Project		Catalog #		Type	
Prepared by		Notes		Date	

Opal Lens

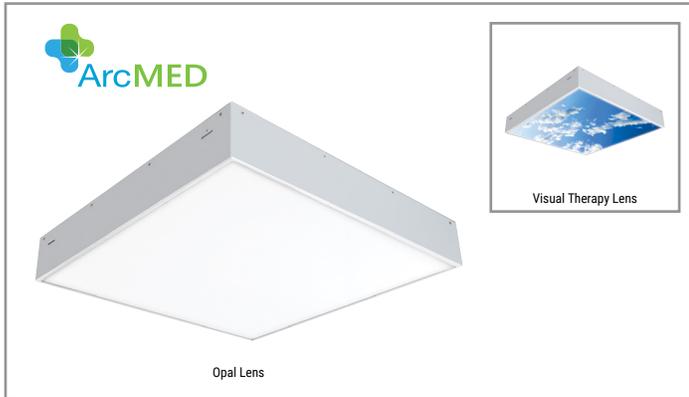Visual Therapy Lens

Fail-Safe

MRI-ATR

MRI Architectural Recessed
Visual Therapy or Fully Luminous
2x2 / 2x4 / 1x4
Remote Drivers /Filters

Typical Applications
MRI / Hybrid OR

Interactive Menu
- Order Information page 2
- Product Specifications page 3
- Image Selection/Configurations page 5-11
- Product Warranty

Product Certification

UL CERTIFIED · RoHS COMPLIANT · NSF · ISO SYSTEMS CERTIFIED

Product Features

damp location · IALDLIRC · LINEAR DISCONNECT Designed to provide safe and convenient means of disconnecting power · BAA BUY AMERICAN ACT AVAILABLE

Top Product Features

- Single-piece, fully luminous smooth opal lens; ideal for easy wipe-down and cleaning
- Choose from over 100 visual therapy lens images, to perfectly match the design intent
- Custom visual therapy lens images available. Work with our factory technical personnel to make your vision become reality
- Choose from three different sizes (2x2, 2x4, 1x4) for your choice of aesthetics and illumination levels
- Non-ferrous construction to ensure trouble-free operation in the MRI suite / hybrid OR
- Remote drivers and multi-channel MRI filters to ensure proper operation and output of the MRI equipment
- Options to meet Buy American Act requirements

Image Selection Examples

See pages 5-11 for complete image selection.

Energy and Performance Data

	Fixture	Wattage	Lumens	LPW
1x4	MRI-14ATR-20-L840-OPL	24	1991	83.0
	MRI-14ATR-40-L840-OPL	53.9	3929	72.9
	MRI-14ATR-50-L840-OPL	83.4	5459	65.5
2x2	MRI-22ATR-20-L840-OPL	24.5	2016	82.3
	MRI-22ATR-40-L840-OPL	51.3	4034	78.6
	MRI-22ATR-60-L840-OPL	89.6	6494	72.5
2x4	MRI-24ATR-20-L840-OPL	22	2086	94.8
	MRI-24ATR-40-L840-OPL	43.6	4041	92.7
	MRI-24ATR-70-L840-OPL	85.9	7007	81.6

CCT Multipliers

L835	1.0
L840	1.0
L850	1.07
L935	0.84
L940	0.85
L950	0.91

Example Room BOM: (8) 2x2 Troffers

Description	Catalog Number	Qty
2x2 Troffer, 2000 Lumens	MRI-22ATR-20-L835-OPL	8
Driver for qty. 3 of 2000 Lumen 2x2 Troffer	MRI-DRV-CD-UNV-22ATR-20-3	2
Driver for qty. 2 of 2000 Lumen 2x2 Troffer	MRI-DRV-CD-UNV-22ATR-20-2	1
3 or 4 Channel Electrical Filter	MRI-RF4	1
Remote Driver Enclosure	MRI-RDE	1

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1. Luminaire

CATALOG EXAMPLE: **MRI-22ATR-20-L840-OPL**=   1 qty. 2x2 light fixture, opal lens
           MRI-24ATR-40-L840-PALM112/ATR-6/24=   6 qty. 2x4 light fixtures, one continuous flower image, 4' x 4'
           MRI-22ATR-20-L850-TREE102/ATR-9/22=   9 qty. 2x2 light fixtures, one continuous sky image, 6' x 6'

