Fail-Safe

MRI-ASR

MRI Architectural Slot Recessed
2" and 4" Aperture
2', 4', and 8' Lengths
Remote Drivers/Filters

Typical Applications
MRI Suites

Interactive Menu

Product Certification

UL CERTIFIED · RoHS COMPLIANT · NSF · ISO SYSTEMS CERTIFIED

Product Features

damp location · BAA BUY AMERICAN ACT COMPLIANT OPTIONS

Top Product Features
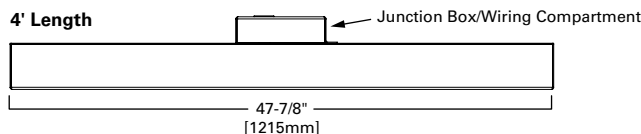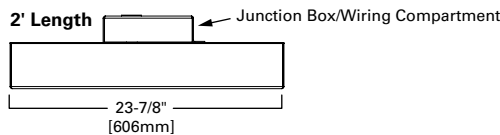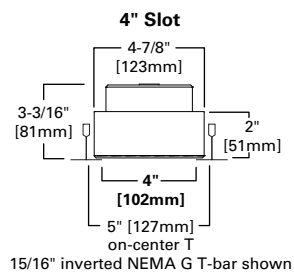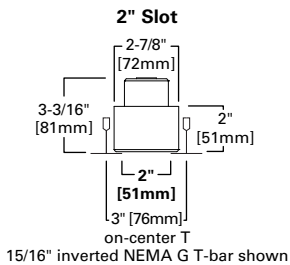
- Single-piece, fully luminous smooth frosted lens; ideal for easy wipe-down and cleaning
- Choose from a 2" slot or a 4" slot for a choice of aesthetics and lumen packages
- Non-ferrous construction to ensure trouble-free operation in the MRI suite
- Remote drivers and multi-channel MRI filters to ensure proper operation and output of the MRI equipment
- Options to meet Buy American Act requirements

Dimensional and Mounting Details

2" Slot

2-7/8" [72mm]
3-3/16" [81mm]
2" [51mm]
2" **[51mm]**
3" [76mm]
on-center T
15/16" inverted NEMA G T-bar shown

4" Slot

4-7/8" [123mm]
3-3/16" [81mm]
2" [51mm]
4" **[102mm]**
5" [127mm]
on-center T
15/16" inverted NEMA G T-bar shown

2' Length — Junction Box/Wiring Compartment
23-7/8" [606mm]

4' Length — Junction Box/Wiring Compartment
47-7/8" [1215mm]

8' Length — Junction Box/Wiring Compartment
95-7/8" [2435mm]
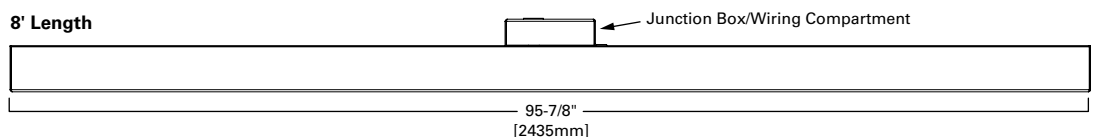
additional product diagrams

Example: Single MRI Suite

Components	Description	Catalog Number	Quantity
Luminaire	8' luminaire, 4" slot, 250 lumens/ft	MRI-4ASR-8-250-L835-OPL	6
Driver [1]	Driver for 2 qty. 8' luminaires, 250 lumens/ft	MRI-DRV-CD-UNV-4ASR8-250-2	3
Filter	3 or 4 Channel Electrical Filter	MRI-RF4	1
Driver Enclosure	Remote Driver Enclosure (up to 4 drivers)	MRI-RDE	1

Example bill of material, for one MRI suite:
- Luminaire (6)
- Drivers (3)
- Filter (1)
- Driver Enclosure (1)

Note: (1) Drivers ship separately – installed in the remote driver enclosure, in the field.

