

APPLICATIONS

The PARALUME® II series of static and air handling troffers are designed for individual or continuous row installations in data processing areas, offices, schools, stores and libraries.

The deep cell anodized aluminum louver eliminates glare and ceiling reflections when used in task situations.



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 code gauge cold rolled steel, securely mounted and readily removable for socket maintenance.

REFLECTOR: Die formed of code gauge 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. XTA-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 Instant Start HPF 265MA-T8, 270MA-Biax (Twin Tube) electronic ballasts standard for 118V 60 Hz operation. Other voltages and frequencies available, consult factory.

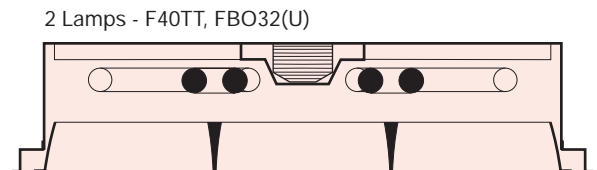
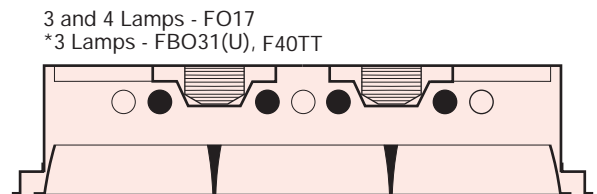
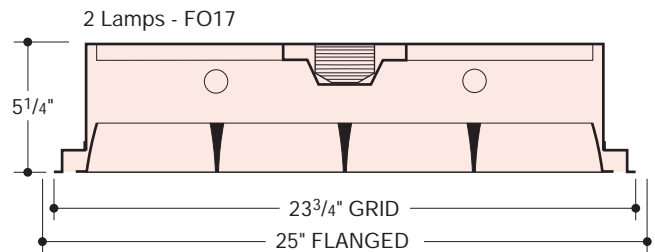
MOUNTING: Designed to integrate into most standard ceilings. Quick Mount leveling jacks are supplied on concealed mechanical units only. For grid type ceilings, unit rests on the flanges of the exposed spline or tee. Fine Line clips are supplied on units used in Donn-Fine Line type ceilings. See CEILINGS and specify type. Knockouts provided on back and ends for feed and thru-wiring.

AIR HANDLING: Designed to perform as a static air supply or air return unit, (see AIR HANDLING function). Compatible with all major air supply diffusers (supplied by others).

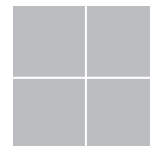
FINISH: All steel components parts are completely protected against rust and discoloration after fabrication through an automated conveyorized multi-stage phosphate bonding process. Finished with an electrostatic baked white polyester thermosetting powder coating. This electronic computer controlled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

CERTIFICATION: The PARALUME® II is 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".

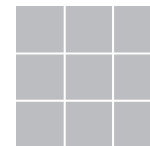
PARALUME®, XTRALUME® and LEGION® are registered trademarks of LEGION LIGHTING CO., INC.



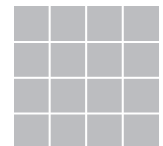
LOUVERS



•• PB4/2
4 CELL



PB9/2
9 CELL



PB16/2
16 CELL

•• Refer to OPTIONS on reverse side

6/05

Section B - Page 71

ORDERING DATA

Catalog No.	No. and Type	Specify Ceiling	Louwer #of Cells	Wt.	Nom. Size
272-217-PB9/2	2-F017-OCT-T8	*F, J, S	9	29	2 x 2
272-217-PB16/2	2-F017-OCT-T8	*F, J, S	16	30	2 x 2
272-317-PB9/2	3-F017-OCT-T8	*F, J, S	9	32	2 x 2
272-317-PB16/2	3-F017-OCT-T8	*F, J, S	16	33	2 x 2
272-417-PB9/2	4-F017-OCT-T8	*F, J, S	9	32	2 x 2
272-417-PB16/2	4-F017-OCT-T8	*F, J, S	16	33	2 x 2
272-2U32-PB9/2	▲ 2-FB032-OCT-T8	*F, J, S	9	29	2 x 2
272-2U32-PB16/2	▲ 2-FB032-OCT-T8	*F, J, S	16	30	2 x 2
272-3U31-PB9/2	■ 3-FB031-OCT-T8	*F, J, S	9	29	2 x 2
272-3U31-PB16/2	■ 3-FB031-OCT-T8	*F, J, S	16	30	2 x 2
272-2BX40-PB9/2	** 2-F40TT/RS	*F, J, S	9	29	2 x 2
272-2BX40-PB16/2	** 2-F40TT/RS	*F, J, S	16	30	2 x 2
272-3BX40-PB9/2	** 3-F40TT/RS	*F, J, S	9	32	2 x 2
272-3BX40-PB16/2	** 3-F40TT/RS	*F, J, S	16	33	2 x 2

