

## APPLICATIONS

The PARALUME® series of surface luminaires are designed for individual or continuous row installations. The unit is ideal for offices, class rooms and libraries. The deep cell anodized low iridescence aluminum louver eliminates glare and ceiling reflections when used in task situations. Precise welding eliminates any light leaks at seams in housing.



## SPECIFICATIONS

**HOUSING:** Die formed of 20 ga. cold rolled steel, rigidly fabricated, and electrically welded to insure true and perfect alignment.

**SOCKET PLATE:** Die formed of 20 ga. cold rolled steel, securely mounted and readily removable for socket maintenance.

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

**LOUVER:** Large cell parabolic louver fabricated from semi-specular anodized low iridescence aluminum. Blades are precisely formed and rigidly assembled to maintain parabolic contour and assure proper surface brightness control. The louver assembly hinges from either side allowing access to the interior without the use of tools and floats within the housing in a fully bordered matte black reveal.

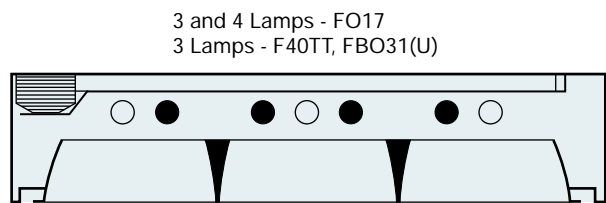
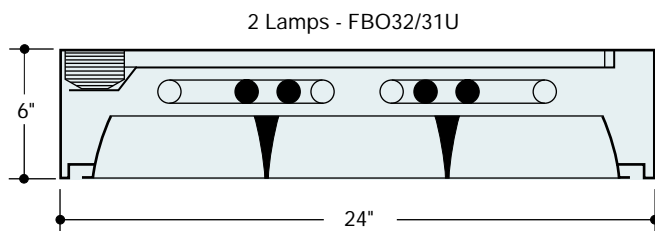
**ELECTRICAL:** Thermally protected Class "P" Energy Saving Rapid / Instant Start HPF 270MA-Biax (Twin Tube), 265MA-T8 electronic ballasts for 118V 60 Hz operation standard. Other electronic ballasts, other voltages and frequencies available, consult factory. (See OPTIONS).

**MOUNTING:** Designed for Surface mounting flush on ceiling, or Cable or Stem mounted, singly or in continuous rows. For continuous rows - knockouts are removed in end cap and units are joined together. Adequate knockouts for stem or flush surface mounting are provided.

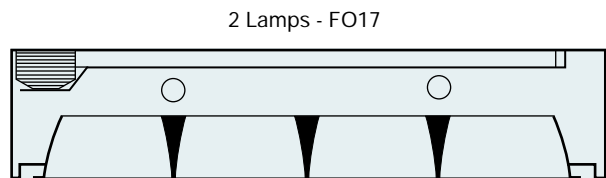
**FINISH:** All steel component parts are completely protected against rust and discoloration after fabrication through an automated conveyORIZED multi-stage phosphate bonding process. Finished with an electrostatic baked white polyester thermosetting powder coating. This electronic computer controlled integrated system assures consistent 88%+ reflectance efficiency and maximum durability.

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

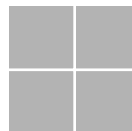
PARALUME®, XTRALUME® and LEGION® are registered trademarks of LEGION LIGHTING CO., INC.



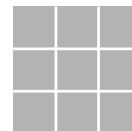
\* Consult factory for interior lamp configuration.



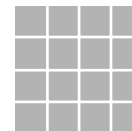
## LOUVERS



\*\* PB4/3  
4 CELL



PB9/3  
9 CELL



PB16/3  
16 CELL

\*\* Refer to Options on reverse side

ORDERING DATA

Catalog No.	No. and Type Lamps	Louwer # of Cells	Wt.	Nom. Size
542-217-PB9/3 EBO	2-F017-OCT-T8	9	29	2 x 2
542-217-PB16/3 EBO	2-F017-OCT-T8	16	30	2 x 2
542-317-PB9/3 EBO	3-F017-OCT-T8	9	32	2 x 2
542-317-PB16/3 EBO	3-F017-OCT-T8	16	33	2 x 2
542-417-PB9/3 EBO	4-F017-OCT-T8	9	32	2 x 2
542-417-PB16/3 EBO	4-F017-OCT-T8	16	33	2 x 2
542-2U31-PB9/3 EBO	2-FB031-OCT-T8	9	29	2 x 2
542-2U31-PB16/3 EBO	2-FB031-OCT-T8	16	30	2 x 2
542-3U31-PB9/3 EBO	3-FB031-OCT-T8	9	32	2 x 2
542-3U31-PB16/3 EBO	3-FB031-OCT-T8	16	33	2 x 2
542-2BX40-PB9/3 EBX	** 2-F40TT/RS	9	29	2 x 2
542-2BX40-PB16/3 EBX	** 2-F40TT/RS	16	30	2 x 2
542-3BX40-PB9/3 EBX	** 3-F40TT/RS	9	32	2 x 2
542-3BX40-PB16/3 EBX	** 3-F40TT/RS	16	33	2 x 2

UNITS FOR T5 LAMPS - CONSULT FACTORY

SPECIFY U-LAMP SPACING

Suffix /6 after cat. no. for 6" center lamps (T8).  
 Suffix /1 after cat. no. for 1 1/8" center lamps (T8).  
 Example: 542-2U31/6-PB9/3

\*\* 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 catalog number.  
 Example: 542-2BX50-PB9/3 etc. and consult factory.

