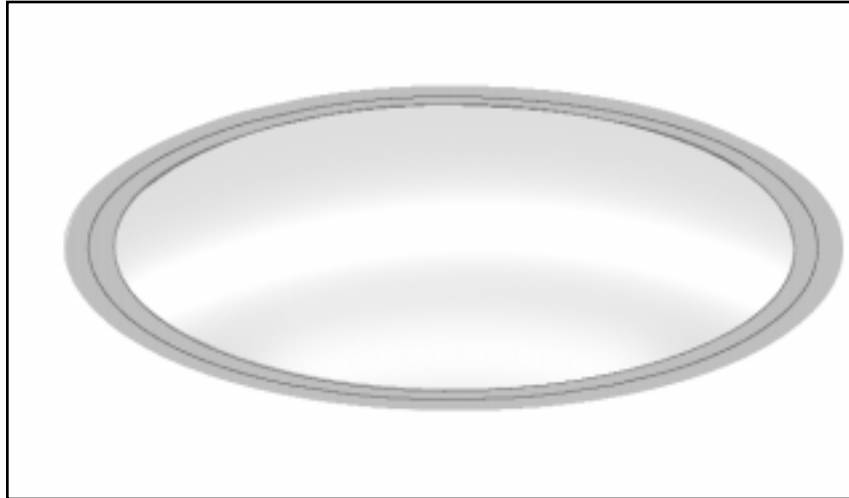


APPLICATIONS

- Conference Rooms
- Bank Lobbies
- Atriums
- Hallways
- Health Centers
- Corporate Offices
- Residences
- Showrooms



SPECIFICATIONS

HOUSING: Die formed of 20 ga. cold rolled steel, rigidly fabricated, and electrically welded to insure true and perfect alignment. Supplied in two sections which are joined in the ceiling during installation by installing contractor.

SOCKET PLATE: Die formed of code gauge steel, securely mounted and readily removable for socket maintenance.

REFLECTOR: Die formed of code gauge steel, securely mounted to housing. Formed to optically correct contour to provide maximum efficiency, removable to access wiring without the use of tools. XTA-XTRALUME® energy efficient reflector available (see OPTIONS).

DIFFUSER, DOOR: Flush door of .042 thick roll formed steel which is held to the trim ring by means of tension tite spring hinges, which can be lowered from any side for relamping without the use of tools or removing completely, no visible screws or hardware. Exclusive "LOCK-TITE" design prevents light leakage between trim ring and door.

The standard diffuser is a white 0.125" thick translucent white acrylic dome which can be installed either concave or convex. Other optional diffusing media available. (see OPTIONAL DIFFUSERS).

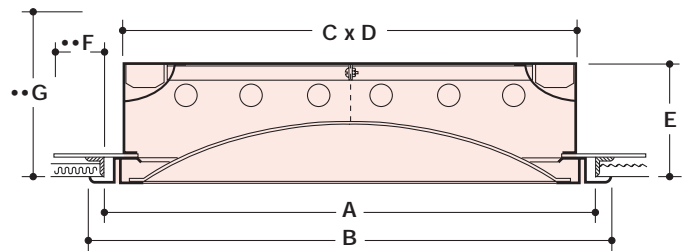
TRIM RING: Overlap flange of .042" thick roll formed steel which is bolted to the plaster ring.

ELECTRICAL: Thermally protected Class "P" Energy Saving Rapid Start HPF 265MA-T8, 270MA-Biax (Twin Tube) electronic ballasts standard for 118V 60 Hz operation. Other ballasts, voltages and frequencies available, consult factory.

MOUNTING: Supplied with a 1" x 1" x 1/8" rolled angle iron plaster ring which is tied to the ceiling supporting member. The housing which is in two sections is mounted above and attached to the plaster ring, the finishing "Z" (Trim Ring) is then bolted to both the housing and plaster ring. Due to the extreme weight of the CIRCLEDOME all ceiling lath, "Z" splines, "T" bars or purlin that support the plaster ring should be tied to the original slab.

