FEATURES

- Full family of light controlling parabolic luminaires designed to control screen glare in VDT open office environments.
- Efficiently delivers appropriate illumination level for paper-based tasks.
- Models available to meet IES RP-1 preferred luminance criteria for office lighting systems in VDT applications.
- PMO series fixture enclosed in clean, contemporary steel housing, mitered construction. Full top cover optional.
- Choice of diffuse or specular louvers utilize the latest developments in louver finishing for minimized louver iridescence. Ideal for use with triphosphor lamps.
- Black reveal provides floating louver appearance.
- 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 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.

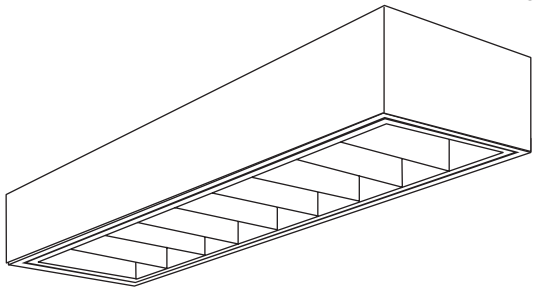
LISTING — UL listed and labeled. Listed and labeled to comply with Canadian and Mexican Standards (see Options).

Specifications subject to change without notice.

Optimax® Parabolic Light Control System

PMOX 1'x4'

Surface Mount
1 or 2 Lamps



ORDERING INFORMATION

Example: **PMOX 1 32 9LD 120 GEB**

PMOX

Series
PMOX Optimax light-control surface-mount system, 1" wide

Number of lamps
1, 2
Not included.

Lamp type
32 31W T8 (48")
40 40W (48")

Number of cells
9

Louver finish
LD Low iridescent diffuse silver
LS Low iridescent specular silver

Voltage
120, 277, 347
Others available.

Options
GEB Electronic ballasts, ≤20% THD
GEB10 Electronic ballast, ≤10% THD
EL Emergency battery pack (nominal 300 lumens; see Life Safety Section)
GLR Internal fast-blow fuse
GMF Internal slow-blow fuse
LP__ Lamped, specify lamp type and color
PAF Painted after fabrication (white enamel)
FTC Full top cover
CRE Continuous row, end (KO in shroud end)
CRM Continuous row, middle (KOs in both ends)
CSA Listed and labeled to comply with Canadian Standards
NOM Listed and labeled to comply with Mexican Standards

PMOX 1'x4' Surface Mount Optimax

MOUNTING DATA

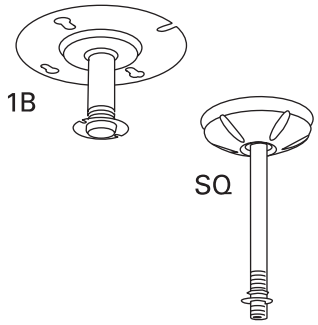
Surface or suspended mounting. Unit installation assumed.

UNIT INSTALLATION — Four hanging devices required on fixtures with offset wireway or side-mounted ballast.

For continuous row mounting, add suffix as follows:

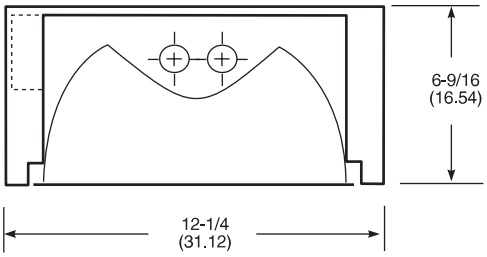
CRE – for end-of-row units (wireway access hole in one end plate).

CRM – for middle-of-row units (wireway access hole in both end plates).



DIMENSIONS

Inches (centimeters). Subject to change without notice.



