

## FEATURES

- Choice of low iridescent diffuse or specular louver finishes. Ideal for use with triphosphor lamps.
- Black reveal provides floating louver appearance, conceals optional air-supply slots.
- Overlapping flange and modular ceiling trims factory installed with standard swing-gate hangers or field convertible with optional trim and hanger kits.
- Optional heat-removal dampers and air-pattern control blades allow airflow control.
- T-hinges die-formed for maximum strength. Latches spring-loaded, concealed in reveal.
- Guaranteed for one year against mechanical defects in manufacture.

## SPECIFICATIONS

**BALLAST** — Thermally protected, resetting, Class P, HPF, non-PCB, UL listed, CSA certified ballast is standard. Energy-saving and electronic ballasts are sound rated A. Standard combinations are CBM approved and conform to UL 935.

**WIRING & ELECTRICAL** — Fixture conforms to UL 1570 and is suitable for damp locations. AWM, TFN or THHN wire used throughout, rated for required temperatures.

**MATERIALS** — Housing formed from cold-rolled steel. Louvers formed from anodized aluminum. No asbestos is used in this product.

**FINISH** — Five-stage iron-phosphate pretreatment ensures superior paint adhesion and rust resistance. Painted parts finished with high-gloss, baked white enamel.

**LISTING** — UL listed and labeled. Listed and labeled to comply with Canadian and Mexican Standards (see Options).

Specifications subject to change without notice.

Type

Catalog number

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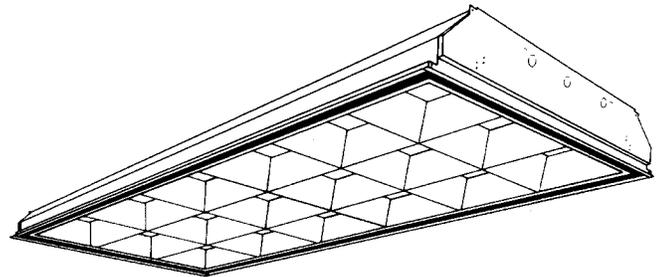
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**PARAMAX® Parabolic Troffer**

# PM4 2'x4'

4" Deep Louver

2 Lamps



## ENERGY

- Luminaire Efficacy Rating (LER) and Annual Energy Cost/1,000 Lumens:

2-lamp LER.FP (LD louver) = 53. Annual energy cost = \$4.53.  
Based on 32W T8 lamp, 2850 lumens, and premium magnetic T8 ballast. Ballast factor = .94, input watts = 70.

Calculated in accordance with NEMA standard LE-5.

## PHOTOMETRICS

Calculated using the zonal cavity method in accordance with IESNA LM41 procedures. Floor reflectances are 20%. Lamp configurations shown are typical. Full photometric data on these and other configurations available upon request.

### 2PM4 G B 2 32 12LD

Report LTL 4838 - Lumens per lamp = 2900

S/MH (along) 1.2 (across) 1.8

#### Coefficient of Utilization

Ceiling Wall	80%			70%			50%			0%		
	70%	50%	30%	70%	50%	30%	50%	30%	10%	0%	0%	
0	82	82	82	80	80	80	77	77	77	69		
1	77	75	72	75	73	71	70	69	67	62		
2	72	67	64	70	66	63	64	61	59	55		
3	67	61	56	65	60	55	58	54	51	48		
4	61	54	49	60	54	49	52	48	45	42		
5	56	49	43	55	48	43	47	42	39	36		
6	52	44	38	51	43	38	42	37	34	32		
7	48	39	33	47	38	33	37	33	29	27		
8	44	35	29	43	34	29	33	28	25	23		
9	40	31	25	39	30	25	30	25	21	20		
10	37	28	22	36	27	22	27	22	19	17		

#### Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixture
0-30	1194	20.6	29.8
0-40	2045	35.3	51.0
0-60	3804	65.6	94.9
0-90	4010	69.1	100.0
90-180	0	0	0
0-180	4010	69.1	100.0

