

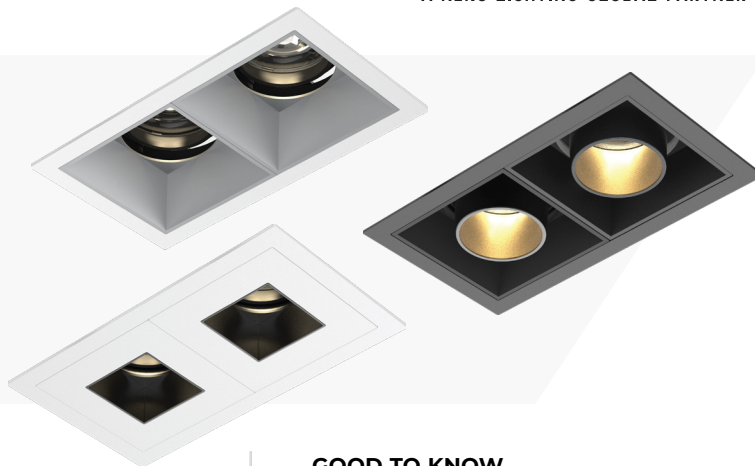
ARIO MULTIPLE

3" Recessed Multiple Configuration



ARIO SERIES

Designed to be the perfect alternative for MR16 halogen lamps, the 3" Ario family offers incredible flexibility for lighting designers and architects. Available in a 1x2 configurations, the square aperture adjustable downlights provides light to multiple directions.



FEATURES

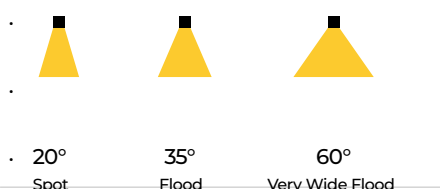
- Multiple reflector finish options to match a wide range of architectural ceiling applications
- Flangeless ceiling installation results in a minimalist, modern appearance
- Modular fixture design with mousetrap springs accommodates easy fixture installation and below ceiling changes
- UGR<19 rating for optimum glare control

GOOD TO KNOW

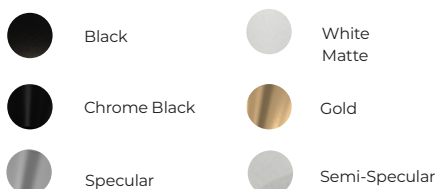
- Multiple head configurations provide a sleek and modern aesthetic
- Designed to be an alternative to 3" MR16 fixtures
- All fixtures, trim combinations are wet location listed, a full enclosed IP65 trim is also available

Optical

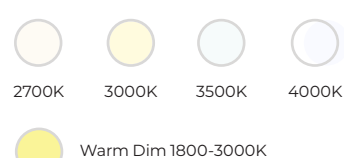
• Beam Angle



• Reflector Finish



• Color Temperature



90 CRI standard, 3 SDCM

Mechanical

- Three-piece fixture construction; LED Module, Trim and Housing
- Die cast aluminium trims
- Self-Flanged, Flangeless drywall and Flangeless Millwork trims

- Self-Flanged trims use mouse trap style springs for mounting
- Flangeless trims mount using four drywall screws
- Fixtures rotate up to 355° and tilt up to 30°

• Shape and Size



- 3» Square, 1x2 Configuration

Housing

- New construction steel frame supplied with universal bar hangers and butterfly brackets
- Bar hangers are adjustable from 13-1/4" to 24-1/2"
- Fixture and driver are serviceable from below the ceiling

Electrical

- Universal 120-277V, 50/60Hz, 0-10V or 120V, 60Hz Triac/ELV driver available
- Drivers connect to LED modules using plenum rated, quick connect cable

Compliance

- ETL listed for Damp locations
- Listed for Wet location

Thermal

- Die cast aluminum heat sink
- L80 lifetime of 50,000 hours
- Ambient fixture operating range: -20°C to 40°C (-4°F to 104°F)

Warranty

- 5 Year limited parts warranty



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Build Your Specification

A complete luminaire includes Product Codes for a Fixture, Trim and Housing, ordered separately

PRODUCT CODE

Fixture

AR							
SERIES	SIZE / SHAPE	NOMINAL LUMEN OUTPUT	BEAM ANGLE	CRI / CCT	TRIM TYPES	REFLECTOR FINISH	OPTIONS ¹
AR	3S12	13L	SP	827 80 / 2700K	OP	BL	WD
ARIO	3" Square 1x2 Configuration	1300 lumens per light	Spot (20°)	830 80 / 3000K 835 80 / 3500K 840 80 / 4000K	Open	Matte Black	Wood Finish
			FL Flood (35°)	927 90 / 2700K 930 90 / 3000K 935 90 / 3500K 940 90 / 4000K	PN Pin-hole	GD Gold	MB Marble Finish
			VF Very Wide Flood (60°)	WD Warm Dim 90/1800- 3000K	GM Gimbal	SS Semi Specular	GB Glass Black Finish
						WH Matte White	
						CF ₂	
						Custom Finish	