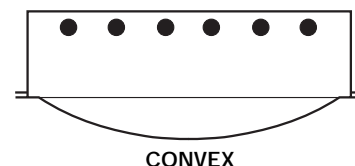
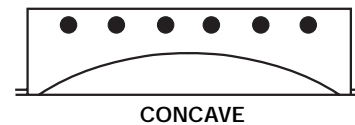
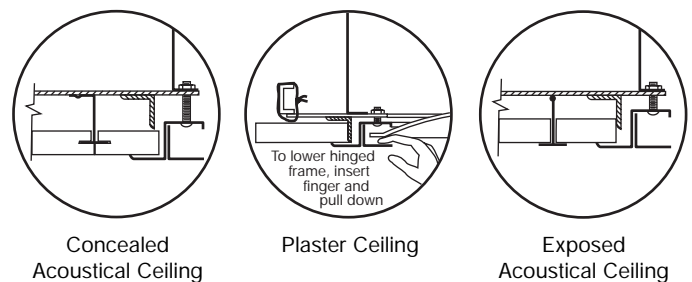
FINISH: All steel components parts are completely protected against rust and discoloration by an automated conveyerized multi-stage phosphate bonding process. Finished with an electrostatic baked white polyester thermosetting powder coating. This electronic computer controlled integrated system assures consistent 88%+ reflectance efficiency and maximum durability. Other colors available, see Options and CONSULT FACTORY.

CERTIFICATION: The CIRCLEDOME® Series 404 is U.L. and C.U.L. listed and bears the label of the I.B.E.W./AFL-CIO, Local #3. Optionally U.L. and C.U.L. listed for damp locations "DL".



	A	B	C	D	E	••F	••G
2' Dia.	24 1/4"	25 1/2"	23 1/2"	24"	8"	6"	10"
3' Dia.	36 1/4"	37 3/4"	35 1/2"	36"	8"	9"	10"
• 4' Dia.	• 44 1/4"	45 7/8"	43 1/2"	48"	8"	12"	10"

- Fits between T Bars 48" on center, of exposed T Lay-in ceiling without cutting the T Bars.
- Clearance required around perimeter and top for installation of housing sections into ceiling thru plaster ring.



CIRCLEDOME®, XTRALUME® and LEGION® are registered trademarks of LEGION LIGHTING CO., INC.

ORDERING DATA

Catalog No.	No. and Type Lamps	Weight	Nominal Size
404-417-ACW	4-FO17-OCT-T8	45	2' Dia.
404-617-ACW	6-FO17-OCT-T8	50	
404-2U32-ACW	▲ 2-FBO32-OCT-T8	41	
404-4U31-ACW	★★ 4-FBO31-OCT-T8	46	
404-2BX40-ACW	* 2-F40TT/RS	41	
404-4BX40-ACW	* 4-F40TT/RS	46	
404-425-ACW	4-FO25-OCT-T8	85	3' Dia.
404-625-ACW	6-FO25-OCT-T8	95	
404-825-ACW	2-FO25-OCT-T8	95	
404-432-ACW	4-FO32-OCT-T8	85	● 4' Dia.
404-632-ACW	6-FO32-OCT-T8	95	
404-832-ACW	2-FO32-OCT-T8	95	

SPECIFY U-LAMP SPACING:

- ▲ Lamp spacing made for 6" center U-lamps or 1⁵/₈" center Octic U-lamps. For 1⁵/₈" center T8 U-lamp change U32 to U31. Example: **404-2U31-ACW**
- Fits between T bars 48" on center, of Exposed "T" Lay-in ceiling without cutting the T bars.
- * F40TT/RS is the ANSI designation of various lamp manufacturers, i.e.: G.E. Lighting "BIAX", Philips "PL", Osram "Dulux L", Sylvania TWIN TUBE. For F50TT/RS change cat. no. Example: **404-2BX50-ACW** and consult factory.
- ★★ 2 ft. dia. 4 lamp fixture not available with 6" center U-lamps.

OPTIONS

Suffix "DIM" after catalog no. for dimming ballast.
 Suffix "LT" after catalog no. for cold weather ballast.
 Suffix "EM" after cat. no. for emerg. battery pack, see price list for types.
 Suffix "DL" after catalog no. for damp location.
 Suffix "XTA" after catalog no. for XTRALUME® silver reflector std. with 85% reflectance, for 95% reflectance please specify your requirements.
 Door and trim ring available in other painted and plated finishes, consult factory for minimum quantity order and availability.

ENERGY SAVING BALLASTS Where applicable (consult factory).
 Suffix "ESB" after catalog number, then / and one of the following:

- | | |
|-------------------------|--------------------------------------|
| MAGNETIC | ELECTRONIC |
| "OCT"-Octron T8 Ballast | "EBO"-Electronic T8 Octron Ballast |
| | "EBDO"-Electronic T8 Dimming Ballast |

OPTIONAL DIFFUSERS

To specify, delete ACW from catalog no. and add suffix type designation after catalog no. Example: **404-432-FA**

- Type (AL) 1/2" cube aluminum louver.
- Type (PAF) Paraflex specular louver.
- Type (K15A) 3/16" thick acrylic plastic refractor.
- Type (GRA) Glass fiber-reinforced white acrylic.
- Type (FA) Flat white acrylic.