SPECIFY U-LAMP SPACING

- ▲ Lamp spacing made for 6" center U-lamps or 1 5/8" center Octic U-lamps. For 1 5/8" center T8 lamps change U32 to U31. Example: **272-2U31-PB9/2**.
- Lamp spacing made for 1 5/8" center U-lamps only.
- * Advise run lengths when used in continuous runs.
- ** F40TT/RS is the ANSI designation of various lamp manufacturers, i.e.: G.E. Lighting "BIAX", Phillips "PL", Osram "Dulux L", Sylvania TWIN TUBE. For F50TT/RS change cat. no. Ex: **272-2BX50-PB9/2** etc. and consult factory. Other louver cellular patterns available, see OPTIONS and consult factory. For 3x3 and 4x4 units, consult factory for availability.

ALL UNITS ARE AVAILABLE FOR T5 LAMPS - CONSULT FACTORY WITH WATTAGE REQUIREMENTS.

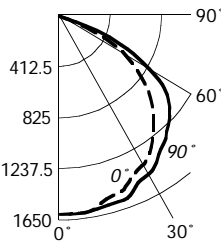
CEILINGINGS

<ul style="list-style-type: none"> + Type (F) Flanged, Wet plaster ceiling. (Requires plaster frame, optional) suffix PF. + Type (F) Flanged, Concealed "Z" spline ceiling, Z splines must face outward from troffer. + Type (F) Flanged, Metal pan 1" "T" bar only and Simplex Ceiling. + Type (F) Flanged, Armstrong ATS - snap bar must run perpendicular to side of troffer - Mount on black iron. ++ Type (J) Exposed inverted "T" ceiling. ++ Type (J) Concealed inverted "T" ceiling. ++ Type (J) Exposed inverted "T", Tegular ceiling. ++ Type (J) Exposed inverted "T", Fineline ceiling. (Req.'s. Fineline clips) suffix FLC. + Type (S) Flush, Wet plaster ceiling. (Requires plaster frame, optional) suffix PF. + Type (S) Flush, Concealed "Z" spline ceiling, Z splines must face outward from troffer. + Type (S) Metal pan 1" "T" bar only and Simplex ceiling. 	
<ul style="list-style-type: none"> + (F) Flanged and (S) Flush troffers provided with Quick Mount leveling jacks. ++ (J) Exposed (J) Concealed troffers: The corners of the ceiling opening should be well supported to withstand the weight of the troffer. 	<p>CONCEALED "Z" BAR Type "F" Flanged</p> <p>WET PLASTER Type "F" Flanged</p> <p>CONCEALED "Z" BAR Type "S" Slip-in flush trim</p> <p>EXPOSED "T" BAR Type "J" Lay-in</p> <p>CONCEALED "T" BAR Type "J" Lay-in</p> <p>FINE LINE Type "J" Lay-in</p>

PHOTOMETRIC DATA

Cat. No. **272-2U32-PB9/2**, with 2" deep 9 cell Semi-Specular Aluminum Louver
Lamps: (2) FBO32-OCT-T8 ea. rated 2800 lumens.

Total Luminaire Efficiency = 69.0%
Plane 0-Deg. 90-Deg.
Spacing Criteria 1.25 1.33



Average Luminance (Footlamberts)		
Vertical Angle	Horizontal Plane	
	0°	90°
0	534	534
45	489	574
55	433	561
65	310	362
75	29	26
85	27	15

Zonal Lumen Summary			
Zone	Lumens	% Lamp	% Fixt.
0-30	1272	20.9	30.2
0-40	2101	34.4	49.9
0-60	3713	60.9	88.2
0-90	4209	69.0	100.0

Coefficients of Utilization - Zonal Cavity Method											
Floor	Ceiling										
	80%			70%				50%			
Walls	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%
0	.82	.82	.82	.82	.80	.80	.80	.80	.76	.76	.76
1	.76	.73	.71	.68	.74	.72	.69	.67	.69	.67	.65
2	.70	.65	.60	.57	.68	.63	.60	.56	.61	.58	.55
3	.64	.57	.52	.48	.62	.56	.51	.48	.54	.50	.47
4	.58	.51	.45	.41	.57	.50	.45	.41	.48	.44	.40
5	.54	.45	.40	.35	.52	.45	.39	.35	.43	.38	.35
6	.50	.41	.35	.31	.48	.40	.35	.31	.39	.34	.30
7	.46	.37	.31	.27	.45	.36	.31	.27	.35	.30	.27
8	.43	.34	.28	.24	.42	.33	.28	.24	.32	.27	.24
9	.40	.31	.25	.22	.39	.30	.25	.22	.30	.25	.21
10	.37	.28	.23	.20	.36	.28	.23	.20	.27	.23	.19

Information supplied primarily for illustrative purposes, subject to change.
Consult factory for verification and minimum quantity orders. Photometrics and/or performance summaries for your particular layout available, consult factory.

