

Ceiling Cutout: 8 1/2" (217 mm) Dia.

**Ordering Information**

Reflector Trim	Installation Ring	Socket Harness	Lamp Data
8022CCDPEXP Comfort Clear Diffuse, Polished Flange	C7XRM Matte White	BKFEU26 BKFEU26-42	26, 32W or 42W Triple Tube GX24q-3 Base

**Features**

- Reflector:** 16 ga. Alzak® aluminum, 50° visual cutoff to lamp and lamp image, medium distribution.
- Socket Cup:** Snaps onto reflector neck to assure consistently correct optical alignment without tools. Included with Gear Harness assembly (see item 5 below).
- 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.
- Trim Retention Springs:** Rust resistant springs secure reflector/housing for quick, toolless installation (quantity of 4).
- Gear harness (not shown):** Fluorescent ballast with lamp socket and wiring harness. ORDER SEPARATELY. See separate specification sheet for details.

**Certifications and Ratings**



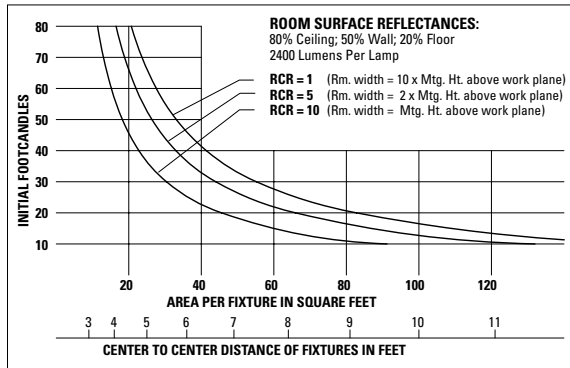
**Job Information**

**Type:**

**Job Name:**  
**Cat. No.:**  
**Lamp(s):**  
**Notes:**

631 Airport Road, Fall River, MA 02720 • (508) 679-8131 • Fax (508) 674-4710  
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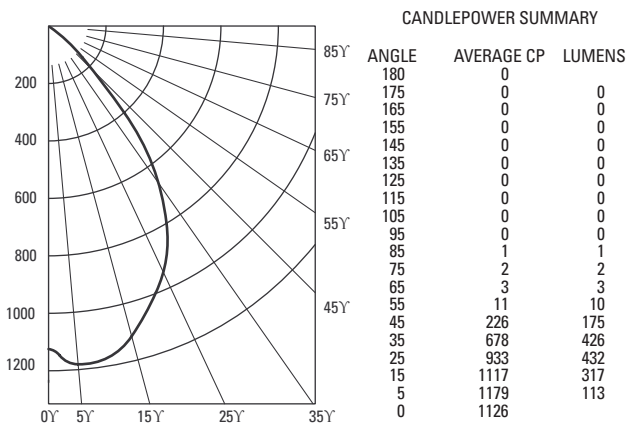
### 32W Quick Calculator



This quick Calculator chart determines the number and spacing of 1 ft.-32W PL-T units with Comfort Clear™ reflector for any level of illumination. Conversion factor: 1 ft. 26W PL-T with Comfort Clear™ reflector multiply, F.C. x 0.8.

### Spacing Ratio = 1.1

REPORT PREPARED FOR: LIGHTOLIER  
REPORT NO: LRL 499-9F2  
REPORT BY: LIGHTING RESEARCH LABORATORY, INC.  
DESCRIP: 7.5" DIA. RECESSED DOWNLIGHT WITH COMFORT CLEAR™  
REFLECTOR LAMPS: 1PL-T 32W LUMENS=2400



\*\*Efficiency = 61.6%\*\*

#### ZONAL LUMENS AND PERCENTAGES

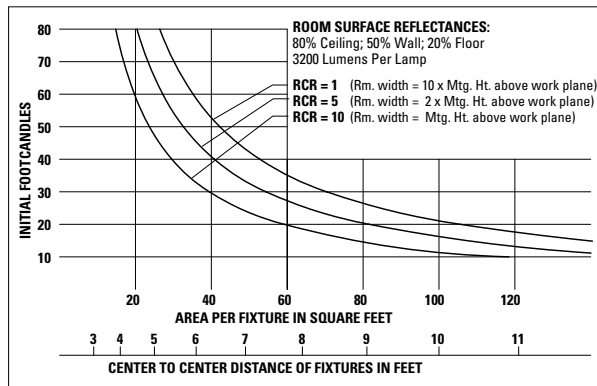
ZONE	LUMENS	% LAMP	% LUMINAIRE
0-30	861	35.9	58.3
0-40	1287	53.6	87.1
0-60	1472	61.3	99.6
0-90	1478	61.6	100.0
40-90	191	8.0	12.9
60-90	6	0.3	0.4
90-120	0	0.0	0.0
90-150	0	0.0	0.0
90-180	0	0.0	0.0
0-180	1478	61.6	100.0