# PM4 2'x4' 4" Louver Family, Paramax, 2 Lamps

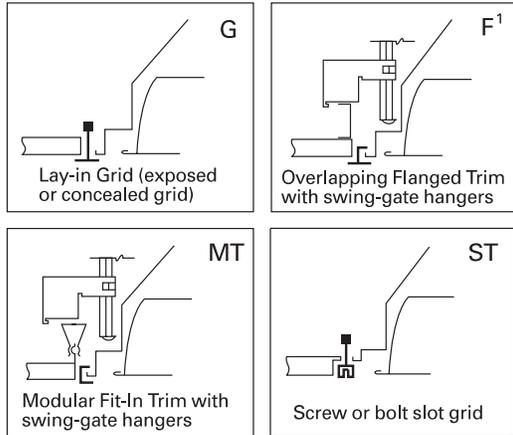
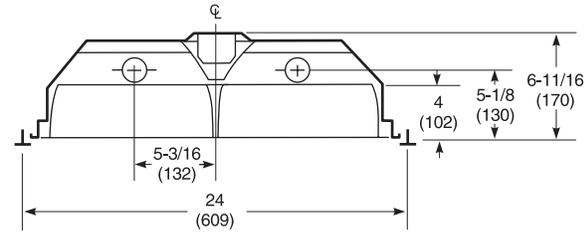
## MOUNTING DATA

Continuous row mounting of flanged units requires CRE and CRM trim options (see Options).

Ceiling Type	Appropriate Trim Type
Exposed grid tee	G
Concealed grid tee	G, ST
Concealed Z-spline	F, MT
Metal pan (consult factory)	MT
Screw slot (consult factory)	ST
Acoustical tile, plaster, or plasterboard on rigid support parallel to lamps	F

## DIMENSIONS

Inches (millimeters). Subject to change without notice.



### NOTES:

1 Recommended rough-in dimensions for F trim fixtures 24" x 48" (Tolerance is +1/4", -0"). Swing-gate range 1" to 4-13/16", span 23-1/2" to 26-5/16".

## ORDERING INFORMATION

Example: 2PM4 G B 2 32 12LD 120 GEB

2PM4	Air function	2	Lamp type	Voltage	Options
<b>Series</b> <b>2PM4</b> Paramax 4" deep cell parabolic, 2' wide	<b>A</b> Air supply/return (slots in side trim) <b>H</b> Heat removal (through lamp cavity, dampers available)	<b>Number of lamps</b> 2 Not included.	<b>32</b> 32W T8 (48") <b>40</b> 40W T12 (48")	<b>120, 277, 347, MVOLT<sup>2</sup></b> Others available.	<b>2/1</b> Two one-lamp ballasts <b>GEB</b> Electronic ballasts, ≤20% THD <b>GEB10IS</b> Electronic ballast ≤10% THD, Instant Start <b>GEB10RS</b> Electronic ballast ≤10% THD, Rapid Start <b>EL</b> Emergency battery pack (nominal 300 lumens; see Life Safety Section) <b>GLR</b> Internal fast-blow fuse <b>GMF</b> Internal slow-blow fuse <b>LST</b> Tandem fixture pairs (shared ballasts) <b>PWS1836</b> 6' prewire, 3/8" dia., 18-gauge, 3 wires <b>LP__</b> Lamped, specify lamp type and color <b>HRD</b> Heat-removal dampers <b>APB</b> Air-pattern control blades (A and D models only) <b>ACS</b> Air closure strips (A and D models only) <b>CRE</b> Flanged trim for continuous row mounting (end) <b>CRM</b> Flanged trim for continuous row mounting (middle) <b>PAF</b> Painted after fabrication (white enamel) <b>CSA</b> Listed and labeled to comply with Canadian Standards <b>NOM</b> Listed and labeled to comply with Mexican Standards <b>JP8</b> Palletized and stretch-wrapped (8 per), G and MT trim only
<b>Trim type</b> <b>G</b> Grid <b>F</b> Overlapping flange <b>MT</b> Modular fit-in <b>ST</b> Screw slot	<b>D</b> Combination A & H <b>B</b> Static (no air function, matching appearance)	<b>Number of cells<sup>1</sup></b> 12, 16, 18, 24, 32	<b>Louvers finish</b> <b>LD</b> Low iridescent anodized diffuse silver <b>LS</b> Low iridescent anodized specular silver <b>C</b> Diffuse gold anodized (champagne) <b>G</b> Specular gold anodized		

### NOTES:

1 Where applicable, number of rows divisible by the number of lamps unless specified otherwise.

2 MVOLT available with GEB10IS only.

## PM4 2x4 2LP

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PM42x42L.p65



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