Domestic Preferences [1]	Series	Size	Fixture	Lumens	CCT	Image Number			Configuration	
[Blank]=Standard **BAA**=Buy American Act	MRI	**14**=1x4 **22**=2x2 **24**=2x4	**ATR**=Architectural Troffer Recessed	**1x4** **20**=2000 Lumens **40**=4000 Lumens **50**=5000 Lumens **2x2** **20**=2000 Lumens **40**=4000 Lumens **60**=6000 Lumens **2x4** **20**=2000 Lumens **40**=4000 Lumens **70**=7000 Lumens	**L835**=80CRI, 3500K **L840**=80CRI, 4000K **L850**=80CRI, 5000K **L865**=80CRI, 6500K **L935**=90CRI, 3500K **L940**=90CRI, 4000K **L950**=90CRI, 5000K	**OPL**=Opal/Diffused Lens, 0.080" thick CLOUD 101 109 NIGHT 102 110 FLWR 103 111 TREE 104 112 **/ATR** PALM 105 113 MTN 106 114 WATER 107 115 108 **Example:** CLOUD112/ATR, WATER105/ATR, PALM107/ATR			**2x2** **2x4** **1/22**=(1) 2x2 **1/24**=(1) 2x4 **2/22**=(2) 2x2 **2/24**=(2) 2x4 **4/22**=(4) 2x2 **3/24**=(3) 2x4 **6/22**=(6) 2x2 **4/24**=(4) 2x4 **9/22**=(9) 2x2 **5/24**=(5) 2x4 **12/22**=(12) 2x2 **6/24**=(6) 2x4 **1x4** **1/14**=(1) 1x4	
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** See configuration examples, page 5-11.				

2. Remote Driver

SAMPLE ORDER NUMBER: **MRI-DRV-CD-UNV-22ATR-20-2**

Series	Component	Driver	Voltage	Fixture	Lumens			Number of fixtures one driver will power
MRI	**DRV**=Remote Driver	**CD**=0-10V Dimming (1%) **5LTD**=Dali (10%)	**UNV**=120-277V **347**=347V	**14ATR**=1x4 Troffer **22ATR**=2x2 Troffer **24ATR**=2x4 Troffer	**1x4** **20**=2000 Lumens **40**=4000 Lumens **50**=5000 Lumens	**2x2** **20**=2000 Lumens **40**=4000 Lumens **60**=6000 Lumens	**2x4** **20**=2000 Lumens **40**=4000 Lumens **70**=7000 Lumens	**1**=1 fixture powered by 1 driver **2**=2 fixtures powered by 1 driver **3**=3 fixtures powered by 1 driver
								Notes See table below for maximum number of light fixtures per driver at each output.

3. Filter

SAMPLE ORDER NUMBER: **MRI-RF2**

Filter
MRI-RF2=MRI Filter, 1 or 2 Channels (drivers) [2] **MRI-RF4**=MRI Filter, 3 or 4 Channels (drivers) [2]
Notes (2) 1 Channel required for each driver. See page 3 for details.

4. Remote Driver Enclosure

SAMPLE ORDER NUMBER: **MRI-RDE**

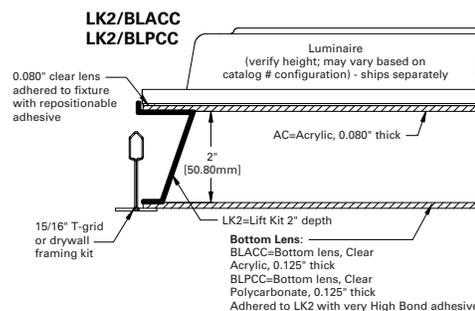| Driver Enclosure |
|---|
| **MRI-RDE**=MRI Remote Driver Enclosure [3] |
| **Notes**
(3) Remote Driver Enclosure can accommodate up to 4 Drivers. |

Maximum number of light fixtures per 1 driver

	Fixture	Lumens	0-10V UNV	0-10V 347V	DALI
1x4	MRI-14ATR-20-L840-OPL	2000	3	3	2
	MRI-14ATR-40-L840-OPL	4000	1	1	1
	MRI-14ATR-50-L840-OPL	5000	1	1	1
2x2	MRI-22ATR-20-L840-OPL	2000	3	3	2
	MRI-22ATR-40-L840-OPL	4000	1	1	1
	MRI-22ATR-60-L840-OPL	6000	1	1	1
2x4	MRI-24ATR-20-L840-OPL	2000	3	3	2
	MRI-24ATR-40-L840-OPL	4000	1	1	1
	MRI-24ATR-70-L840-OPL	7000	1	1	x