PHOTOMETRICS

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

PMO G B 1 32 9LS

Report LTL 5227 – Lumens per lamp = 2900

S/MH (along) 1.2 (across) 1.3

Coefficient of Utilization

Ceiling	80%			70%			50%		
Wall	70%	50%	30%	70%	50%	30%	50%	30%	10%
0	79	79	79	77	77	77	73	73	73
1	75	73	71	73	71	70	69	67	66
2	71	67	64	69	66	63	64	62	60
3	67	62	58	65	61	58	59	56	54
4	62	57	53	61	56	52	55	51	49
5	58	52	48	57	52	47	50	47	44
6	55	48	44	54	48	43	47	43	40
7	51	44	39	50	44	39	43	39	36
8	47	40	35	46	40	35	39	35	32
9	44	36	31	43	36	31	35	31	28
10	41	33	28	40	33	28	32	28	25

Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixture
0-30	866	29.8	45.1
0-40	1412	48.7	73.6
0-60	1917	66.1	100.0
0-90	1917	66.1	100.0
90-180	0	0	0
0-180	1917	66.1	100.0

Luminance Summary - cd/m²

Angle	Along	45	Across
45	2347	3532	2775
55	110	651	45
65	0	0	0
75	0	0	0
85	0	0	0

PMO G B 2 32 9LS

Report LTL 5221 – Lumens per lamp = 2900

S/MH (along) 1.2 (across) 1.2

Coefficient of Utilization

Ceiling	80%			70%			50%		
Wall	70%	50%	30%	70%	50%	30%	50%	30%	10%
0	74	74	74	73	73	73	69	69	69
1	70	69	67	69	67	66	65	63	62
2	67	63	61	65	62	60	60	58	56
3	63	58	55	61	57	54	56	53	51
4	59	53	50	58	53	49	51	48	46
5	55	49	45	54	48	45	47	44	41
6	52	45	41	51	45	41	44	40	37
7	48	41	37	47	41	37	40	36	34
8	44	37	33	44	37	33	36	33	30
9	41	34	29	40	34	29	33	29	26
10	38	31	26	37	31	26	30	26	23

Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixture
0-30	1636	28.2	45.2
0-40	2624	45.2	72.6
0-60	3614	62.3	99.9
0-90	3617	62.4	100.0
90-180	0	0	0
0-180	3617	62.4	100.0

Luminance Summary - cd/m²

Angle	Along	45	Across
45	4341	5996	6938
55	212	1943	168
65	17	27	27
75	0	0	0
85	0	0	0

FEATURES

- Full family of light controlling parabolic luminaires designed to control screen glare in VDT open office environments.
- Efficiently delivers appropriate illumination level for paper-based tasks.
- Models available to meet IES RP-24 preferred luminance criteria for office lighting systems in VDT applications.
- PMO series fixture enclosed in clean, contemporary steel housing, mitered construction. Full top cover optional.
- Choice of diffuse or specular louvers utilize the latest developments in louver finishing for minimized louver iridescence. Ideal for use with triphosphor lamps.
- Black reveal provides floating louver appearance.
- 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. CSA certified (see options). NOM labeled (see options).

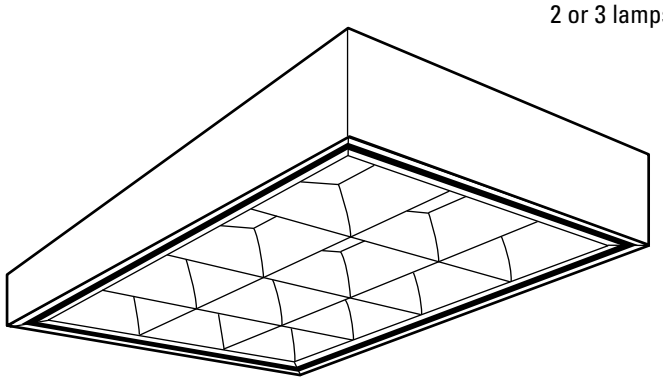
Specifications subject to change without notice.

