

FEATURES & SPECIFICATIONS

INTENDED USE — Light controlling parabolic luminaires designed to control screen glare in VDT open office environments, while efficiently delivering the appropriate illumination level for paper-based tasks.

CONSTRUCTION — Models available to meet IES RP-1 preferred luminance criteria for office lighting. Choice of diffuse or specular louvers utilize the latest developments in louver finishing for minimized louver iridescence. Ideal for use with triphosphor lamps.

Matches appearance of 2-lamp, 27-cell Optimax.

Black reveal provides floating louver appearance, conceals optional air-supply slots. Air flow control provided with optional heat removal dampers and air-pattern control blades.

Overlapping flange and modular ceiling trims factory installed with standard swing-gate hangers or field convertible with optional trim and hanger kits.

T-hinges die-formed for maximum strength. Latches spring-loaded, concealed in the reveal.

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.

ELECTRICAL — Thermally-protected, resetting, Class P, HPF, non-PCB, UL Listed, CSA certified ballast is standard. Energy saving and electronic ballasts are sound rated A.

Luminaire is suitable for damp locations. AWM, TFN or THHN wire used throughout, rated for required temperatures.

LISTINGS — UL Listed and CSA certified (see Options). NOM certified for Mexico (see Options).

WARRANTY — 1-year limited warranty. Complete warranty terms located at www.acuitybrands.com/CustomResources/Terms_and_conditions.aspx

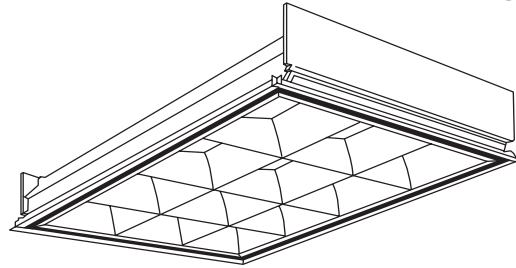
Note: Specifications subject to change without notice.

Catalog Number
Notes
Type

Optimax® Parabolic Light Control System

PMO 2'X2'

2 Lamps



Specifications

Length: 24 (61.0)

Width: 24 (61.0)

Depth: 6 (15.2)

Weight: 26 lbs (12 kg)

All dimensions are inches (centimeters) unless otherwise indicated.

ORDERING INFORMATION

For shortest lead times, configure product using **standard options (shown in bold)**.

Example: 2PMO G B 2 U31 12LS MVOLT GEB10IS

2PMO				2							
Series	Trim type	Air function		Number of lamps	Lamp type		Number of cells		Finish		Voltage
2PMO Optimax Light Control System, 2' wide	G Grid F Overlapping flanged ST Screw slot	A Air supply/ return (slots in side trim) D Combination A & H B Static (no air function, matching appearance)		2 Not included.	17 17W T8 (24") U31 31W T8 U lamp (24") CF40 40W RS CF (24")	12 3 rows of 4 8 2 rows of 4		LD Low iridescent anodized diffuse silver LS Low iridescent specular silver		120 277 347 MVOLT¹ Others available.	
Options											
GEB10IS	Electronic ballast, ≤ 10% THD, instant start			LP835	Lamped; 800-series, 3500K						
GEB10RS	Electronic ballast, ≤ 10% THD, rapid start			APB	Air-pattern control blades (A and D models only)						
EL	Emergency battery pack (nominal 300 lumens)			PAF	Painted after fabrication (white enamel)						
GLR	Internal fast-blow fuse ²			CSA	Listed and labeled to comply with Canadian Standards						
GMF	Internal slow-blow fuse ²			NOM	Listed and labeled to comply with Mexican Standards						
PWS1836	6' prewire, 3/8" dia., 18-gauge, 1 circuit			JP	Palletized and stretch-wrapped, G trim only						
LP__	Lamped, specify lamp type and color										

Notes

1 MVOLT standard for 120V and 277V applications. Some options require voltage specified.

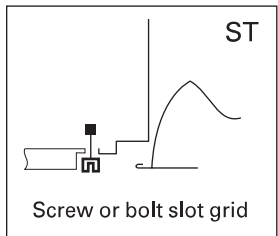
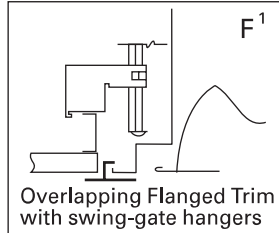
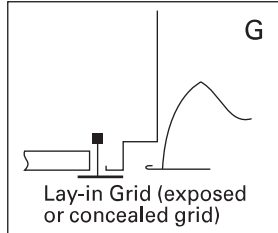
2 Must specify voltage.-