Trim²

AR			
SERIES	SIZE / SHAPE	FLANGE TYPE	FINISH COLOR
AR	3S12	SF Self Flanged	BL Textured Matte Black
ARIO	3" Square 1x2 Configuration	NF Flangeless drywall	WH Textured Matte White CF ² Custom finish

Housing

AR						
SERIES	SIZE / SHAPE	FLANGE TYPE	NOMINAL LUMEN OUTPUT	TYPE	VOLTAGE / DRIVER	OPTIONS
AR	3S12	SF Self Flanged	13L	NC New Construction Non-IC	PD120V 120V only, Phase dimming Triac & ELV	EM Emergency battery backup, above ceiling access or remote installation required
ARIO	3" Square 1x2 Configuration	NF Flangeless drywall	1300 lumens per light	RM Remodel Non-IC REM Remote, consult factory	010UNV Universal 120-277V, 0-10V dimming	

Accessories

AR	
SERIES	ACCESSORIES
AR	FR Field Installed Frosted Lens
ARIO	HC Field Installed Honeycomb Louver ⁴

DALIUNV³
Universal 120-277V
Dali Dimming

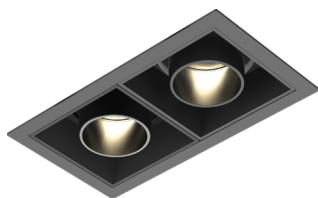
¹ Available only for Pin-hole ² Specify RAL # from K5 classic collection ³ only for new construction Non-IC or Remodel Non-IC ⁴ Not available with Lens options

ARIO MULTIPLE

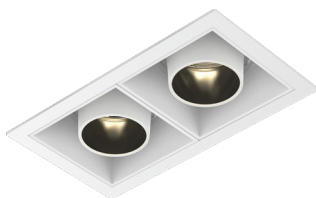
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FIXTURE FINISH



BL
Textured
Matte Black

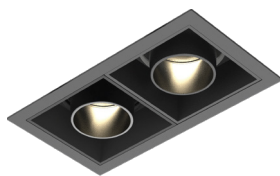


WH
Textured
Matte White

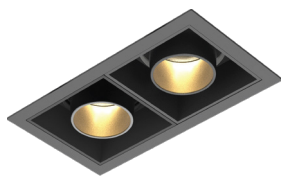


CF
Custom
Finish

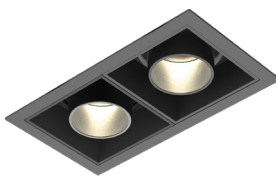
REFLECTOR FINISH



BL
Matte
Black



GD
Gold



SS
Semi
Specular



WH
Matte
White



CF
Custom
Finish

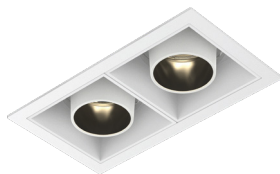
TRIM TYPES



OP
Open



PN
Pin-hole



GM
Gimbal

OPTIONS

Available only for Pin-hole



OP
Marble
Finish



PN
Wood
Finish



GM Glass
Black Finish

ACCESSORIES



HC
Field Installed
Honeycomb Lens



FR
Field Installed
Frosted Lens

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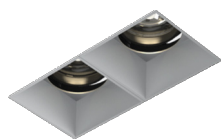


DIMENSIONS

Open

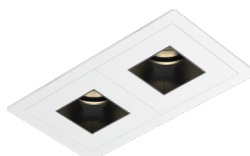


SF Self
Flanged

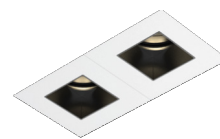


NF
Flangless Drywall

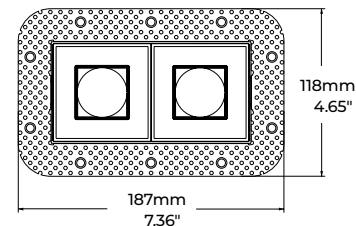
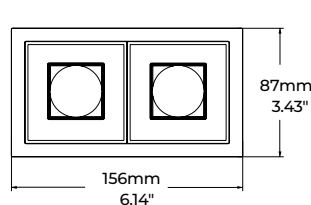
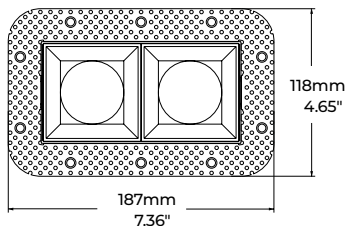
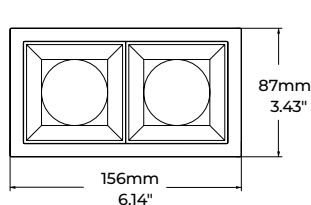
Pin-hole



