

CLZMRI

RECESSED
LED CLEANROOM



The **CLZMRI** is an IP65, IC-rated luminaire which provides a cost-effective LED clean room lighting solution. Gasketed housing and door frame create a sealed enclosure. The CLZMRI is available in 2x2 and 2x4 sizes. Available options such as anti-microbial paint, 90 CRI, and 14W emergency driver. Suitable for ISO 5 Cleanrooms. This fixture was designed for healthcare facilities, cleanrooms, and any insulated ceilings. With it's non-ferrous, aluminum housing and doorframe, and the use of a remote mounted power supply, this fixture is perfect for MRI use.

DOORFRAME: Inset door frame constructed of .063" aluminum. White TGIC polyester powder coat standard, with optional anti-microbial white paint. Closed-cell gasket completely seals the doorframe and the housing.

ELECTRICAL SYSTEM: Electronic driver 0-10V 1% dimming standard. Long-life LED system rated for >100K hours (L70 @ 25°C). Complies with federal energy efficiency standards.

OPTICAL SYSTEM: A variety of lensing options are available to fit the needs of any application. If additional lensing options are needed, consult factory.

LISTINGS: Approved to CSA and ETL standards. Food Safe, NSF complaint design. IP65 rating. ISO 5 certified.

MOUNTING: Recessed grid mounting.

HOUSING: Available in .063" marine grade aluminum. Seam-welded construction. Closed cell gasket seals doorframe to housing. White TGIC polyester powder coat standard. Antimicrobial paint 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. LM79, LM80 and TM21 compliant.

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

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ORDERING INFORMATION:

Example: CLZMRI-24-7L-B20-S-M-90

SERIES	SIZE	CCT	ILLUMINATION LEVEL	HOUSING	INSET DOOR FRAME	INVERTED LENS	VOLTAGE
CLZ	14 1x4 22 2x2 24 2x4	27 2700K 30 3000K 35 3500K 40 4000K 50 5000K	2x4 2x2 1x4 5L 5000 Lumens 7L 7000 Lumens 9L 9000 Lumens 11L 11000 Lumens 13L 13000 Lumens XX Custom Lumens	ALH .063" Aluminum (Painted)	ALHINS .063" Aluminum Doorframe (Painted)	PA125 .125 Prismatic Acrylic S Satin Lens ASSY Asymmetric/Symmetric Optics <i>Other lens options available, consult factory.</i>	M Multi-Volt (120-277VAC)

DRIVER OPTIONS	CIRCUITS	OPTIONS
BLANK 0-10V Dimming Driver (included standard) CD5 0-10V 5% to Off Dimming Driver EDN Electronic Driver Non-Dimming LDE1 Lutron Hi-lume 1% EcoSystem LED driver with Soft-on, Fade-to-Black dimming technology	1 1 Circuit 2 2 Circuits	14EBL 14 Watt Emergency Ballast 90 90 CRI AM Anti-Microbial White Paint VDO Lutron Vive Integral Fixture Control (RF with Daylight and Occupancy Sensing) CPOL Clear .125 Polycarbonate Outer Lens

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:	31.2 - 81.3 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

