

MEW

RECESSED LED
LUMINAIRE FOR
MRI AND IMAGING SUITES



The **MEW** is an MRI and Imaging Suite ready LED fixture. Constructed with all non-ferrous metals (requires remote mounted driver(s)). Best used in medical facilities such as MRI rooms, Surgical Suites, Laboratories, Behavioral Health Facilities, Patient rooms, etc.

CONSTRUCTION: Constructed of marine-grade aluminum and all non-ferrous metals.

ELECTRICAL SYSTEM: Remote mounted LED driver must be used (ordered by separate part number). A RF/EMI filter panel with integrated filters is available.

OPTICAL SYSTEM: Extruded high-efficiency frosted DR acrylic inner diffuser. Impact-resistant clear polycarbonate outer lens.

MOUNTING: Recessed grid and recessed flanged applications. Easy installation with adjustable 90° swing arm system standard. Universal mounting allows for both recessed flanged and recessed grid mounting.

LISTINGS: ETL and cETL listed. NSF compliant design. Wet location optional.

LED: 80 CRI or 90 CRI LEDs available in 2700K, 3000K, 3500K, 4000K and 5000K. Life is >100,000 hours at 70% lumen maintenance.

WARRANTY: 5-Year Limited Warranty. Complete warranty and terms located at www.aelnow.com/warranty.

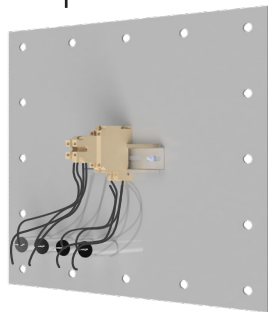
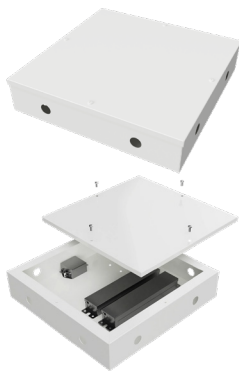
Ordering Information on Next Page ►



ORDERING INFORMATION

Example: MEW-22-40-12L-PA125-M-90

SERIES	SIZE	CCT	ILLUMINATION LEVEL	MOUNTING	LENS	VOLTAGE
MEW	14 1x4	27 2700K	4L 4000 Lumens (Standard Low)	G Grid	PA19 .156" Prismatic Acrylic #19	M Multi-Volt (120-277VAC)
	22 2x2	30 3000K	7L 7000 Lumens (Medium Low)	F Flange	PA125 .125" Prismatic Acrylic	HV 347-480VAC
	24 2x4	35 3500K	10L 10000 Lumens (High Low)		PA156 .156" Prismatic Acrylic	
		40 4000K	12L 12000 Lumens (Standard Medium)		PA187 .187" Prismatic Acrylic	
		50 5000K	13L 13000 Lumens (Medium Medium)		PP125 Prismatic Inner with .125 Clear Polycarbonate Outer Lens	
			15L 15000 Lumens (High Medium)		SY Symmetric Diffused DR Acrylic	
			16L 16000 Lumens (Standard High)		125P .125" Clear Polycarbonate	
			20L 20000 Lumens (Medium High)			
			25L 25000 Lumens (High High)			
			XX Custom Lumens			
HOUSING	DOOR MATERIAL	OPTIONS				
ALH .063" Aluminum (Painted)	ALH .063" Aluminum (Painted)	90 90 CRI	AM Anti-Microbial White Paint	WL Wet Location IP65		

NEW RF/EMI SOLUTION FOR MRI SUITES AND OUR REMOTE POWER BOX OPTIONS CAN BE FOUND ON PAGES 4-7

Dimensions on Next Page ►

ENERGY AND PERFORMANCE DATA

INPUT VOLTAGE:	120/277VAC
SYSTEM INPUT POWER:	25.0 - 156.3 WATTS*
DELIVERED LUMEN OUTPUT:	4000 - 25000 LUMENS
STANDARD DIMMING CONTROL:	0-10V
CCT:	2700, 3000, 3500, 4000, 5000 KELVIN
CRI:	82 (MINIMUM)
LIFE TIME RATING:	>100,000 HRS @ L70
INPUT FREQUENCY:	50/60 HZ
POWER FACTOR:	>0.9
OPERATING TEMP:	-30° TO 50° C

