



Type:

SPECIFICATION SHEET

Project:

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AVA-Residential

AM504 / AM506 / AM507



DESCRIPTION

Ava-Residential series, it well integrated the excellent aesthetic appearance and extraordinary functions. Versatile spot lighting or accent lighting could be easily achieved by different mounting rings options. Modular design with the mounting rings of Spot, Standard, Deep Frame, Narrow Trim plus adjustable or fixed options in various wattage, Ava-Residential series is a great choice to get a unified impression in one environment.

FEATURES

- Ava Mr16 module fits various custom mounting rings or any MR16 fittings for wide range of applications.
- Aesthetic in design, Small in size but high in wattage thanks to it's efficient convection ventilation design heatsink.
- Uniform light distribution, light efficiency up to 90lm/W, 4 beam angles selectable(15, 24, 36, 50D)
- Dim-to Warm 1800K-3000K and single color 2700K to 5000K range with SDCM<3 high color consistency.
- Ava Mr16 Module, mounting rings, optics and accessories, all in modular design to help customer to reduce stock.
- Variable Mounting rings with different cut-outs & low glare level & tiltable for choice.

SPECIFICATIONS

ELECTRICAL

Power: 5W/8W(AM504), 10/15W(AM506), 5W/8W(AM507)
 Voltage: AC 220-240V / 100-277V
 Frequency: 50/60Hz
 Power Factor: >0.90
 Dimming: On-off / 0/1-10V / TRIAC / DALI

OPTICAL

LED Type: COB
 Lumen Output: 664lm (AM504), 1182lm (AM506) , 693lm (AM507)
 Beam Optic: Narrow Spot (15°) / Spot (24°, 36°) / Flood (50°)
 Color Quality: CRI 80+/90+, SDCM < 3
 Color Temperature: Static White: 2700K, 3000K, 3500K, 4000K
 Dim To Warm: 1800K-3000K

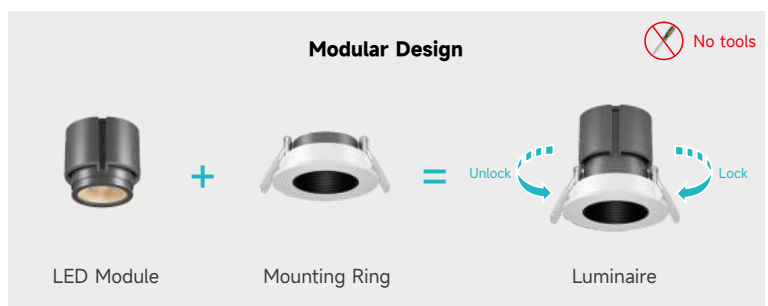
LUMINAIRE

Frame Color: Black
 Trim Color: White / Black / Silver
 Operating Temperature: -20°C~40°C
 Lifespan: >50000h@80%(L80)
 Warranty: 5 years Carefree for Parts and Components
 (Labor not included) LED luminaire life reduction and warranty invalidation will occur if installed in environments above 40°C

PHYSICAL

Ceiling Thickness: 1mm to 20mm spring clip
 Construction: Aluminum
 Mounting: Recessed with spring plates

DETAILS



ORDERING INFORMATION

AM504							
MODULE	TRIM	LUMEN	TRIM COLOR	CRI	CCT	OPTIC	DIMMING
<input type="checkbox"/> AM504 AVA 50mm Aperture	<input type="checkbox"/> AF21RA01 Spot	<input type="checkbox"/> L03 300lm	<input type="checkbox"/> W White	<input type="checkbox"/> 8 80+	<input type="checkbox"/> 27 2700K	<input type="checkbox"/> 015 Narrow Spot 15°	<input type="checkbox"/> V 0/1-10V
	<input type="checkbox"/> AF21RA02 Spot	<input type="checkbox"/> L06 600lm	<input type="checkbox"/> B Black	<input type="checkbox"/> 9 90+	<input type="checkbox"/> 30 3000K	<input type="checkbox"/> 024 Spot 24°	<input type="checkbox"/> T Triac
<input type="checkbox"/> AM506 AVA 50mm Aperture	<input type="checkbox"/> AF21RF01 Spot	<input type="checkbox"/> L09 900lm	<input type="checkbox"/> S Silver		<input type="checkbox"/> 35 3500K	<input type="checkbox"/> 036 Spot 36°	<input type="checkbox"/> X 0-10V/Triac
	<input type="checkbox"/> AF22RF01 Standard				<input type="checkbox"/> 40 4000K	<input type="checkbox"/> 050 Flood 50°	<input type="checkbox"/> D DALI
<input type="checkbox"/> AM507 AVA 50mm Aperture	<input type="checkbox"/> AF22RA01 Standard	<input type="checkbox"/> L12 1200lm			<input type="checkbox"/> DW Dim To Warm 1800K-3000K		<input type="checkbox"/> N Non-dimming
	<input type="checkbox"/> AF22RA02 Standard						
	<input type="checkbox"/> AF23RA01 Deep Frame						
	<input type="checkbox"/> AF23RA02 Deep Frame						
	<input type="checkbox"/> AF23RA03 Deep Frame						
	<input type="checkbox"/> AF24RA01 Narrow Trim						
	<input type="checkbox"/> AF24SA01 Narrow Trim						
	<input type="checkbox"/> AF24SA02 Narrow Trim						