Accessories [4]
DFMRI-2448W-U=2' x 4' non-ferrous drywall framing kit. Cut out dimension 24.25" x 48.25" **DFMRI-2424W-U**=2' x 2' non-ferrous drywall framing kit. Cut out dimension 24.25" x 24.25" **DFMRI-1248W-U**=1' x 4' non-ferrous drywall framing kit. Cut out dimension 12.25" x 48.25" **Lift Kit:** **XX-MRI-LK2**=Lift Kit, 2", factory assembled, 2" above ceiling [5] **XX-MRI-LK2/BLACCXXX**=Lift Kit, 2", factory assembled, clear bottom acrylic lens [5] **XX-MRI-LK2/BLPCCXXX**=Lift Kit, 2", factory assembled, clear bottom polycarbonate lens [5]
Notes (4) Accessories sold separately will be separately analyzed under domestic preference requirements. Consult factory for further information. (5) Replace XX with fixture dimension whereas **14**=1' x 4', **22**=2' x 2', **24**=2' x 4' and XXX with preferred lens thickness 080=0.080" thick, 125=0.125" thick. Example: 14-MRI-LK2/BLACC125 (1' x 4' MRI Lift Kit with clear bottom .125" thick acrylic lens).

Lift kit, Clear Acrylic or Polycarbonate bottom lens

LK2/BLACC
LK2/BLPCC

Luminaire (verify height; may vary based on catalog # configuration) - ships separately

0.080" clear lens adhered to fixture with repositionable adhesive

AC=Acrylic, 0.080" thick

2" [50.80mm]

LK2=Lift Kit 2" depth

15/16" T-grid or drywall framing kit

Bottom Lens:
BLACC=Bottom lens, Clear Acrylic, 0.125" thick
BLPCC=Bottom lens, Clear Polycarbonate, 0.125" thick
Adhered to LK2 with very High Bond adhesive

Product Specifications

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

Mounting
- Designed to mount in 15/16" and larger grid ceilings
- Optional non-ferrous MRI drywall framing kit available

Electrical
- Drivers mounted remotely outside of the MRI room to prevent electromagnetic interference
- MRI RF filters available
- Remote driver enclosure houses drivers, typically in MRI equipment room

Gasketing/Lens
- Opal lens provides a uniform light distribution
- Multiple visual therapy images. Individuals or using several luminaires/images to make one continuous image
- Custom images are required to have a greater resolution than 300 x 300p.
- Full illumination across entire fixture opening
- Lens held in place with mechanical lens hold-downs

Compliance
- UL listed for damp locations
- Non-ferrous construction with remote drivers for MRI use
- NSF listed for easy cleaning and wipe-down

Limited Warranty
- Five year limited warranty

Filters

MRI-RF2
1 or 2 channels (drivers)

MRI-RF4
3 or 4 channels (drivers)

