

Ceiling Cutout: 8" (203 mm) Dia.

Reflector Trim	Frame-In Kit	Lamp
8022 CCLW Comfort Clear™, White Flange	7132BU Electronic 120V - 277V	26 or 32W Triple Tube
8022 CCLP Comfort Clear™, Polished Flange	7132BCU PowerSpec® Dimming 120V - 277V	4-Pin (Amalgam)
8022 CCL Comfort Clear™, Molded Trim Ring	7142BU Electronic 120V - 277V	42W Triple Tube
8022 <input type="checkbox"/> Add suffix. See options for other finishes.	7142BCU PowerSpec® Dimming 120V - 277V	4-Pin (Amalgam)
	Remodeler Frame-In Kit	Lamp
	7132BURM Electronic 120V - 277V	Same as 7132BU
	7142BURM Electronic 120V - 277V	Same as 7142BU

## Features

- Reflector:** 16 ga. Alzak® aluminum, 50° visual cutoff to lamp and lamp image, medium distribution. Comfort Clear™ low iridescence finish. Self-flanged or flangeless with molded white trim ring (field paintable).
- Socket Cup:** Die-cast aluminum cup effectively dissipates heat and positions lamp holder. Snaps onto reflector neck to assure consistently correct optical alignment without tools.
- Mounting Frame:** Die-cast aluminum for dry or plaster ceilings.
- 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.

## Electrical

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

7132BU, 7132BCU, 7142BU, 7142BCU: UL Listed for through branch circuit wiring with max of (8) No. 12 AWG, 90°C supply conductors.

7132BURM, 7142BURM: UL Listed for No. 12 AWG, 90°C supply conductors.

## Options and Accessories

### Comfort Clear™ Finishes<sup>1</sup>

Diffuse	CCD
Champagne Bronze	CCZ
Pewter	CPW

### Other Finishes

White	WH
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<sup>1</sup>Specify desired flange W White, P Polished  
Blank - Molded Ring

## Options and Accessories (continued)

Emergency  Add suffix EM\*

Chicago Plenum  Add suffix LC

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

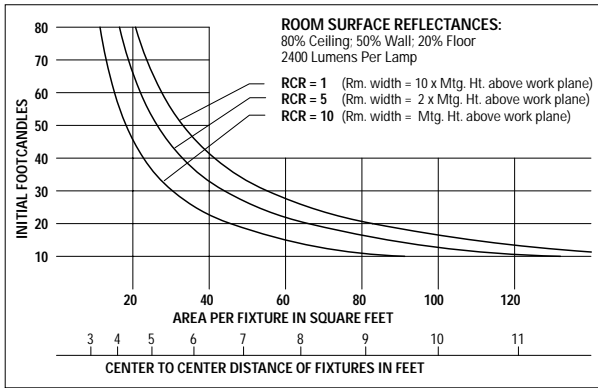
UL Listed for Damp Locations, I.B.E.W.

Alzak® is a registered trademark of ALCOA.

<b>Job Information</b>	Type:
Job Name:	
Cat. No.:	
Lamp(s):	
Notes:	



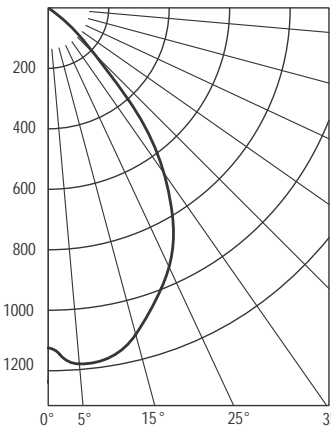
## 32W Quick Calculator



This quick Calculator chart determines the number and spacing of 1 Lt.-32W PL-T units with Comfort Clear™ reflector for any level of illumination. Conversion factor: 1 Lt. 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



CANDLEPOWER SUMMARY

ANGLE	AVERAGE CP	LUMENS
85°	0	0
180	0	0
175	0	0
165	0	0
155	0	0
145	0	0
135	0	0
125	0	0
115	0	0
105	0	0
95	0	0
85	1	1
75	2	2
65	3	3
55	11	10
45	45	175
35	678	426
25	933	432
15	1117	317
5	1179	113
0	1126	