APPROXIMATE COLOR TEMPERATURE MULTIPLIER		
5000K	X	1.03
4000K	X	1
3500K	X	.97
3000K	X	.94
2700K	X	.91

PART#	DELIVERED LUMENS	WATTS	L70 @20C (HRS)
4L	4000 LUMENS	25.0	>100K
7L	7000 LUMENS	43.8	>100K
11L	11000 LUMENS	68.8	>100K
12L	12000 LUMENS	75.0	>100K
13L	13000 LUMENS	81.3	>100K
15L	15000 LUMENS	93.8	>100K
16L	16000 LUMENS	100.0	>100K
20L	20000 LUMENS	125.0	>100K
25L	25000 LUMENS	156.3	>100K

*ACTUAL WATTAGE MAY DIFFER BY ±5% WHILE OPERATING 120/277V ±10%

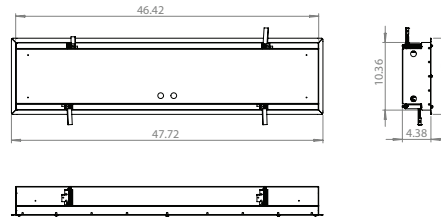


ROUGH IN SIZE LISTED BELOW.
Please pay careful attention to these dimensions.

DIMENSIONS

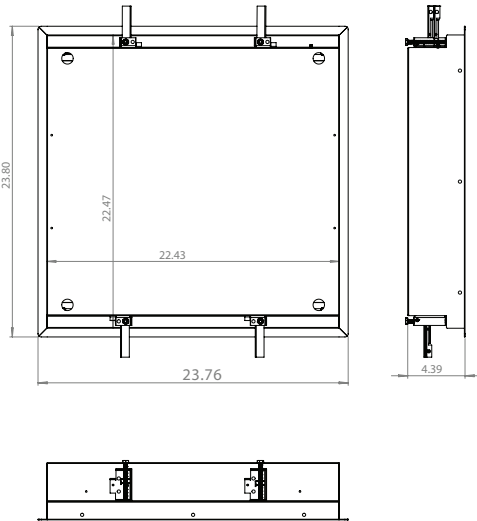
1x4

ROUGH IN SIZE TO BE 46 11/16" X 10 5/8"



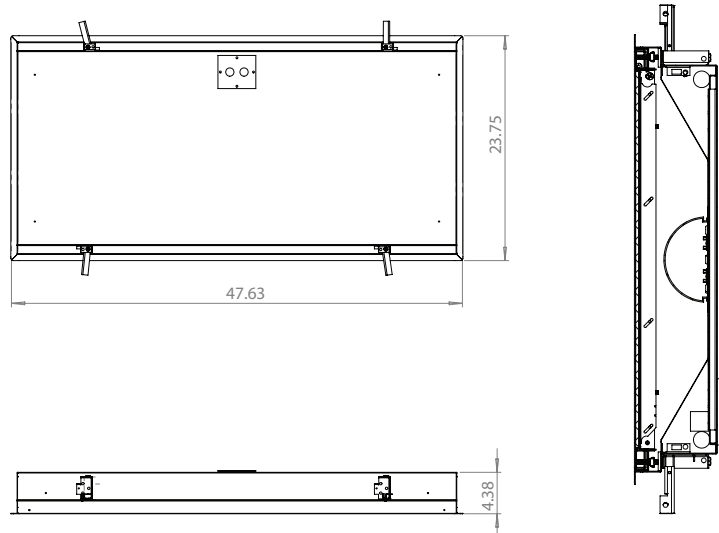
2x2

ROUGH IN SIZE TO BE 22 5/8" X 22 5/8"



2x4

ROUGH IN SIZE TO BE 46 5/8" X 22 11/16"

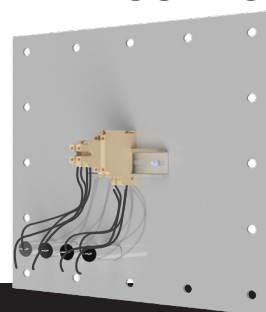


RPB

REMOTE POWER BOX



NEW RF/EMI SOLUTION FOR MRI SUITES



SEE THE FOLLOWING PAGES
FOR OUR NEW MRIFX
RF/EMI FILTER PANEL

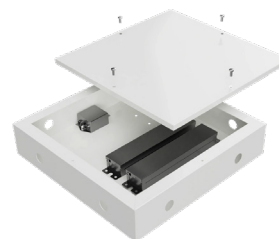
Electronic remote power supply provides power from outside the shielded MRI room, within the remote power supply enclosure.

MOUNTING INSTRUCTIONS

1. Mount the remote mounted power supply outside the MRI room.
2. Each driver will have an individual quick-connect for ease of wiring.
3. Ensure that all power/dimming wiring is completely shielded in grounded conduit. Use a minimum of 18 AWG low voltage supply wire.
4. Connect wiring to the driver and run to the installed fixtures. Connect hot and neutral wires to the light fixtures quick connects.
5. Installation is complete.