- Requires center mullion

PHOTOMETRICS - Coefficients of Utilization

Cat. No. **404-417-ACW**
 Diffuser: White acrylic
 Lamps: (4) FO17-OCT-T8
 each rated 1350 lumens

Floor	30%									
	Ceiling	80%			70%			50%		
	Wall	50%	30%	10%	50%	30%	10%	50%	30%	10%
10	.19	.16	.13	.19	.15	.13	.18	.15	.13	
9	.24	.21	.18	.24	.20	.18	.23	.20	.18	
8	.28	.24	.22	.28	.24	.21	.27	.24	.21	
7	.33	.29	.25	.32	.28	.25	.31	.28	.25	
6	.36	.32	.28	.35	.31	.28	.33	.30	.27	
5	.40	.36	.33	.39	.35	.32	.37	.34	.32	
4	.42	.39	.36	.41	.38	.35	.39	.37	.34	
3	.44	.41	.38	.43	.40	.38	.41	.38	.36	
2	.47	.44	.42	.46	.43	.41	.43	.41	.39	
1	.49	.47	.45	.48	.46	.44	.45	.43	.42	

Cat. No. **404-625-ACW**
 Diffuser: White acrylic
 Lamps: (6) FO25-OCT-T8
 each rated 2050 lumens

Floor	30%									
	Ceiling	80%			70%			50%		
	Wall	50%	30%	10%	50%	30%	10%	50%	30%	10%
10	.17	.14	.12	.16	.14	.12	.16	.13	.12	
9	.18	.16	.16	.21	.18	.16	.20	.18	.15	
8	.25	.21	.19	.24	.21	.19	.24	.21	.19	
7	.28	.25	.22	.28	.25	.22	.27	.24	.22	
6	.31	.29	.25	.30	.27	.25	.29	.26	.24	
5	.35	.31	.29	.34	.31	.28	.32	.30	.28	
4	.37	.34	.32	.36	.33	.31	.34	.32	.30	
3	.39	.36	.34	.38	.35	.33	.36	.34	.32	
2	.41	.39	.37	.40	.38	.36	.38	.36	.35	
1	.43	.41	.39	.42	.40	.38	.39	.38	.36	

Cat. No. **404-632-ACW**
 Diffuser: White acrylic
 Lamps: (6) FO32-OCT-T8
 each rated 2800 lumens

Floor	30%									
	Ceiling	80%			70%			50%		
	Wall	50%	30%	10%	50%	30%	10%	50%	30%	10%
10	.22	.18	.16	.22	.18	.16	.22	.18	.15	
9	.29	.24	.21	.29	.24	.21	.28	.24	.21	
8	.34	.29	.26	.33	.29	.25	.32	.28	.25	
7	.39	.34	.30	.38	.34	.30	.37	.33	.30	
6	.43	.38	.34	.42	.37	.34	.40	.36	.33	
5	.48	.43	.39	.47	.42	.39	.44	.41	.38	
4	.51	.47	.43	.50	.46	.42	.47	.44	.41	
3	.54	.50	.48	.52	.49	.45	.49	.45	.44	
2	.57	.54	.50	.55	.52	.49	.52	.50	.47	
1	.60	.57	.54	.58	.55	.53	.54	.52	.50	

Cat. No. **404-832-ACW**
 Diffuser: White acrylic
 Lamps: (8) FO32-OCT-T8
 each rated 2800 lumens

Floor	30%									
	Ceiling	80%			70%			50%		
	Wall	50%	30%	10%	50%	30%	10%	50%	30%	10%
10	.23	.29	.16	.23	.19	.16	.22	.19	.16	
9	.30	.25	.22	.30	.25	.22	.29	.25	.22	
8	.35	.30	.27	.34	.30	.26	.33	.29	.26	
7	.40	.35	.31	.39	.35	.31	.38	.34	.31	
6	.44	.39	.35	.43	.38	.35	.41	.37	.34	
5	.49	.44	.40	.48	.43	.40	.45	.42	.39	
4	.52	.48	.44	.51	.47	.43	.48	.45	.42	
3	.55	.51	.47	.53	.50	.46	.50	.47	.45	
2	.58	.55	.51	.56	.53	.50	.53	.51	.48	
1	.61	.58	.55	.59	.56	.54	.55	.53	.51	

Information supplied primarily for illustrative purposes, subject to change.
 Consult factory for verification and minimum quantity orders.

