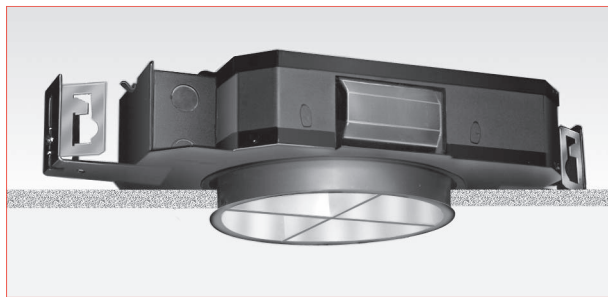
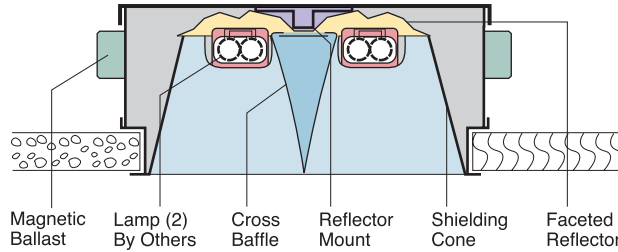
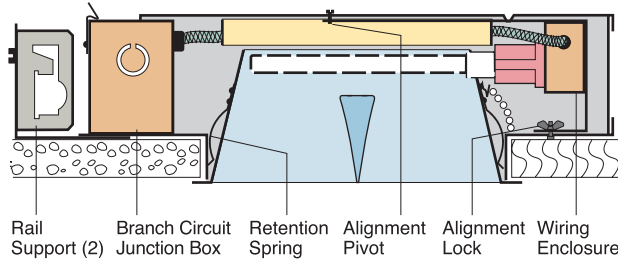


P337CB

**Shallow Depth
Two 13W Twin Tube Lamps
7 1/4" Cross Baffled Conoid Apertures**



Optics and Applications

Twin tube CBs use a two reflector system. The upper reflector is formed and faceted. The pattern is slightly asymmetric depending upon measurement parallel or perpendicular to the lamps. Use in corridors, transit areas, open spaces, foyers, restrooms: anywhere a minimum depth low level shielded source is required.

Design Features

A rigid steel housing protects the optical system. CB cone assemblies adjust 10° each way from below for alignment of baffles with adjacent units after installation. Maximum ceiling thickness 3/4". Ballast and lamp service from below.

Finish

A specular clear Alzak trim is standard. Optional colors and Softglow® finishes are available. The housing and all structural parts are phosphated for corrosion resistance before being painted optical matte black for control of stray light leaks.

Ballasts

Magnetic, encased and potted with class P thermal protection. Thermosetting silica fill for rapid heat dissipation. Minimum starting temperature 32°F (0°C). Ballast factor 1.0, THD <30%.

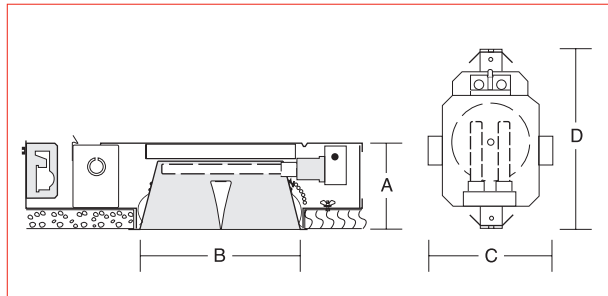
General

Fixtures are pre-wired, UL and C-UL listed for eight wire 75°C branch circuit wiring. Union made IBEW. Luminaire Efficiency Rating (LER) data is in the photometric directory located in Section Z.

Accessories

- G Gold cone.
- H Mocha cone.
- P Graphite cone.
- T Titanium cone.
- W Wheat cone.
- Y Pewter cone.
- Z Bronze cone.
- S Softglow® finishes: add S before color letters. e.g. SW for Softglow® wheat cone, SC for Softglow® clear cone.
- EM Emergency power. Includes battery pack, charger light, test switch and single lamp operation for 90 minutes.
- R2 26" support rails.
- R5 52" support rails.
- WT White trim flange.
- WHT White complete trim.
- DCM Double circuiting.
- V347 347 volt ballast.
- F Fuse.

Dimensions and Lamps



Number	A Depth	B Aperture	C Width	D Length**	Lamps*
P337CB	4" 102mm	7 1/4" 184mm	11 3/4" 299mm	19" 483mm	Two 13W Twin Tube

* Add 120 or 277 to catalog number for proper voltage.
** Length increases to 24" with EM accessory.