Optimax® Parabolic Light Control System

PMOX 2'x2'

Surface Mount

2 or 3 lamps



ORDERING INFORMATION

Example: **2PMOX 2 17 12LD 120 GEB**

2PMOX

Series

2PMOX Optimax light control surface mount system, 2' wide

Number of lamps

2, 3

Not included

Lamp type

17 17W T8 (24")
20 20W TS T12 (24")
U31 31W T8U-lamp (24")
CF40 40W RS CFL (24")

Voltage

120, 277, 347

Others available

Number of cells

12 3 rows of 4

Louver finish

LD Low iridescent diffuse silver
LS Low iridescent specular silver

Options

GEB Electronic ballasts, ≤20% THD.
GEB10 Electronic ballast, ≤10% THD.
EL Emergency battery pack (nominal 300 lumens. See Life Safety Section).
GLR Internal fast-blow fuse.
GMF Internal slow-blow fuse.
LP__ Lamped, specify lamp type and color.
PAF Painted after fabrication (white enamel).
FTC Full top cover.
CRE Continuous row, end. (KO in shroud end.)
CRM Continuous row, middle. (KOs in both ends.)
CSA CSA-labeled for U.S. shipment to Canada.
NOM NOM-labeled for shipment to Mexico.

PMOX 2'x2' Surface Mount Optimax

MOUNTING DATA

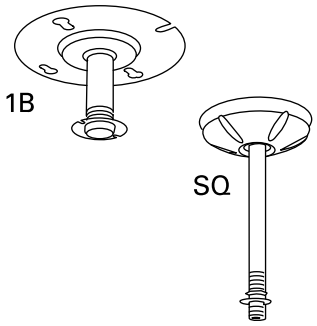
Surface or suspended mounting. Unit installation assumed.

UNIT INSTALLATION — Two hanging devices per fixture required on center ballast cover fixtures. Four required on fixtures with offset wireway.

For continuous row mounting, add suffix as follows:

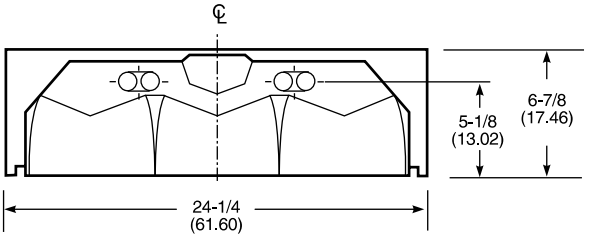
CRE – for end-of-row units (wireway access hole in one end plate).

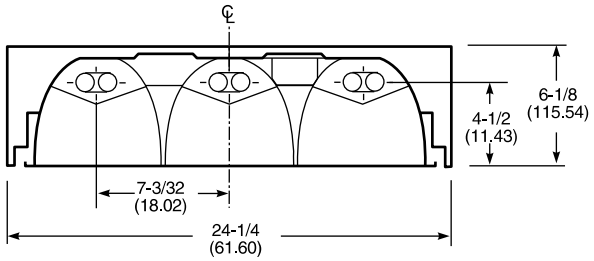
CRM – for middle-of-row units (wireway access hole in both end plates).



DIMENSIONS

Inches (centimeters). Subject to change without notice.





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 2 CF40 12LS

Report LTL 5734

S/MH (along) 1.3 (across) 2.1

Coefficient of Utilization

Ceiling	80%			70%			50%		
Wall	70%	50%	30%	70%	50%	30%	50%	30%	10%
1	62	60	58	60	59	57	56	55	54
2	58	55	52	57	54	52	52	50	49
3	54	50	47	53	49	46	48	45	43
4	51	46	42	50	45	42	44	41	39
5	47	41	38	46	41	37	40	37	34
10	31	24	20	31	24	20	24	20	17

Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixture
0-30	1215	19.3	35.2
0-40	2141	34.0	62.0
0-60	3452	54.8	100.0
0-90	3454	54.8	100.0
90-180	0	0	0
0-180	3454	54.8	100.0