Materials
- Steel enclosure
- Steel threaded pipe
- Easy connect terminal blocks

Electrical
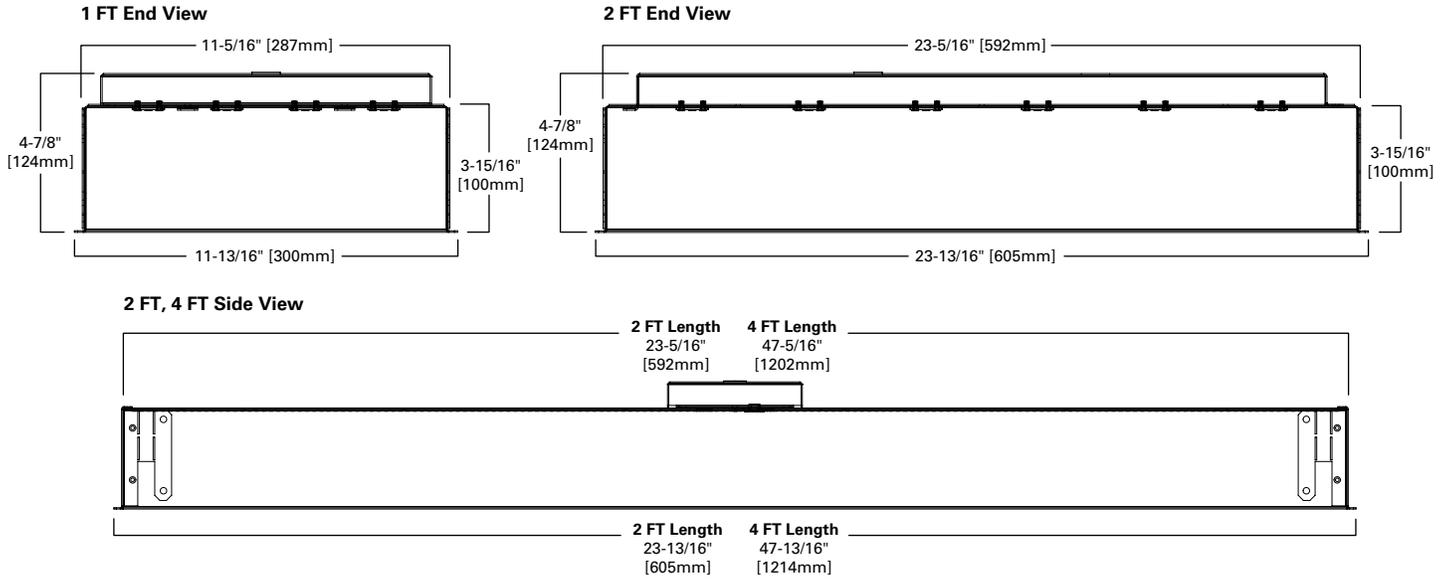- Class II output 100W
- 3A / up to 40VDC

Specifications
- Insertion Loss (typical): -100dB between 10Khz 1Ghz
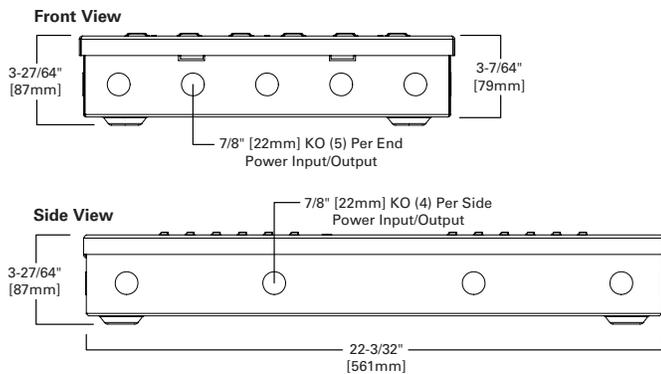- Operating temperature rating: -10°C to +60°C

Mechanical Dimensions

Catalog Number	Length	Width	Depth (add 2.52" for metal pipe)
MRI-RF2	8.70"	3.98"	1.93"
MRI-RF4	8.70"	6.73"	1.93"

Dimensional and Mounting Details

1 FT End View

11-5/16" [287mm]

4-7/8" [124mm]

3-15/16" [100mm]

11-13/16" [300mm]

2 FT End View

23-5/16" [592mm]

4-7/8" [124mm]

3-15/16" [100mm]

23-13/16" [605mm]

2 FT, 4 FT Side View

2 FT Length	4 FT Length
23-5/16" [592mm]	47-5/16" [1202mm]

2 FT Length	4 FT Length
23-13/16" [605mm]	47-13/16" [1214mm]

Remote Driver Enclosure (4 drivers maximum 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