Matching Units

- Quad Tube downlights [Pages P3, P4](#)
- Wall washers [Pages P31, P32](#)
- Surface cylinders [Page P41](#)

** Click for link to pages in blue.

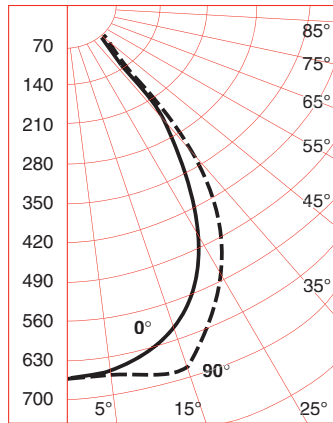
P21 P337CB

Performance Datachart

Single Unit Initial Footcandles, 30" Work Plane						Ceiling to Floor		Multiple Units Initial Footcandles, 30" Work Plane				
P337CB Two 13W Twin Tube lamps								Ceiling 80% Walls 50% Floor 20%				
Nadir	15°		25°		35°		Spacing is Maximum Over Work Plane					
FC	FC	Diam	FC	Diam	FC	Diam	Spacing	RCR 1	RCR 3	RCR 8		
22	19	3'	13	5'	5	8'	8'	6'	26	22	16	
16	14	3'	9	6'	4	9'	9'	7'	18	16	11	
12	10	4'	7	7'	3	11'	10'	8'	14	12	8	
9	8	5'	5	8'	2	12'	11'	9'	11	9	7	
7	6	5'	4	9'	2	13'	12'	10'	9	7	5	

See notes 4, 5 and 6.

Candlepower Distribution



P337CB Two 13W Twin Tube lamps
Eff. 40% S/M 0° .95 S/M 90° 1.1

Candelas

	0°	90°
o	1800*	1800*
0	665	665
5	659	669
10	637	664
15	607	674
20	551	631
25	460	552
30	353	449
35	240	337
40	145	178
45	79	91
50	37	25
55	6	3
60	0	0
65	0	0
70	0	0
75	0	0
80	0	0
85	0	0
90	0	0

o Vertical Angles
* Initial Lamp Lumens

Coefficients of Utilization

Ceiling	80%				70%		50%		30%		0
	70	50	30	10	50	10	50	10	50	10	0
Wall %	Zonal Cavity Method - Floor Reflectance 20%										
RCR	Zonal Cavity Method - Floor Reflectance 20%										
1	.45	.44	.43	.42	.43	.42	.42	.40	.40	.39	.37
2	.43	.41	.39	.38	.40	.37	.39	.37	.38	.36	.34
3	.41	.38	.36	.34	.37	.34	.36	.33	.35	.33	.32
4	.38	.35	.33	.31	.35	.31	.34	.31	.33	.30	.29
5	.36	.33	.30	.29	.33	.29	.32	.28	.31	.28	.27
6	.34	.31	.28	.26	.30	.26	.30	.26	.29	.26	.25
7	.33	.29	.26	.24	.28	.24	.28	.24	.27	.24	.23
8	.31	.27	.24	.23	.27	.23	.26	.23	.26	.22	.22
9	.29	.25	.23	.21	.25	.21	.25	.21	.24	.21	.20
10	.28	.24	.21	.20	.24	.20	.23	.20	.23	.20	.19

P337CB Two 13W Twin Tube lamps

Brightness

Number	Lamps	Plane	85°	75°	65°	55°	45°
P337CB	Two 13W Twin Tube	0°	2	6	11	570	3886
		90°	2	7	10	1866	6059

Data in footlamberts. Photometer readings, Maximum Brightness Method. See note 7.

Notes

- Data on all charts calculated with a clear specular cone finish.
- Specular cone multipliers: Wheat x .86, Pewter x .82, Mocha x .82, Graphite x .79, Titanium x .79, Bronze x .73.
- Softglow® cone multipliers: Clear x .98, Wheat x .82, Pewter x .66, Mocha x .74, Graphite x .70, Titanium x .70, Bronze x .63.
- Single unit Datachart pattern diameters are determined by the number of degrees from each side of nadir. Therefore a 15° diameter represents a total 30° pattern width at the work plane 30" above the floor. Footcandle values are at the edge of that diameter.
- Datachart spacing is rounded off to the nearest foot.
- Data by IES methods. Compact fluorescent data vary due to lamp lumen differences, power input, burning position, ambient temperature and ballast characteristics. Apply a modification factor.
- Brightness data from the Average Luminance Method are inaccurate for downlights. They are theoretical calculations for large surfaces such as troffer lenses. We recommend the stricter standard of Maximum Brightness Method point data from direct photometer readings. They approximate what the human eye perceives when evaluating glare. For more information refer to Z section brochure Z1.

Corridor Footcandles

P337CB Two 13W Twin Tube lamps												
Ceiling Height	Reflectances: Ceiling 80% Walls 50% Floor 20%											
	8' Centers						12' Centers					
	C/L	2'	4'	6'	C/L	C/L	2'	4'	6'	8'	10'	C/L
8'	14	14	14	14	14	12	11	8	6	8	11	12
9'	12	13	13	13	12	10	9	7	7	7	9	10
10'	11	11	12	11	11	8	8	7	7	7	8	8

Initial footcandles. Readings on the floor. 5' corridor width.