Ordering Information

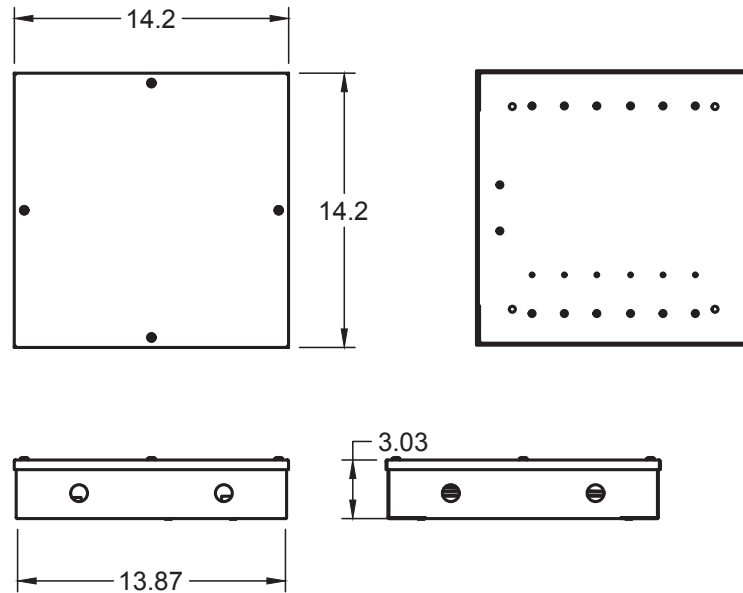
SERIES	HOUSING SIZE	# OF DRIVERS	OPTIONS
RPB	6 Fits up to 6 drivers 9 Fits up to 9 drivers	D1 1 LED 1% Dimming Drivers D2 2 LED 1% Dimming Drivers D3 3 LED 1% Dimming Drivers D4 4 LED 1% Dimming Drivers D5 5 LED 1% Dimming Drivers D6 6 LED 1% Dimming Drivers D7 7 LED 1% Dimming Drivers D8 8 LED 1% Dimming Drivers D9 9 LED 1% Dimming Drivers	AM Anti-Microbial White Paint