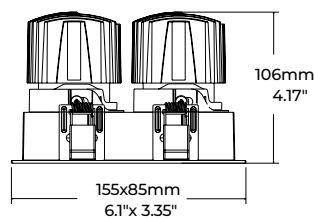
SF
Self Flanged



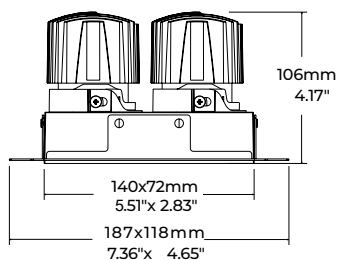
NF
Flangless Drywall



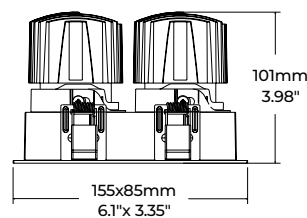
1300 lumen modules



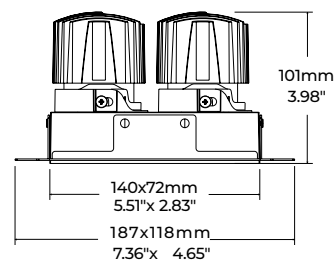
1300 lumen modules



1300 lumen modules



1300 lumen modules



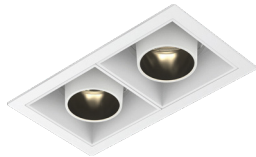
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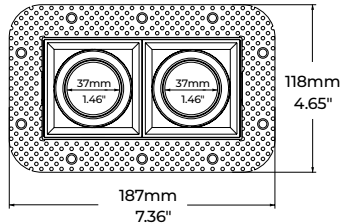
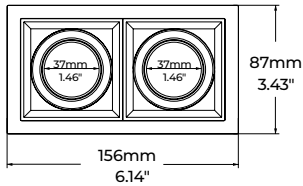
Gimbal