•• Other louver cellular patterns available, see Options and consult factory. For 3x3 and 4x4 units, consult factory for availability

ADVISE FACTORY WHEN STEM MOUNTING.

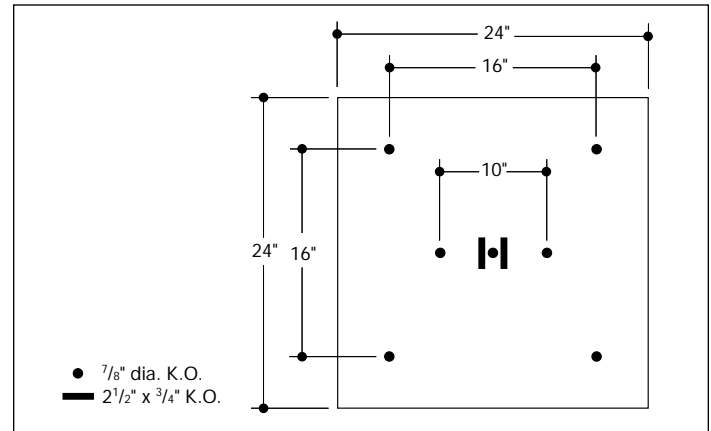
OPTIONS

- Suffix "DIM" after catalog no. for dimming ballast.
- Suffix "LT" after catalog no. for cold weather ballast.
- Suffix "EM" after catalog no. for emergency battery pack, see price list for types.
- Suffix "DL" after catalog no. for damp location.
- Suffix "PB4/3" after catalog no. for 4 cell louver.
- Suffix "WH" after catalog no. for white finish on louver.
- Suffix "SSG" after catalog no. for semi-specular gold finish on louver.
- Suffix "XTA" after catalog no. for XTRALUME® reflector standard with 85% reflectance, for 95% reflectance please specify your requirements.
- Consult factory for availability and minimum quantity order.

ELECTRONIC

- "EBO"- Electronic T8 Octron Ballast
- "EBDO"- Electronic T8 Dimming Ballast
- "EBX"- Electronic (BIAX) Twin Tube Ballast
- "EBDX"- Electronic (BIAX) Twin Tube Dimming Ballast

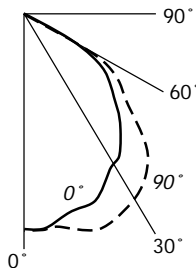
BACK PLAN



PHOTOMETRICS

Cat. No. 542-2FB031-PB9/3  
 9 cell Semi-Specular Aluminum Louver.  
 Lamps: (2) FBO31/U6/CW each rated 2935 lumens.

Total Luminaire efficiency = 57.2%  
 Plane 0-Deg. 90-Deg.  
 Spacing Criteria 1.19 1.39



Zonal Lumen Summary			
Zone	Lumens	% Lamp	% Fixt
0-30	1232	20.4	35.6
0-40	2019	33.3	58.3
0-60	3282	54.2	94.8
0-90	3461	57.2	100.0

Coefficients of Utilization - Zonal Cavity Method									
Floor	20%								
	80%			70%			50%		
Ceiling	80%	50%	30%	70%	50%	30%	50%	30%	10%
0	.67	.67	.67	.66	.66	.66	.63	.63	.63
1	.63	.61	.59	.61	.59	.58	.57	.56	.55
2	.58	.54	.51	.57	.53	.51	.52	.49	.47
3	.54	.49	.45	.53	.48	.44	.46	.43	.41
4	.50	.44	.40	.49	.43	.39	.42	.38	.36
5	.46	.40	.35	.45	.39	.35	.38	.34	.31
6	.43	.36	.31	.42	.35	.31	.34	.31	.28
7	.40	.33	.28	.39	.32	.28	.31	.28	.25
8	.37	.30	.25	.36	.30	.25	.29	.25	.22
9	.35	.27	.23	.34	.27	.23	.27	.23	.20
10	.32	.25	.21	.32	.25	.21	.25	.21	.18

Avg. Luminance (Footlamberts)		
Vertical Angle	Horizontal Plane 0°	Horizontal Plane 90°
45	389	481
55	325	413
65	75	72
75	29	24
85	30	19

Information supplied primarily for illustrative purposes, subject to change.  
 Consult factory for verification and minimum quantity orders.  
 For other photometric data, consult factory.