### Coefficients of Utilization

ROOM CAVITY RATIO	EFFECTIVE CEILING CAVITY REFLECTANCE															
	80				70				50				10			
	WALL REFLECTANCE															
	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
1	.69	.67	.66	.67	.66	.65	.65	.64	.63	.63	.62	.61	.61	.60	.59	.58
2	.65	.63	.61	.64	.62	.60	.62	.60	.59	.60	.59	.58	.58	.57	.56	.56
3	.61	.59	.57	.61	.58	.56	.59	.57	.55	.58	.56	.55	.56	.55	.54	.53
4	.58	.55	.53	.57	.54	.52	.56	.54	.52	.55	.53	.51	.54	.52	.50	.50
5	.55	.51	.49	.54	.51	.49	.53	.50	.49	.52	.50	.48	.51	.49	.48	.47
6	.52	.48	.40	.51	.48	.40	.50	.48	.40	.50	.47	.45	.49	.47	.45	.44
7	.49	.45	.43	.46	.45	.43	.48	.45	.43	.47	.44	.43	.46	.44	.42	.42
8	.46	.42	.40	.40	.42	.40	.45	.42	.40	.44	.42	.40	.44	.41	.40	.39
9	.43	.40	.37	.43	.39	.37	.42	.39	.37	.42	.39	.37	.41	.39	.37	.36
10	.38	.35	.32	.38	.35	.32	.38	.35	.32	.37	.34	.32	.37	.34	.32	.31

20% FLOOR CAVITY REFLECTANCE

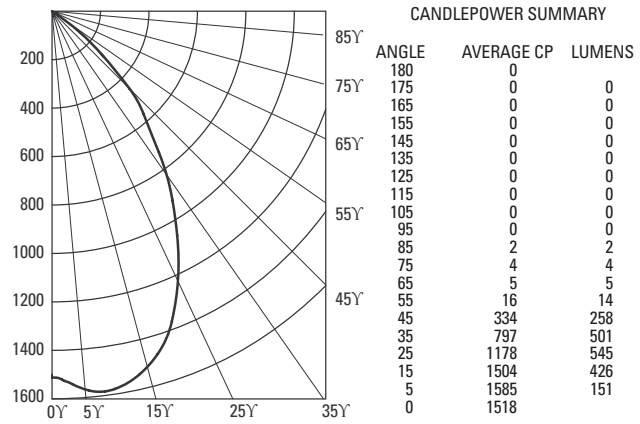
### 42W Quick Calculator



This quick Calculator chart determines the number and spacing of 1 ft.-42W PL-T units with Comfort Clear™ reflector for any level of illumination.

### Spacing Ratio = .9

REPORT PREPARED FOR: LIGHTOLIER  
REPORT NO: LRL 499-9E  
REPORT BY: LIGHTING RESEARCH LABORATORY, INC.  
DESCRIP: 7.5" DIA. x 11 HT RECESSED DOWNLIGHT WITH COMFORT CLEAR™ REFLECTOR.  
LAMPS: 1PLT 42W LUMENS=3200



\*\*Efficiency = 59.6%\*\*

#### ZONAL LUMENS AND PERCENTAGES

ZONE	LUMENS	% LAMP	% LUMINAIRE
0-30	1123	35.1	58.9
0-40	1623	50.7	85.1
0-60	1896	59.3	99.4
0-90	1908	59.6	100.0
40-90	284	8.9	14.9
60-90	12	0.4	0.6
90-120	0	0.0	0.0
90-150	0	0.0	0.0
90-180	0	0.0	0.0
0-180	1908	59.6	100.0

April 27, 1999

### Coefficients of Utilization

ZONAL CAVITY METHOD  
EFFECTIVE FLOOR CAVITY REFLECTANCE = .20

CC WALL	EFFECTIVE CEILING CAVITY REFLECTANCE															
	80				70				50				10			
RCR	WALL REFLECTANCE															
	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
1	.66	.65	.64	.65	.64	.63	.63	.62	.61	.60	.60	.59	.58	.58	.57	.56
2	.62	.60	.58	.61	.59	.57	.59	.58	.56	.57	.56	.55	.56	.55	.54	.53
3	.58	.55	.53	.57	.55	.53	.56	.54	.52	.54	.53	.51	.53	.52	.50	.50
4	.55	.52	.49	.54	.51	.49	.53	.50	.48	.52	.50	.48	.51	.49	.47	.46
5	.51	.48	.46	.51	.48	.45	.50	.47	.45	.49	.46	.45	.48	.46	.44	.43
6	.48	.45	.42	.48	.45	.42	.48	.45	.42	.46	.44	.42	.45	.43	.41	.41
7	.45	.42	.39	.45	.41	.39	.44	.41	.39	.43	.41	.39	.43	.40	.38	.38
8	.42	.39	.36	.42	.38	.36	.41	.38	.36	.40	.38	.36	.40	.37	.36	.35
9	.39	.36	.33	.39	.35	.33	.38	.35	.33	.38	.35	.33	.37	.35	.33	.32
10	.37	.33	.31	.36	.33	.31	.36	.33	.31	.35	.32	.30	.35	.32	.30	.30

### Job Information

### Type:

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