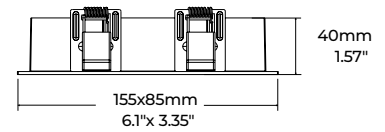
SF Self
Flanged



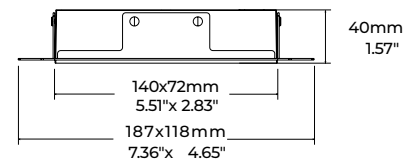
Flangeless Drywall
NF



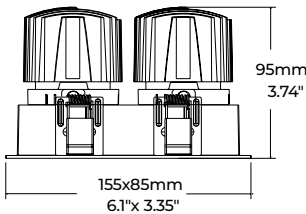
Self Flanged Trims



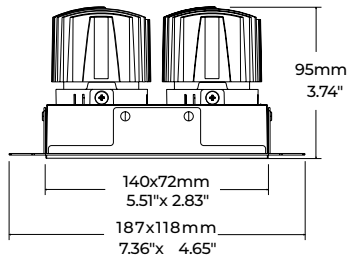
Flangeless Trims



1300 lumen modules



1300 lumen modules



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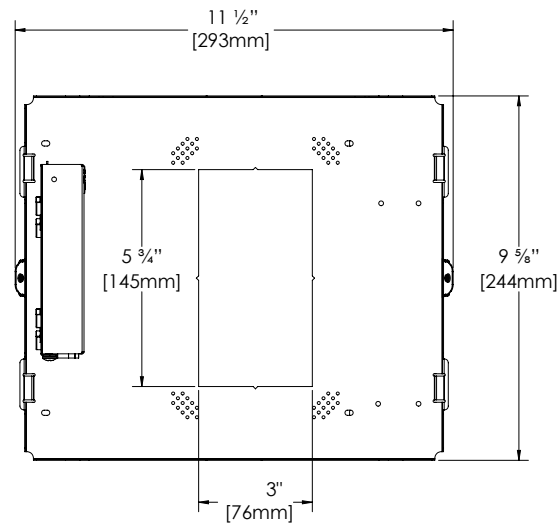
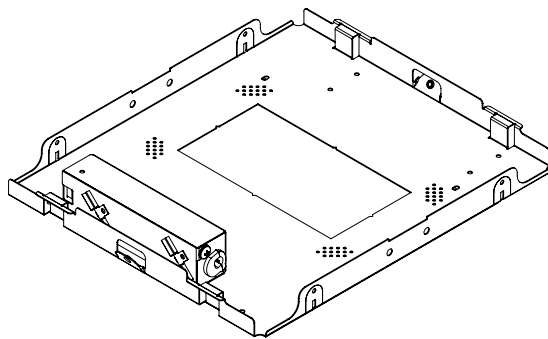
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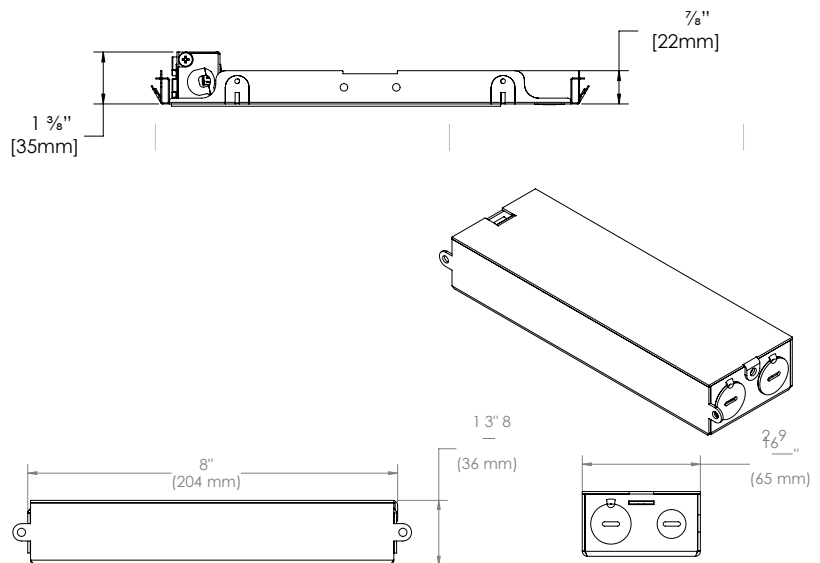
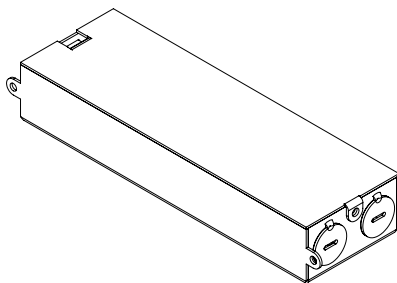
DIMENSIONS

Housing

NC New
Construction
Non-IC



RM
Remodel
Non-IC



Fixture	Trim Inside Dimension	Trim Outside Dimension	Ceiling Cutout	Plenum Clearance
3" Square Self Flanged	5-3/16" x 2-11/16" (136 x 69mm)	6-1/8" x 3-3/8" (155 x 85mm)	5-11/16" x 3" (145 x 76mm)	5-1/2" (140mm)
3" Square Flangeless	5-3/16" x 2-13/16" (136 x 72mm)	5-1/2" x 2-13/16" (140 x 72mm)	5-3/4" x 3-1/4" (147 x 80mm)	7-1/2" (190mm)

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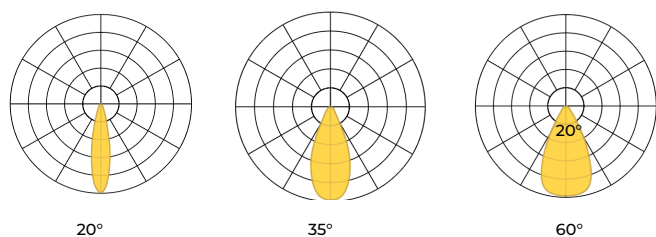


PHOTOMETRIC PERFORMANCE

Technical Information

Fixture	Input Voltage	Input Frequency	Input Current	Input Power	THD	Power Factor
AR-3S12-13L Individual driver per light	120 / 277	50/60Hz	350 mA	13W	<20%	>0.9

Photometrics curves



Nominal Performance

Fixture	Trim Type	Reflector Finish	Beam Angle	90CRI, 4000K	
				Delivered Lumens (for full fixture)	LPW
AR-3S12-13L = 3" Square 1x2 Configuration FULL Fixtures, 1300 lumens/head	OP = OPEN	SS = Semi Specular	Spot (20°)	2050	80
			Flood (35°)	2170	82
			Very Wide Flood (60°)	2072	79

Multiplier Tables

CRI	Conversion Factor
80	1.15
90	1

Trim Type	Conversion Factor
Open (OP)	1
Pinhole (PN)	0.70
Gimbal (GM)	0.85

Reflector Finish	Conversion Factor
Semi-Specular (SS)	0.98
Matte White (WH)	1.00
Gold (GD)	0.96
Matte Black (BL)	0.93

CCT	Conversion Factor
2700K	0.88
3000K	0.93
3500K	0.96
4000K	1.00