SUPER MAX

RECESSED MOUNT LED

Fixture Type		Date	
Job Name		Approved By	
Catalog Number			

SPECIFICATIONS

Description
The Super Max Confinement Recessed Luminaire is ideally suited for behavioral institutions and correctional facilities. Available options provide suitability for minimum to maximum security locations. Suitable for both concrete pour and grid ceilings, the Super Max Confinement Recessed Series features a convertible door. In the event of product misordering, a flange kit can be purchased seperately to adjust grid to flange setup in the field. A ligature resistant design is standard for all variations of the Recessed Mount series.

Housing
One piece die formed housing, available in 16ga. Cold Rolled Steel.
All corners and seams continuously welded smooth.

Door Frame
One piece die formed housing, available in stainless or cold rolled steels.
All corners continuously welded smooth.

Gear Tray
Field replaceable integral unit containing LED circuit board, driver, reflector, and modular wiring. Optional dimmable driver available. Designed for quick replacement within the cell environment. LED smart board design provides auto-compensate feature to ensure fail safeoperation in the event of multiple LED chip failures. High efficacy, long-life mid-power board featuring Samsung 561B+ LED's mounted directly to integral heat sink for maximum thermal dissipation.

Hinge
Concealed welded piano-type hinge (1/4" knuckle/ 1/8" diameter pin) standard.

Lens
As specified up to .75" thickness. Clear lens combinations include high efficiency LED diffusion material.

Lens Retention
Vertically adjustable "Z" brackets secure lens to housing via internally welded stainless steel studs and heavy duty hardware.

Light Engine Warranty
Ten year warranty on LED boards against operational defects.
Driver covered by manufacturer's warranty.

Finish
Brushed stainless steel or electrostatically white polyester powder coating.
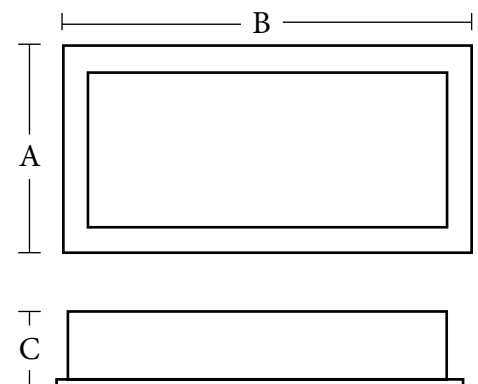
Listings
U.L., C.UL. Wet optional.

DIMENSIONAL DATA

NOMINAL DIMENSION

	A	B	C
RM12	12"	24"	2.88"
RM14	12"	48"	2.88"
RM22	24"	24"	2.88"
RM24	24"	48"	2.88"

CUT OUT DIMENSION

	A	B	C
RM12	11.19"	22.88"	2.88"
RM14	11.19"	47.00"	2.88"
RM22	23.19"	22.88"	2.88"
RM24	23.19"	47.00"	2.88"

Luminaire Led
www.luminaireled.net

5 Sutton Place
P.O. Box 2162
Edison, NJ 08818

P. 732.549.0056
F. 732.549.9737

Rev: 10/18+

SUPER MAX

ORDERING INFORMATION

SERIES	CEILING	HOUSING / DOOR	DRIVER	CCT	VOLTS	LENS	OPTIONS	CTX
		/				/		
								CTX
RM12 12"x24" - 25W	G	HOUSING	CC	2700K	120-277	Lamp Side	WET	
RM14 12"x48" - 50W	F	A -16ga CRS (Painted)	DIM	3000K		0 - No Lens	FLG	
RM22 24"x24" - 50W	Z		PRD	3500K		A - .125" DR Prismatic Acrylic	EMB310	
RM24 24"x48" - 50W	MP	DOOR		4000K		B - .125 Prismatic Polycarbonate	YM	
RM24 24"x48" - 100W		1 -16ga CRS (Painted)		5000K		C - .125" Clear Polycarbonate	LEDNL	
		2 -14ga CRS (Painted)				D - .156" Prismatic Polycarbonate	AMBNL	
		3 -16ga SS (Brushed)				D1 - .187" Prismatic Polycarbonate		
		4 -14ga SS (Brushed)				D2 - .187" Prismatic Glass		
						E - .250" Clear Polycarbonate		
						F - .250" Clear Tempered Glass		
						G - .375" Clear Polycarbonate		
						H - .375" Clear Tempered Glass		
						I - .500" Clear Polycarbonate		
						J - .500" Clear Tempered Glass		
						Environmental Side		
						0 - No Lens		
						1 - .125" Clear Polycarbonate		
						2 - .187" Clear Polycarbonate		
						3 - .187" Clear Tempered Glass		
						4 - .250" Clear Acrylic		
						5 - .250" Clear Polycarbonate		
						6 - .250" Clear Tempered Glass		
						7 - .375" Clear Polycarbonate		
						8 - .375" Clear Tempered Glass		
						9 - .500" Clear Polycarbonate		
						10 - .500" Clear Tempered Glass		
						Up to a 0.75" thick maximum combination of lenses		

G   = Grid
F   = Flange
Z   = Concealed Z - Spline
MP = Metal Pan

CC = Constant Current (Standard)
DIM = 0-10V Dimming, 10% at lowest level
PRD = Programmable driver. Specify Watts or
         Lumens in Ordering Information.