1. Luminaire

SAMPLE ORDER NUMBER: **MRI-2ASR-4-500-L930-OPL**

Domestic Preferences	Luminaire Type	Width/Aperture	Luminaire Series	Length	Lumens/ft.	CCT		Lens
Domestic Preferences [1]	**Luminaire Type**	**Width/Aperture**	**Luminaire Series**	**Length**	**Lumens/ft.**	**CCT**		**Lens**
[Blank]=Standard **BAA**=Buy American Act	**MRI**	**2**=2" **4**=4"	**ASR**=Architectural Slot Recessed	**2**=2ft **4**=4ft **8**=8ft	**250**=250 Lumens/foot **500**=500 Lumens/foot **750**=750 Lumens/foot [2] **1000**=1000 Lumens/foot [3]	**L835**=80CRI, 3500K **L840**=80CRI, 4000K **L850**=80CRI, 5000K	**L935**=90CRI, 3500K **L940**=90CRI, 4000K **L950**=90CRI, 5000K	**OPL**=0.125"thick Opal (Smooth)
Notes (1) Only product configurations with this designated prefix are built to be compliant with the Buy American Act of 1933 (BAA). Please refer to DOMESTIC PREFERENCES website for more information. Components shipped separately may be separately analyzed under domestic preference requirements.					**Notes** (2) 750 available in the 2" wide, 2ft & 4ft lengths only. Not available in 8ft. 750 not available in the 4" width. (3) 1000 available in the 4" wide, 2ft & 4ft lengths only. Not available in 8ft. 1000 not available in the 2" width.			

2. Driver

SAMPLE ORDER NUMBER: **MRI-DRV-CD-UNV-2ASR4-500-2**

Driver	Type	Voltage	Luminaire	Output	Driver
Driver	**Type**	**Voltage**	**Luminaire**	**Output**	**Driver**
MRI-DRV	**CD**=0-10V Dimming (10%) **5LTD**=Dali (10%)	**UNV**=Universal Voltage 120-277V **347**=347V	**2ASR2**=2" Slot, 2' Length **2ASR4**=2" Slot, 4' Length **2ASR8**=2" Slot, 8' Length **4ASR2**=4" Slot, 2' Length **4ASR4**=4" Slot, 4' Length **4ASR8**=4" Slot, 8' Length	**250**=250 Lumens/foot **500**=500 Lumens/foot **750**=750 Lumens/foot **1000**=1000 Lumens/foot	**1**=One driver powers 1 luminaire **2**=One driver powers 2 luminaire **3**=One driver powers 3 luminaire **4**=One driver powers 4 luminaire **5**=One driver powers 5 luminaire
				Notes Refer to the Maximum Luminaire Per Driver Table below for available options	**Notes** See below for maximum number of luminaire per driver at each output.

3. Filter

SAMPLE ORDER NUMBER: **MRI-RF2**

Filter
Filter
MRI-RF2=MRI Filter, 1 or 2 Channels [5] **MRI-RF4**=MRI Filter, 4 Channels [5]
Notes (5) 1 Channel required for each driver. If 3 or 4 drivers are required, specify the MRI-RF4 filter.

Accessory (ships separately)
Drywall framing kit not available for 2" aperture

Accessory [7]
DFMRI-0424W-U=Non-ferrous drywall framing kit. Cutout Dimensions 5.25" x 24.25" [8] **DFMRI-0448W-U**=Non-ferrous drywall framing kit. Cutout Dimensions 5.25" x 48.25" [8] **DFMRI-0496W-U**=Non-ferrous drywall framing kit. Cutout Dimensions 5.25" x 96.25" [8]
Notes (7) Accessories sold separately will be separately analyzed under domestic preference requirements. Consult factory for further information. **(8) Drywall framing kit not available for 2" aperture slot luminaire.**

4. Remote Driver Enclosure

SAMPLE ORDER NUMBER: **MRI-RDE**

Driver Enclosure
Driver Enclosure
MRI-RDE=MRI Remote Driver Enclosure [6]
Notes (6) Remote Driver Enclosure accommodates up to 4 drivers. 1-4 drivers, 1 enclosure. 5-8 drivers, 2 enclosures.