Luminance Summary - Footlamberts

Angle	Along	22.5	45	67.5	Across
45	975	1311	2153	2732	2907
55	125	364	780	358	84
65	0	5	5	5	7
75	0	0	0	0	0
85	0	0	0	0	0

2PMO G B 3 U31 12LS

Report LSI 7565

S/MH (along) 1.2 (across) 1.5

Coefficient of Utilization

Ceiling	80%			70%			50%		
Wall	70%	50%	30%	70%	50%	30%	50%	30%	10%
1	68	66	65	67	65	64	63	61	60
2	64	61	59	63	60	58	58	56	54
3	60	56	53	59	55	52	54	51	49
4	57	52	48	56	51	48	50	47	44
5	53	47	43	52	47	43	46	42	40
10	37	30	26	36	30	26	29	25	23

Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixture
0-30	2300	27.4	45.3
0-40	3708	44.2	73.0
0-60	5066	60.3	99.8
0-90	5074	60.4	100.0
90-180	0	0	0
0-180	5074	60.4	100.0

Luminance Summary - Footlamberts

Angle	Along	22.5	45	67.5	Across
45	1996	2208	2108	1699	1455
55	406	578	487	79	28
65	7	18	2	22	2
75	0	36	0	0	4
85	0	0	0	0	11

FEATURES

- Full family of light controlling parabolic luminaires designed to control screen glare in VDT open office environments.
- Efficiently delivers appropriate illumination level for paper-based tasks.
- Models available to meet IES RP-24 preferred luminance criteria for office lighting systems in VDT applications.
- PMO series fixture enclosed in clean, contemporary steel housing, mitered construction. Full top cover optional.
- Choice of diffuse or specular louvers utilize the latest developments in louver finishing for minimized louver iridescence. Ideal for use with triphosphor lamps.
- Black reveal provides floating louver appearance.
- 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. CSA certified (see options). NOM labeled (see options).

Specifications subject to change without notice.

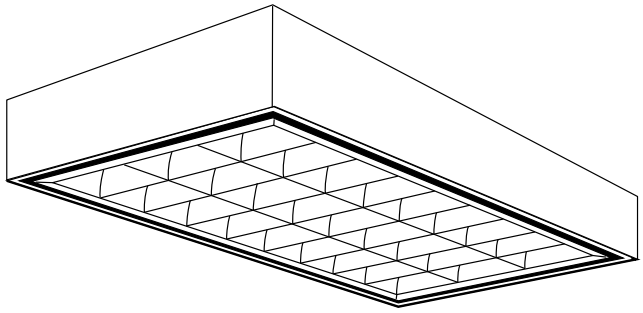
Optimax® Parabolic Light Control System

PMOX 2'x4'

Surface Mount

2 or 3 lamps

27 cell



ORDERING INFORMATION

Example: **2PMOX 3 32 27LD 120 GEB**

2PMOX

Series

2PMOX Optimax light control surface mount system, 2' wide

Number of lamps

2, 3

Not included

Lamp type

32 32W T8 (48")

40 40W T12 (48")

Number of cells

27 3 rows of 9

18 3 rows of 6 (2-lamp only)

Louver finish

LD Low iridescent diffuse silver

LS Low iridescent specular silver

Voltage

120, 277, 347

Others available

Options

GEB Electronic ballasts, ≤20% THD.

GEB10 Electronic ballast, ≤10% THD.

EL Emergency battery pack (nominal 300 lumens).

GLR Internal fast-blow fuse.

GMF Internal slow-blow fuse.

LP__ Lamped, specify lamp type and color.

PAF Painted after fabrication (white enamel).

FTC Full top cover.

CRE Continuous row, end. (KO in shroud end.)

CRM Continuous row, middle. (KOs in both ends.)

CSA CSA-labeled for US shipment to Canada.

NOM NOM-labeled for shipment to Mexico.

JP10 Palletized and stretch-wrapped (10 per), G and MT trim only.

