE	LUMENS	% LAMP	% LUMINAIRE
0-30	324	13.53	47.11
0-40	471	19.66	68.47
0-60	619	25.81	89.87
0-90	689	28.72	100.00
40-90	217	9.05	31.53
60-90	69	2.91	10.13
90-180	0	0.00	0.00
0-180	689	28.72	100.00

Coefficients of Utilization

ROOM CAVITY RATIO	% EFFECTIVE CEILING CAVITY REFLECTANCE															
	80				70				50				30			
	50	30	10	0	50	30	10	0	50	30	10	0	50	30	10	0
1	.31	.30	.29	.30	.29	.28	.29	.28	.27	.28	.27	.27	.27	.26	.26	.25
2	.28	.26	.25	.27	.26	.24	.26	.25	.24	.25	.24	.23	.24	.24	.23	.22
3	.25	.23	.22	.24	.23	.21	.24	.22	.21	.23	.22	.21	.22	.21	.20	.20
4	.23	.21	.19	.22	.20	.19	.22	.20	.19	.21	.20	.18	.20	.19	.18	.18
5	.21	.19	.17	.20	.19	.17	.20	.18	.17	.19	.18	.17	.19	.18	.17	.16
6	.19	.17	.15	.19	.17	.15	.18	.17	.15	.18	.16	.15	.18	.16	.15	.15
7	.18	.16	.14	.17	.15	.14	.17	.15	.14	.17	.15	.14	.16	.15	.14	.13
8	.16	.14	.13	.16	.14	.13	.16	.14	.13	.16	.14	.13	.15	.14	.13	.12
9	.15	.13	.12	.15	.13	.12	.15	.13	.12	.15	.13	.12	.14	.13	.12	.11
10	.14	.12	.11	.14	.12	.11	.14	.12	.11	.14	.12	.11	.13	.12	.11	.10

20% FLOOR CAVITY REFLECTANCE
Conversion Factors: 32W PLT with Aluminum Cross Blade, C.U. x 0.7;
26W PLT with White Cross Blade, C.U. x 1.1; Aluminum Cross Blade, C.U. x 0.8.

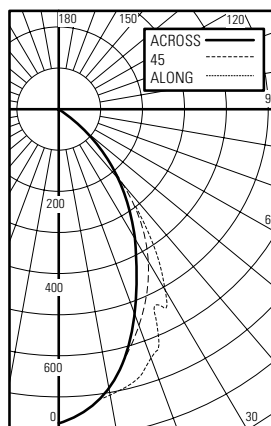
42W Quick Calculator



This quick calculator chart determines the number and spacing of 1 ft.-42W PL-T units with white cross blade, for any level of illumination. Conversion Factors: Aluminum Cross Blade, f.c. x 0.7.

Spacing Ratio = 0.8

CERTIFIED TEST REPORT NO. LSI 12581
CALCULITE COMPACT FLUORESCENT
DIFFUSE REFLECTOR WITH WHITE PAINTED 4 CELL LOUVER
LUMEN RATING = 3200 LMS. 1-42W PL-T LAMP



ANGLE	CANDLEPOWER				
	ALONG 22.5	45	67.5	ACROSS	LUMENS
0	762	762	762	762	762
5	740	740	742	742	742
10	706	694	683	688	691
15	663	669	626	609	622
20	646	613	559	471	521
25	531	544	496	430	435
30	501	439	423	365	361
35	371	353	332	294	285
40	241	238	240	227	218
45	141	147	154	164	152
50	104	102	103	112	108
55	84	81	81	82	84
60	67	65	64	64	67
65	52	51	50	51	52
70	39	38	38	38	39
75	27	27	26	27	28
80	17	16	16	16	17
85	7	7	7	7	9
90	0	0	0	0	0

ZONAL LUMENS AND PERCENTAGES			
ZONE	LUMENS	% LAMP	% LUMINAIRE
0-30	471	14.75	49.51
0-40	571	21.00	70.50
0-60	866	27.07	90.39
0-90	993	29.79	100.00
40-90	281	6.79	29.50
60-90	86	2.71	9.11
90-180	0	0.00	0.00
0-180	953	29.79	100.00

Coefficients of Utilization

ROOM CAVITY RATIO	% EFFECTIVE CEILING CAVITY REFLECTANCE															
	80				70				50				30			
	50	30	10	0	50	30	10	0	50	30	10	0	50	30	10	0
1	.32	.32	.31	.32	.31	.30	.31	.30	.29	.29	.29	.28	.28	.28	.28	.28
2	.30	.28	.27	.29	.28	.27	.28	.27	.26	.27	.26	.26	.27	.26	.25	.25
3	.27	.26	.24	.27	.25	.24	.26	.25	.24	.25	.24	.23	.25	.24	.23	.22
4	.25	.23	.22	.25	.23	.22	.24	.23	.22	.24	.22	.21	.23	.22	.21	.21
5	.23	.21	.20	.23	.21	.20	.23	.21	.20	.22	.21	.20	.22	.20	.19	.19
6	.22	.20	.18	.22	.20	.18	.21	.19	.18	.21	.19	.18	.20	.19	.18	.18
7	.20	.18	.17	.20	.18	.17	.20	.18	.17	.19	.18	.16	.19	.17	.16	.16
8	.19	.17	.15	.19	.17	.15	.18	.17	.15	.18	.16	.15	.18	.16	.15	.15
9	.18	.16	.14	.17	.15	.14	.17	.15	.14	.17	.15	.14	.16	.15	.14	.14
10	.15	.14	.13	.16	.14	.13	.16	.14	.13	.16	.14	.13	.15	.14	.13	.13

20% FLOOR CAVITY REFLECTANCE
Conversion Factors: Aluminum Cross Blade, C.U. x 0.7.

Job Information Type:

631 Airport Road, Fall River, MA 02720 • (508) 679-8131 • Fax (508) 674-4710
We reserve the right to change details of design, materials and finish.
www.lightolier.com © 2008 Philips Group • A0508