Maximum Luminaires Per Driver

	Luminaire	0-10V UNV	0-10V 347V	DALI
2" Aperture	MRI-2ASR-2-250-L840-OPL	9	9	8*
	MRI-2ASR-2-500-L840-OPL	4	4	4
	MRI-2ASR-2-750-L840-OPL	2	2	2
	MRI-2ASR-4-250-L840-OPL	4	4	4
	MRI-2ASR-4-500-L840-OPL	2	2	2
	MRI-2ASR-4-750-L840-OPL	1	1	1
	MRI-2ASR-8-250-L840-OPL	2	2	2
	MRI-2ASR-8-500-L840-OPL	1	1	1
	MRI-2ASR-8-750-L840-OPL	n/a	n/a	n/a
4" Aperture	MRI-4ASR-2-250-L840-OPL	11	11	10*
	MRI-4ASR-2-500-L840-OPL	5	5	5
	MRI-4ASR-2-1000-L840-OPL	2	2	2
	MRI-4ASR-4-250-L840-OPL	6	6	5
	MRI-4ASR-4-500-L840-OPL	3	3	2
	MRI-4ASR-4-1000-L840-OPL	1	1	1
	MRI-4ASR-8-250-L840-OPL	3	3	2
	MRI-4ASR-8-500-L840-OPL	1	1	1
	MRI-4ASR-8-1000-L840-OPL	n/a	n/a	n/a

Note: *Not available for single fixture, must have at least 2 fixtures.

COOPER Lighting Solutions

Product Specifications

Construction
- Fixture formed of sheet aluminum, antimicrobial matte white powdercoat finish
- Remote driver enclosure constructed of galvanized steel

Mounting
- Designed to mount in 9/16" and 15/16" T-grid ceilings
- Optional non-ferrous MRI drywall kit available for 4" aperture luminaire only

Electrical
- Drivers mounted outside of the MRI room to prevent electromagnetic interference
- MRI electrical filters for penetrating the MRI shielding
- Remote driver enclosure houses drivers in MRI equipment room

Lens and Gasketing
- Smooth Opal Polycarbonate lens provides a uniform light distribution
- Full illumination across entire aperture
- Lens held in place via mechanical means (see page 4 for illustration).
- Closed cell gasket seals between fixture and T-grid

Compliance
- UL listed for damp locations
- Non-Ferrous construction with remote drivers for MRI use

Limited Warranty
- Five year limited warranty

Photometric Data

View IES files
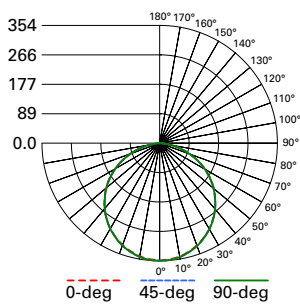
MRI-4ASR-4-250-L840-OPL

Electronic Driver

Linear LED 4000K

Spacing criterion: (II) 1.25 x mounting height, (⊥)1.25 x mounting height

Lumens: 1005

Input Watts: 16.1W

Efficacy: 62.4 LPW

Test Report: MRI-4ASR-4-250-L840-OPL.IES
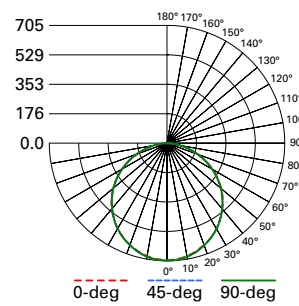
MRI-2ASR-8-250-L840-OPL