PMOX 2'x4' Surface Mount Optimax

MOUNTING DATA

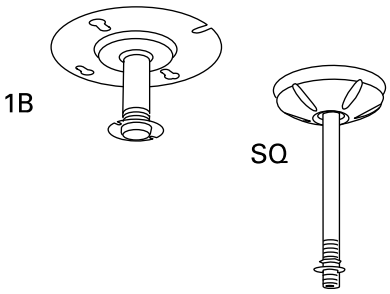
Surface or suspended mounting. Unit installation assumed.

UNIT INSTALLATION — Two hanging devices per fixture required on center ballast cover fixtures. Four required on fixtures with offset wireway.

For continuous row mounting, add suffix as follows:

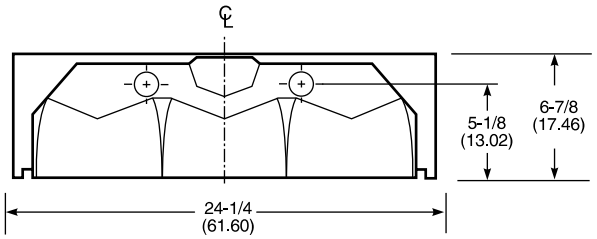
CRE – for end-of-row units (wireway access hole in one end plate).

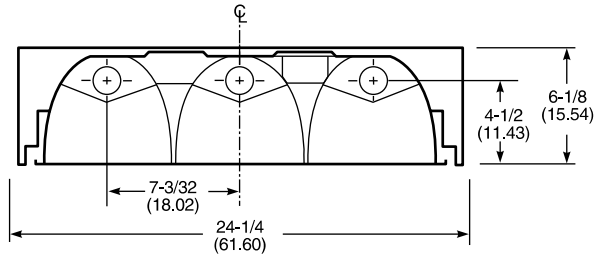
CRM – for middle-of-row units (wireway access hole in both end plates).



DIMENSIONS

Inches (centimeters). Subject to change without notice.





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 3 32 27S

Report LTL 3686

S/MH (along) 1.2 (across) 1.5

Coefficient of Utilization

Ceiling	80%			70%			50%		
Wall	70%	50%	30%	70%	50%	30%	50%	30%	10%
1	76	74	72	74	73	71	70	69	67
2	72	68	65	70	67	65	65	63	61
3	68	63	59	66	62	59	60	57	55
4	64	58	54	62	57	53	56	52	50
5	59	53	49	58	52	48	51	48	45
10	41	34	29	41	33	29	33	29	26

Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixture
0-30	2669	30.7	45.6
0-40	4546	52.3	77.6
0-60	5842	67.2	99.7
0-90	5858	67.3	100.0
90-180	0	0	0
0-180	5858	67.3	100.0

Luminance Summary - Footlamberts

Angle	Along	22.5	45	67.5	Across
45	527	604	876	959	969
55	35	110	226	67	21
65	0	4	2	4	0
75	0	0	0	0	0
85	0	0	1	0	0

2PMO G B 2 32 27LS

Report LTL 5742

S/MH (along) 1.2 (across) 1.4

Coefficient of Utilization

Ceiling	80%			70%			50%		
Wall	70%	50%	30%	70%	50%	30%	50%	30%	10%
1	68	67	65	67	65	64	63	62	60
2	65	61	59	63	60	58	58	56	55
3	61	56	53	59	55	52	54	51	49
4	57	52	48	56	51	47	50	47	44
5	56	47	43	52	47	43	46	42	40
10	37	29	25	36	29	25	28	25	22

Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixture
0-30	1498	25.8	42.6
0-40	2473	42.6	70.3
0-60	3512	60.6	99.9
0-90	3515	60.6	100.0

Luminance Summary - Footlamberts

Angle	Along	22.5	45	67.5	Across
45	501	604	876	959	969
55	35	110	226	67	21
65	0	4	2	4	0
75	0	0	0	0	0
85	0	0	1	0	0