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OPTIONS

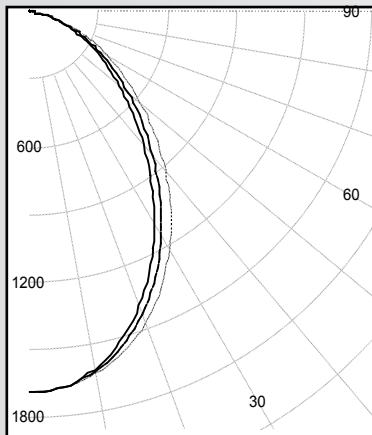|	
*PRD	Programmable driver. When ordering, must specify Watts or Lumens.
WET	Silicone and neoprene gasketing as required for U.L. wet location listing.
FLG	Flange kit for field conversion from grid mount to flange mount. (Consult factory for options)
EMB310	800 lumen, 90 minute emergency battery pack. 0°C (32°F) to 55°C (131°F). Available integral for the RM14, RM22, and RM24 only. Mounted in external sidecar on top of housing in RM12, adding 1.6" to overall fixture depth. Meets CA Title 20 Standards.
YM	Yoke mounting frame.
LEDNL	LED Night Light with field adjustable levels in 2700K, 3000K, 3500K, 4000K, or 5000K. Requires seperately controlled circuit. Consult factory for availability.
AMBNL	Amber LED Night Light with field adjustable levels with peak wavelength at 593 nm. Requires separately controlled circuit. Consult factory for availability.
CTX	TORX® head bit for Confinement Series.

PHOTOMETRIC DATA

Model	Watts	Input Watts		Delivered Lumens								
				2700K		3000K		3500K		4000K		5000K
RM12	25W	29.2		2486		2513		2565		2645		2724
RM14	50W	55.9		4461		4509		4604		4746		4888
RM22	50W	53.4		4363		4410		4502		4642		4781
RM24	50W	55.6		5605		5665		5784		5963		6141
RM24	100W	109.7		10481		10594		10816		11151		11485
RMxx	PRD			Programmable Driver. Must Wattage or Lumens in Ordering Information								

MODEL RM14-50W-4000K-A/4
Delivered Lumens: 4,746 Lumens

Total Power: 55.9W

Testing was performed in accordance with IES LM-79-08

Zone	Lumens	% Lamps
0 - 30	1401	29.5
0 - 40	2235	47.1
0 - 60	3823	80.6
60 - 90	922	19.5
0 - 90	4746	100.0
90 -180	0	0.0
0 - 180	4746	100.0

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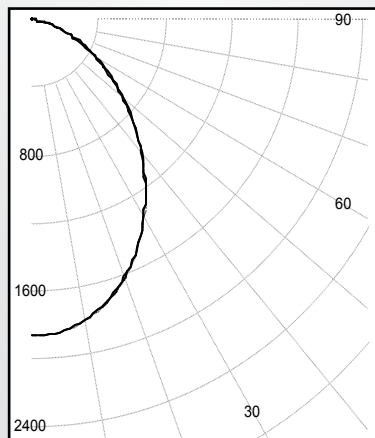
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PHOTOMETRIC DATA

MODEL RM22-50W-4000K-A/4
Delivered Lumens: 3,721 Lumens

Total Power: 53.4W

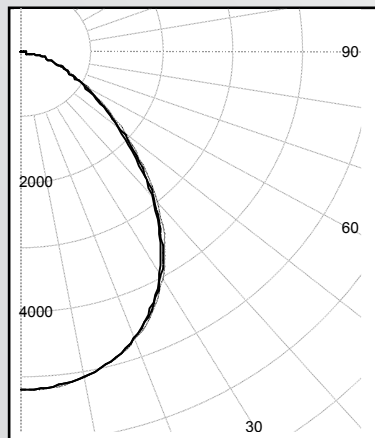*Testing was performed in accordance with IES LM-79-08*

Zone	Lumens	% Lamps
0 - 30	1345	36.2
0 - 40	2085	56.0
0 - 60	3251	87.4
60 - 90	470	12.6
0 - 90	3721	100.0
90 -180	0	0.0
0 - 180	3721	100.0

MODEL RM24-100W-4000K-A/4
Delivered Lumens: 10,387 Lumens

Total Power: 109.3W

Testing was performed in accordance with IES LM-79-08

Zone	Lumens	% Lamps
0 - 30	3890	37.5
0 - 40	6059	58.3
0 - 60	9149	88.1
60 - 90	1238	11.9
0 - 90	10387	100.0
90 -180	0	0.0
0 - 180	10387	100.0

MOUNTING DETAILS

RM14

46.62

18.00   18.00

ø 0.875
Mounting Hole (6) PLCS

RM22

22.50

ø 0.875
Mounting Hole (4) PLCS

8.00   8.00

RM24

48.12

18.00   18.00

ø 0.875
Mounting Hole (6) PLCS