Electronic Driver

Linear LED 4000K

Spacing criterion: (II) 1.25 x mounting height, (⊥)1.25 x mounting height

Lumens: 2024

Input Watts: 40.1W

Efficacy: 50.5 LPW

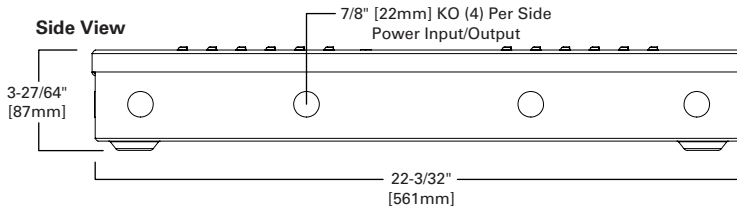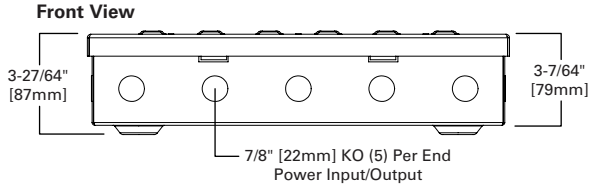Test Report: MRI-2ASR-8-250-L840-OPL.IES

Energy and Performance Data

	Luminaire	Length	Wattage	Lumens	LPW
2" Aperture	MRI-2ASR-2-250-L840-OPL	2'	8.0	506	63.5
	MRI-2ASR-2-500-L840-OPL	2'	17.4	1006	57.8
	MRI-2ASR-2-750-L840-OPL	2'	33.3	1441	43.3
	MRI-2ASR-4-250-L840-OPL	4'	17.3	1012	58.5
	MRI-2ASR-4-500-L840-OPL	4'	40.8	2035	49.9
	MRI-2ASR-4-750-L840-OPL	4'	71.2	3224	45.3
	MRI-2ASR-8-250-L840-OPL	8'	34.6	2024	58.5
	MRI-2ASR-8-500-L840-OPL	8'	81.6	4070	49.9
	MRI-2ASR-8-750-L840-OPL	8'	x	x	x
4" Aperture	MRI-4ASR-2-250-L840-OPL	2'	6.6	502	76.1
	MRI-4ASR-2-500-L840-OPL	2'	14.3	1044	73.0
	MRI-4ASR-2-1000-L840-OPL	2'	29.7	1997	67.2
	MRI-4ASR-4-250-L840-OPL	4'	12.7	1005	79.1
	MRI-4ASR-4-500-L840-OPL	4'	26.6	2006	75.4
	MRI-4ASR-4-1000-L840-OPL	4'	58.4	4018	68.8
	MRI-4ASR-8-250-L840-OPL	8'	25.4	2010	79.1
	MRI-4ASR-8-500-L840-OPL	8'	53.2	4012	75.4
	MRI-4ASR-8-1000-L840-OPL	8'	x	x	x

CCT Multipliers

L835	1
L840	1
L850	1.076
L935	0.845
L940	0.854
L950	0.907

COOPER Lighting Solutions

Remote Driver Enclosure (up to 4 drivers per enclosure)

Front View

3-27/64"
[87mm]

3-7/64"
[79mm]

7/8" [22mm] KO (5) Per End
Power Input/Output

Side View

7/8" [22mm] KO (4) Per Side
Power Input/Output

3-27/64"
[87mm]

22-3/32"
[561mm]

Mounting Detail

19-13/32"
[493mm]

22-3/32"
[561mm]

9/16" [14mm]
Mounting Hole 4X

10-29/32" [277mm]

12-1/4" [312mm]

Orient fixture as shown here

MRI-2ASR Lens Detail

Remove Backplate for LED Access
(LED Bar Attached to Backplate)

3"On Center T-Grid

Aluminum
Backplate

Aluminum
Door/Collar

Closed Cell
Gasket

.080"/.125" Opal Lens

Aluminum Lens
Holddown Rails

MRI-4ASR Lens Detail

Remove Backplate for LED Access
(LED Bars Attached to Backplate)

5"On Center T-Grid

Aluminum
Backplate

Aluminum
Door/Collar

Closed Cell
Gasket

Aluminum Lens
Holddown Rails

.080"/.125" Opal Lens

COOPER
Lighting Solutions