PMO 2'x2' 2 Lamps, Optimax

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
Screw slot (consult factory)	ST
Acoustical tile, plaster, or plasterboard on rigid support parallel to lamps	F

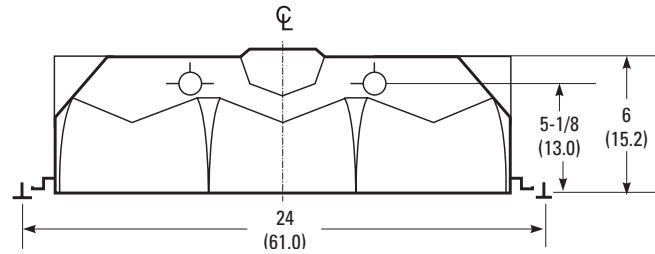


Notes

Recommended rough-in dimensions for F trim fixtures 24"x24" (Tolerance is +1/4", -0"). Swing-gate range 1-7/16" to 3-7/16", span 23-1/2" to 26-7/16".

DIMENSIONS

All dimensions are inches (centimeters) unless otherwise indicated. Specifications are subject to change without notice.



Energy (Calculated in accordance with NEMA Standards LE-5)					
LER.FL	Annual energy cost*	Lamp description	Lamp lumens	Ballast factor	Input watts
39 (LS) louver	\$6.15	(2) 17W T8	1325	.88	34
41 (LS) louver	\$5.85	(2) 32W T8U	2800	.88	61

*Comparative yearly lighting energy cost per 1000 lumens

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.

2PMO G B 2 17 12LS

Report LTL 5724

Lumens per lamp = 1325 - Lum. eff. 56.9%

S/MH (along) 1.2 (across) 1.8

Coefficient of Utilization

Ceiling	80%			70%			50%		
Wall	70%	50%	30%	70%	50%	30%	70%	50%	30%
1	64	62	60	62	61	59	58	57	56
2	60	56	53	58	55	53	53	51	49
3	56	51	47	54	50	47	49	46	43
4	52	46	42	50	46	42	44	41	38
5	48	42	38	47	41	37	40	37	34
6	45	38	34	44	38	34	37	33	31
7	42	35	31	41	35	30	34	30	27
8	39	32	28	38	32	28	31	27	25
9	36	30	25	36	29	25	29	25	22
10	34	27	23	33	27	23	26	23	20

Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixture
0-30	569	21.5	37.7
0-40	985	37.2	65.3
0-60	1506	56.8	99.9
0-90	1508	56.9	100.0
90-180	0	0	0
0-180	1508	56.9	100.0

Luminance Summary - cd/m²

Angle	Along	45	Across
45	1529	2986	3748
55	133	952	84
65	0	0	0
75	0	0	0
85	0	159	0

2PMO G 2 U31 12LS

Report LTL 5728

Lumens per lamp = 2800 - Lum. eff. 51.2%

S/MH (along) 1.2 (across) 1.6

Coefficient of Utilization

Ceiling	80%			70%			50%		
Wall	70%	50%	30%	70%	50%	30%	70%	50%	30%
1	57	56	54	56	55	53	52	51	50
2	54	51	48	52	50	47	48	46	44
3	50	46	43	49	45	42	44	41	39
4	47	42	38	45	41	38	40	37	35
5	43	38	34	42	37	34	36	33	31
6	40	35	31	39	34	31	33	30	28
7	38	32	28	37	31	28	31	27	25
8	35	29	25	34	29	25	28	25	23
9	33	27	23	32	27	23	26	23	20
10	31	25	21	30	25	21	24	21	19

Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixture
0-30	1119	20.0	39.0
0-40	1876	33.5	65.5
0-60	2863	51.1	99.9
0-90	2866	51.2	100.0
90-180	0	0	0
0-180	2866	51.2	100.0

Luminance Summary - cd/m²

Angle	Along	45	Across
45	3210	5409	6851
55	301	1825	247
65	0	0	0
75	0	0	0
85	0	0	0



PMO-2x2 2LP