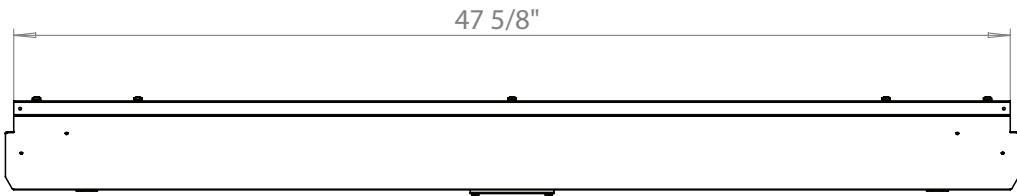
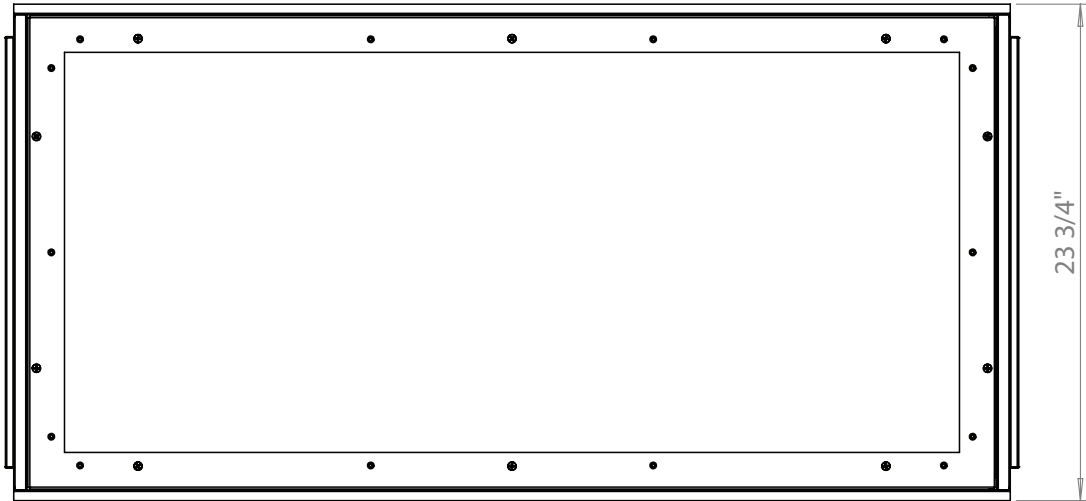
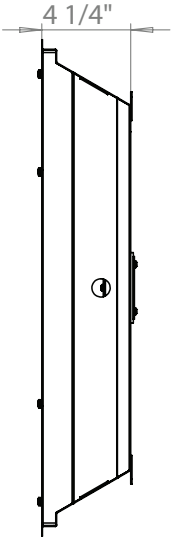
*ACTUAL WATTAGE MAY DIFFER BY ±5% WHILE OPERATING 120/277V ±10%

APPROXIMATE COLOR TEMPERATURE MULTIPLIER

5000K	X	1.03
4000K	X	1
3500K	X	.97
3000K	X	.94
2700K	X	.91

OUTPUT	DELIVERED LUMENS	WATTAGE	L70 @45C (HRS)
5L	5000	31.25	>100K
8L	8000	55.2	>100K
11L	11000	68.8	>100K
12L	12000	75.0	>100K
13L	13000	81.3	>100K

DIMENSIONS



RPB

REMOTE POWER BOX



NEW RF/EMI SOLUTION FOR MRI SUITES



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

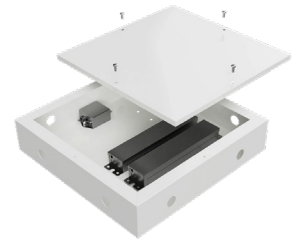
Electronic remote power supply provides power from outside the shielded MRI room, within the remote power supply enclosure.

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

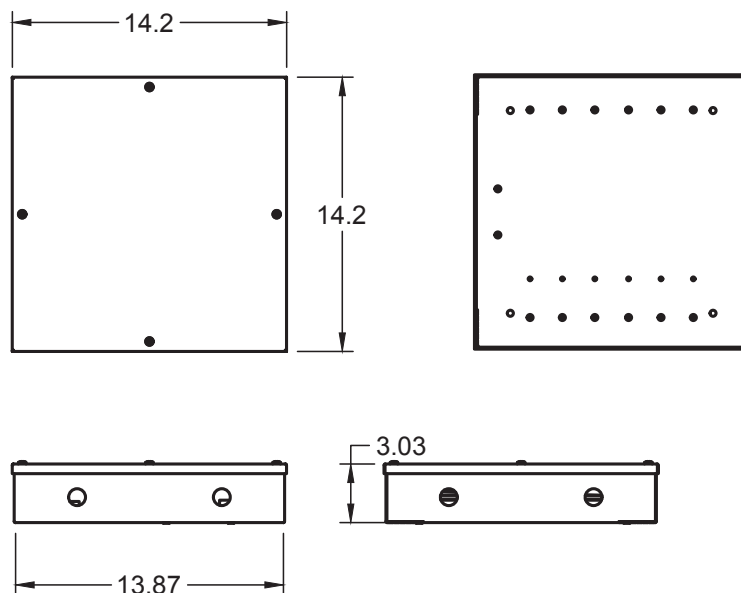
SERIES	HOUSING SIZE	# OF DRIVERS	OPTIONS
RPB	6 Fits up to 6 drivers 9 Fits up to 9 drivers	D1 1 LED 1% Dimming Drivers D2 2 LED 1% Dimming Drivers D3 3 LED 1% Dimming Drivers D4 4 LED 1% Dimming Drivers D5 5 LED 1% Dimming Drivers D6 6 LED 1% Dimming Drivers D7 7 LED 1% Dimming Drivers D8 8 LED 1% Dimming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