\*\*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	100.00

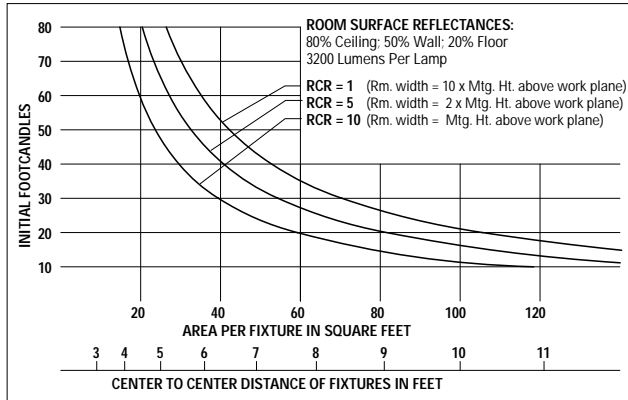
### Coefficients of Utilization

ROOM CAVITY RATIO	EFFECTIVE CEILING CAVITY REFLECTANCE																						
	80					70					50					10					0		
	50	30	10	50	30	10	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	.58	.57	.56	.56	.55	.54	.53
2	.65	.63	.61	.64	.62	.60	.62	.60	.58	.60	.59	.58	.58	.57	.56	.56	.55	.54	.53	.53	.52	.50	.50
3	.61	.59	.57	.61	.58	.56	.59	.57	.55	.58	.56	.55	.56	.55	.54	.53	.53	.52	.50	.50	.49	.47	.46
4	.58	.55	.53	.57	.54	.52	.56	.54	.52	.55	.53	.51	.54	.52	.50	.50	.48	.47	.46	.44	.43	.41	.41
5	.55	.51	.49	.54	.51	.49	.53	.50	.49	.52	.50	.48	.51	.49	.48	.47	.46	.44	.43	.42	.40	.39	.38
6	.52	.48	.40	.51	.48	.40	.50	.48	.40	.50	.47	.45	.49	.47	.45	.44	.43	.42	.40	.39	.37	.36	.35
7	.49	.45	.43	.46	.45	.43	.48	.45	.43	.47	.44	.43	.46	.44	.42	.42	.41	.40	.39	.37	.36	.35	.34
8	.46	.42	.40	.40	.42	.40	.45	.42	.40	.44	.42	.40	.44	.41	.40	.39	.38	.37	.36	.35	.34	.33	.32
9	.43	.40	.37	.43	.39	.37	.42	.39	.37	.42	.39	.37	.41	.39	.37	.36	.35	.34	.33	.32	.31	.30	.29
10	.38	.35	.32	.38	.35	.32	.38	.35	.32	.37	.34	.32	.37	.34	.32	.31	.30	.29	.28	.27	.26	.25	.24

20% FLOOR CAVITY REFLECTANCE

For 1 Lt. 26W triple tube with Comfort Clear reflector multiply C.U.'s by 1.1

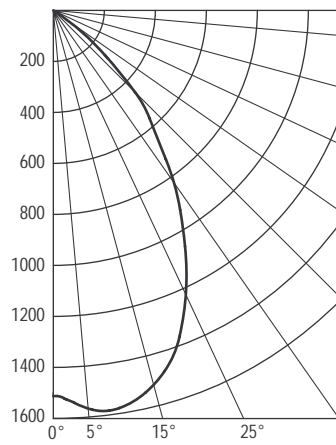
## 42W Quick Calculator



This quick Calculator chart determines the number and spacing of 1 Lt.-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



CANDLEPOWER SUMMARY

ANGLE	AVERAGE CP	LUMENS
85°	0	0
180	0	0
175	0	0
165	0	0
155	0	0
145	0	0
135	0	0
125	0	0
115	0	0
105	0	0
95	0	0
85	2	2
75	4	4
65	5	5
55	16	14
45	334	258
35	797	501
25	1178	545
15	1504	426
5	1585	151
0	1518	

\*\*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	100.00

April 27, 1999

### Coefficients of Utilization

ZONAL CAVITY METHOD  
EFFECTIVE FLOOR CAVITY REFLECTANCE = .20

CC WALL	EFFECTIVE CEILING CAVITY REFLECTANCE																						
	80					70					50					10					0		
RCR	50	30	10	50	30	10	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	.56	.55	.54	.53	.53	.52	.50
2	.62	.60	.58	.61	.59	.57	.59	.58	.56	.57	.56	.55	.56	.55	.54	.53	.53	.52	.50	.50	.49	.47	.46
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6	.48	.45	.42	.48	.45	.42	.47	.44	.42	.46	.44	.42	.45	.43	.41	.41	.40	.39	.37	.36	.35	.34	.33
7	.45	.42	.39	.45	.41	.39	.44	.41	.39	.43	.41	.39	.43	.40	.38	.38	.37	.36	.35	.34	.33	.32	.31
8	.42	.39	.36	.42	.38	.36	.41	.38	.36	.40	.38	.36	.40	.37	.36	.35	.34	.33	.32	.31	.30	.29	.28
9	.39	.36	.33	.39	.35	.33	.38	.35	.33	.38	.35	.33	.37	.35	.33	.32	.31	.30	.29	.28	.27	.26	.25
10	.37	.33	.31	.36	.33	.31	.36	.33	.31	.35	.32	.30	.35	.32	.30	.29	.28	.27	.26	.25	.24	.23	.22

Job Information

Type:

Lightolier a Genlyte Thomas Company

www.lightolier.com

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.

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