Top

Bottom
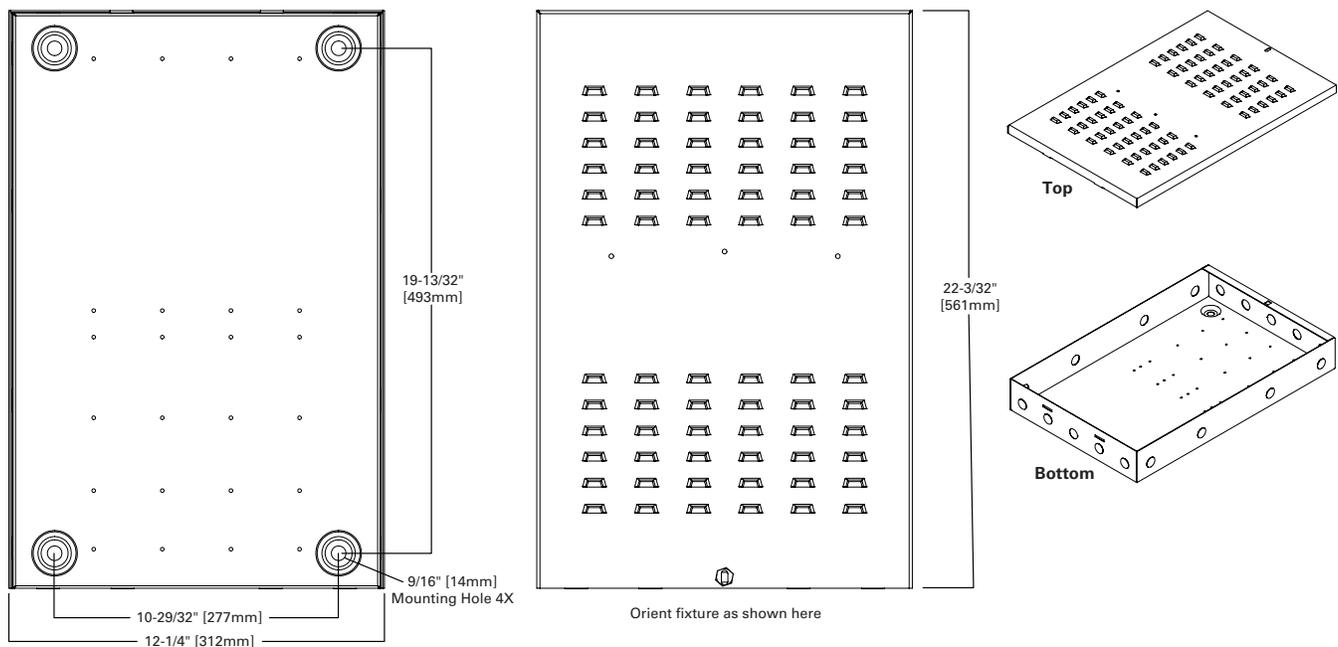
Image Selection - Clouds

CLOUD101/ATR

CLOUD102/ATR

CLOUD103/ATR

CLOUD104/ATR

CLOUD105/ATR

CLOUD106/ATR

CLOUD107/ATR

CLOUD108/ATR

CLOUD109/ATR

CLOUD110/ATR

CLOUD111/ATR

CLOUD112/ATR

CLOUD113/ATR

CLOUD114/ATR

CLOUD115/ATR

Configuration Examples

1/22 **2/22** **4/22** **6/22**

9/22 **12/22**

1/24 **3/24** **5/24**

2/24

4/24 **6/24**

1/14
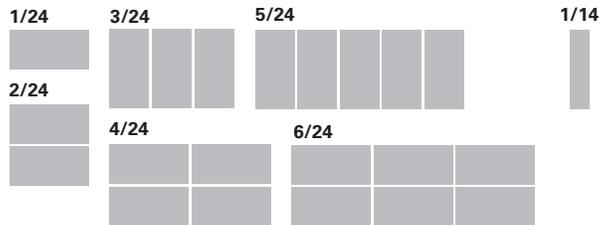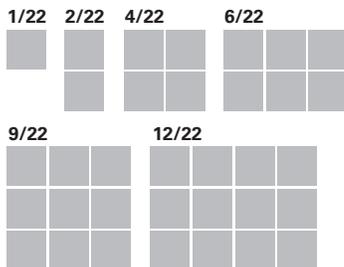
Image Selection - Night Sky