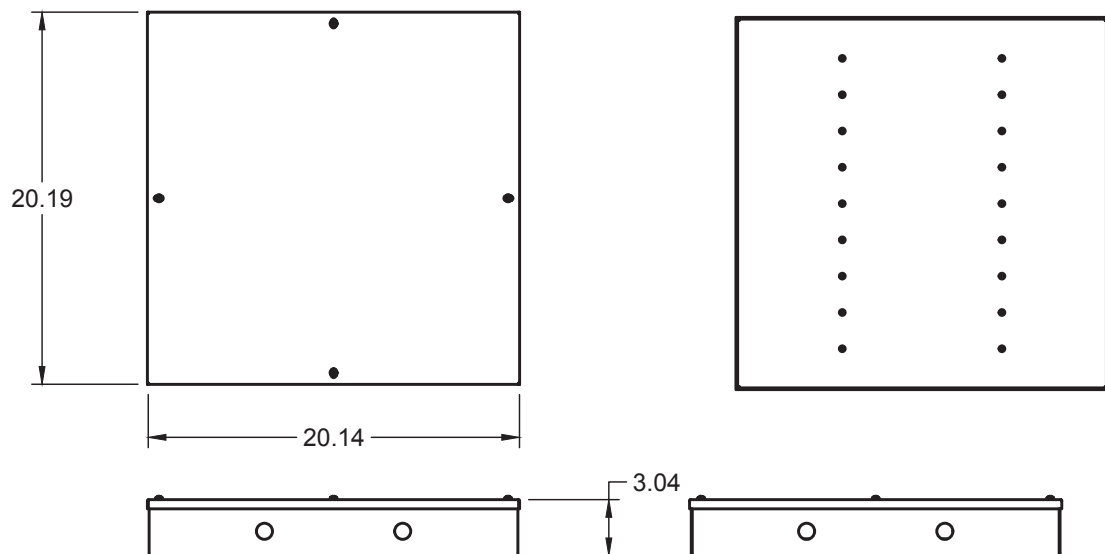
IMPORTANT: EACH FIXTURE REQUIRES IT'S OWN DRIVER

Dimensions on following page ►

RPB-6



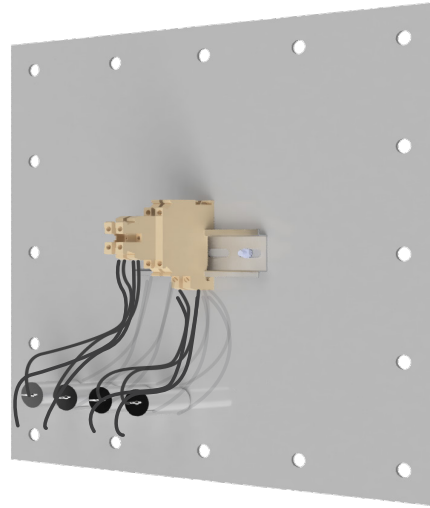
RPB-9



Sample wiring diagrams on following pages ►

MRI ROOM FILTER PANEL

MRIFX

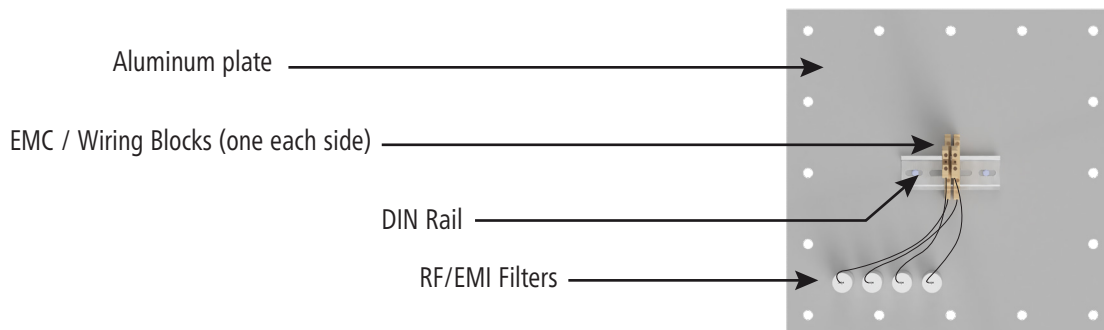


The **MRIFX** is our RF/EMI Power filter solution for MRI suites. With this panel installation of a completed MRI suite is completed in less time and is more organized. This filter panel can be configured with 2 to 32 filters (**each light fixture requires 2 filters**), and installation is easy and straight-forward. This panel is mounted to the wall between the power supplies (see our RPB, next page) and the non-ferrous light fixtures in the MRI suite. The RF/EMI Power Filters available with the MRIFX are some of the highest quality filters available, and are specifically designed to eliminate RF/EMI emissions.

FILTER PANEL: Made from non-ferrous, marine grade aluminum and coated with a premium powder coat, this plate is an integral component designed for many years of use. This plate can accommodate up to 32 RFI filters (for up to 16 light fixtures). A standard DIN rail keeps wiring EMC blocks secure and in place. Custom sized plates are available (consult with factory). The EMC Wiring Blocks (one of each side of panel) are designed to minimize Electromagnetic Interference (EMI) and maintain Electromagnetic Compatibility (EMC).

WIRING: Specially made shielded wiring is utilized to help insure RF/EMI transmissions are negligible.

WARRANTY: 5-Year Limited Warranty. Complete warranty and terms located at www.aelnow.com/warranty.



Ordering Information on Next Page ►

ORDERING INFORMATION Example: MRIFX-04

SERIES	FILTERS
MRIFX	02 Panel with 2 filters for 1 fixture
	04 Panel with 4 filters for 2 fixtures
	06 Panel with 6 filters for 3 fixtures
	08 Panel with 8 filters for 4 fixtures
	10 Panel with 10 filters for 5 fixtures
	12 Panel with 12 filters for 6 fixtures
	14 Panel with 14 filters for 7 fixtures
	16 Panel with 16 filters for 8 fixtures
	18 Panel with 18 filters for 9 fixtures
	20 Panel with 20 filters for 10 fixtures
	22 Panel with 22 filters for 11 fixtures
	24 Panel with 24 filters for 12 fixtures
	26 Panel with 26 filters for 13 fixtures
	28 Panel with 28 filters for 14 fixtures
	30 Panel with 30 filters for 15 fixtures
	32 Panel with 32 filters for 16 fixtures

STAND-ALONE FILTER ORDERING

SERIES	FILTERS
MRIFX	F2 Set of 2 filters for 1 fixture
	F4 Set of 4 filters for 2 fixtures
	F6 Set of 6 filters for 3 fixtures
	F8 Set of 8 filters for 4 fixtures
	F10 Set of 10 filters for 5 fixtures
	F12 Set of 12 filters for 6 fixtures
	F14 Set of 14 filters for 7 fixtures
	F16 Set of 16 filters for 8 fixtures
	F18 Set of 18 filters for 9 fixtures

DIMENSIONS