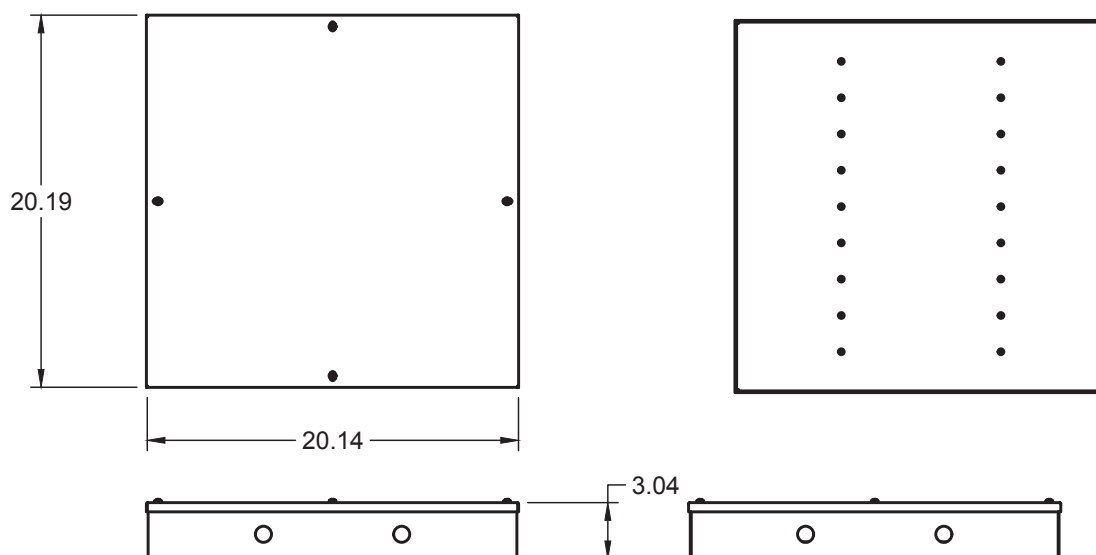
IMPORTANT: EACH FIXTURE REQUIRES IT'S OWN DRIVER

Dimensions on following page ►

RPB-6



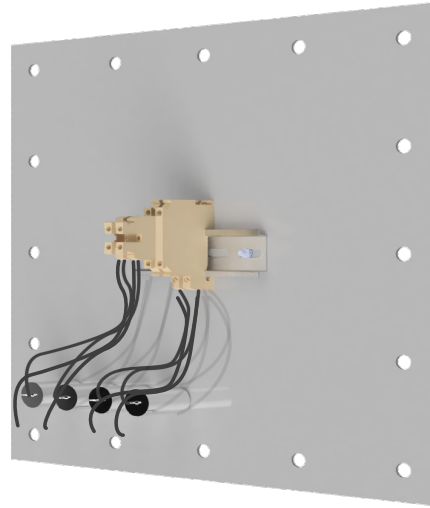
RPB-9



Sample wiring diagrams on following pages ►

MRI ROOM FILTER PANEL

MRIFX

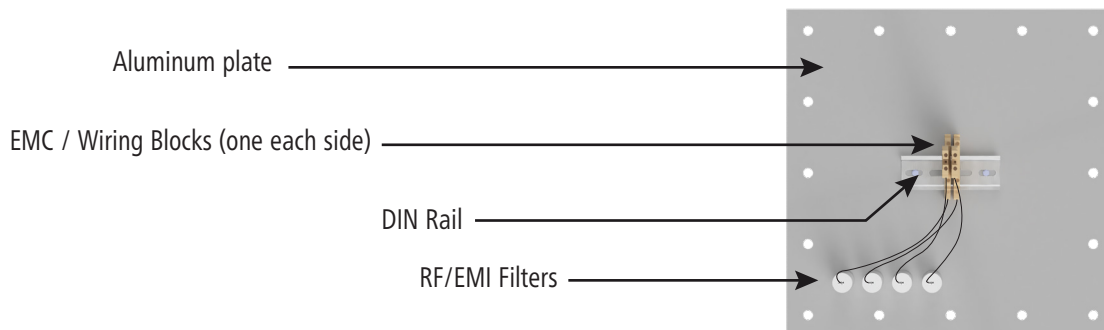


The **MRIFX** is our RF/EMI Power filter solution for MRI suites. With this panel installation of a completed MRI suite is completed in less time and is more organized. This filter panel can be configured with 2 to 32 filters (**each light fixture requires 2 filters**), and installation is easy and straight-forward. 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.



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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