NIGHT101/ATR

NIGHT102/ATR

NIGHT103/ATR

NIGHT104/ATR

NIGHT105/ATR

NIGHT106/ATR

NIGHT107/ATR

NIGHT108/ATR

NIGHT109/ATR

NIGHT110/ATR

NIGHT111/ATR

NIGHT112/ATR

NIGHT113/ATR

NIGHT114/ATR

NIGHT115/ATR

Configuration Examples

1/22 2/22 4/22 6/22

9/22 12/22

1/24 3/24 5/24 1/14

2/24

4/24 6/24

ArcMED

Image Selection - Flowers

FLWR101/ATR

FLWR102/ATR

FLWR103/ATR

FLWR104/ATR

FLWR105/ATR

FLWR106/ATR

FLWR107/ATR

FLWR108/ATR

FLWR109/ATR

FLWR110/ATR

FLWR111/ATR

FLWR112/ATR

FLWR113/ATR

FLWR114/ATR

FLWR115/ATR

Configuration Examples

1/22 2/22 4/22 6/22 1/24 3/24 5/24 1/14

2/24

9/22 12/22 4/24 6/24

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Image Selection - Trees

TREE101/ATR

TREE102/ATR

TREE103/ATR

TREE104/ATR

TREE105/ATR

TREE106/ATR

TREE107/ATR

TREE108/ATR

TREE109/ATR

TREE110/ATR

TREE111/ATR

TREE112/ATR

TREE113/ATR

TREE114/ATR

TREE115/ATR

Configuration Examples

1/22 2/22 4/22 6/22   1/24 3/24 5/24   1/14

2/24

9/22 12/22   4/24 6/24
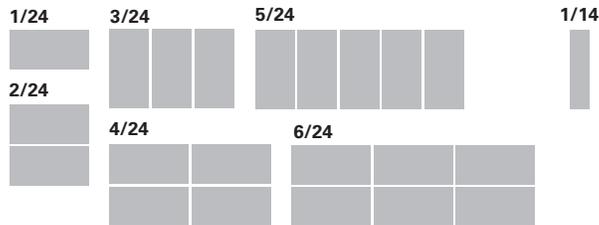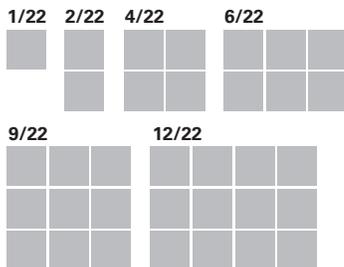
Image Selection - Palms/Palm Trees

PALM101/ATR

PALM102/ATR

PALM103/ATR

PALM104/ATR

PALM105/ATR

PALM106/ATR

PALM107/ATR

PALM108/ATR

PALM109/ATR

PALM110/ATR

PALM111/ATR

PALM112/ATR

PALM113/ATR

PALM114/ATR

PALM115/ATR

Configuration Examples

1/22 2/22 4/22 6/22

9/22 12/22

1/24 3/24 5/24 1/14

2/24

4/24 6/24
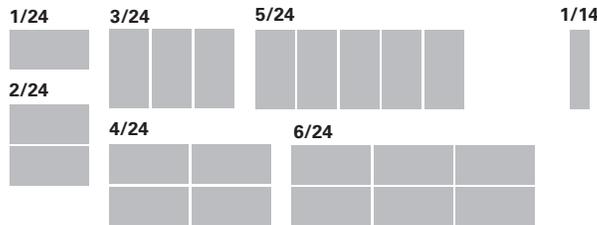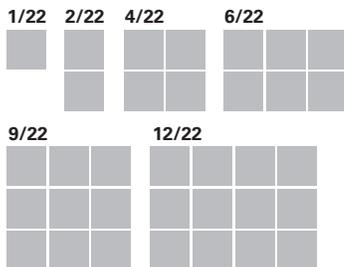
Image Selection - Mountains

MNT101/ATR

MNT102/ATR

MNT103/ATR

MNT104/ATR

MNT105/ATR

MNT106/ATR

MNT107/ATR

MNT108/ATR

MNT109/ATR

MNT110/ATR

MNT111/ATR

MNT112/ATR

MNT113/ATR

MNT114/ATR

MNT115/ATR

Configuration Examples

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ArcMED
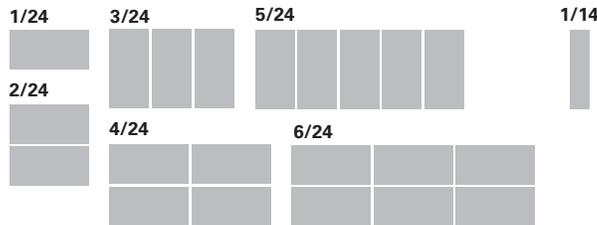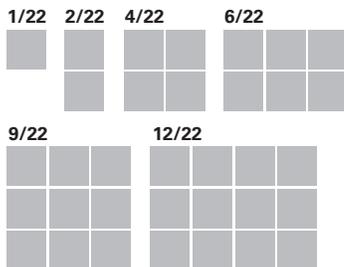
Image Selection - Underwater

WATER101/ATR

WATER102/ATR

WATER103/ATR

WATER104/ATR

WATER105/ATR

WATER106/ATR

WATER107/ATR

WATER108/ATR

WATER109/ATR

WATER110/ATR

WATER111/ATR

WATER112/ATR

WATER113/ATR

WATER114/ATR

WATER115/ATR

Configuration Examples

1/22 2/22 4/22 6/22   1/24 3/24 5/24   1/14

2/24

9/22 12/22   4/24 6/24

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