ACCESSORIES (TO BE ORDERED SEPARATELY)
 FOR INSTALLATION CONSULT THE INSTRUCTION SHEET

OPTICAL ACCESSORY
 Honeycomb
 AM504-H / AM506-H / AM507-H

 Soft Lens
 AM504-L / AM506-L / AM507-L




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PHOTOMETRIC DATA (NON-DIMMING)

LUMEN PACKAGE	POWER	CCT	15°			24°			36°			50°		
			LUMENS	EFFICACY	MAX CANDELA	LUMENS	EFFICACY	MAX CANDELA	LUMENS	EFFICACY	MAX CANDELA	LUMENS	EFFICACY	MAX CANDELA
AM504-AF21RF01	5W	3000K	363	76	2868	408	86	2474	345	73	758	294	62	363
AM507-AF21RF01	8W	3000K	693	83	4062	655	78	2932	579	70	1394	520	62	813

Above test data is based on [Spot trim\(AF21RF01\)](#) with 3000K 90CRI LED.

LUMEN PACKAGE	POWER	CCT	15°			24°			36°			50°		
			LUMENS	EFFICACY	MAX CANDELA	LUMENS	EFFICACY	MAX CANDELA	LUMENS	EFFICACY	MAX CANDELA	LUMENS	EFFICACY	MAX CANDELA
AM504-AF22RF01	8W	3000K	608	83	6302	664	91	4649	638	88	1789	639	88	1143
AM506-AF22RF01	10W	3000K	812	78	8793	898	87	6450	867	84	2444	860	83	1581
AM506-AF22RF01	15W	3000K	1085	74	11524	1182	81	8457	1139	78	3198	1132	78	2094

Above test data is based on [Standard trim\(AF22RF01\)](#) with 3000K 90CRI LED.

LUMEN MULTIPLIERS

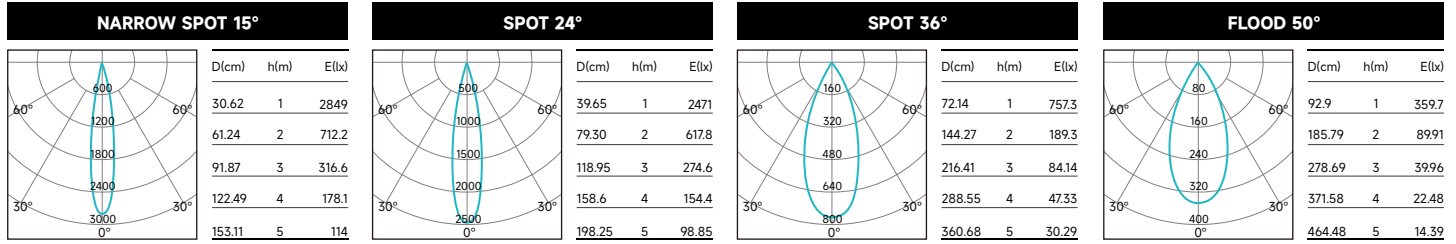
CCT	MULTIPLIER
2700K	0.96
3000K	1.00
3500K	1.04
4000K	1.05

Applying Lumen Multipliers to Calculate Delivered Lumens

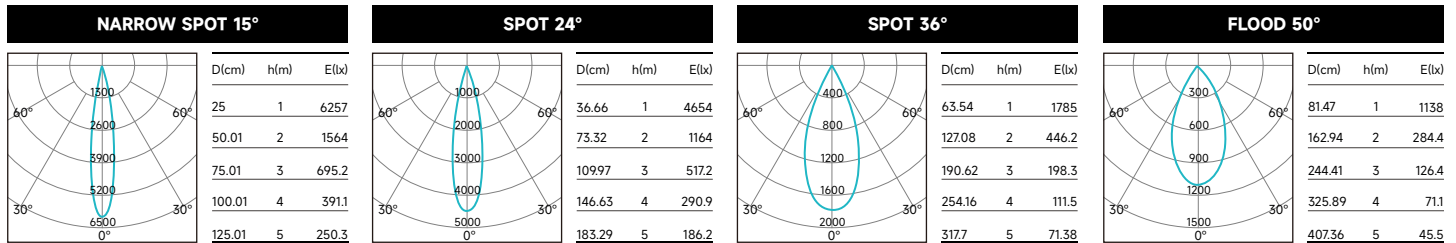
Base Fixture Delivered Lumens (from PHOTOMETRIC DATA)	x	CCT Multiplier	=	Delivered Lumens for Desired Fixture
STANDARD TRIM Example: AM504-AF21RF01 3500K				
363 lm	x	1.04	=	377 lm

LIGHT DISTRIBUTION

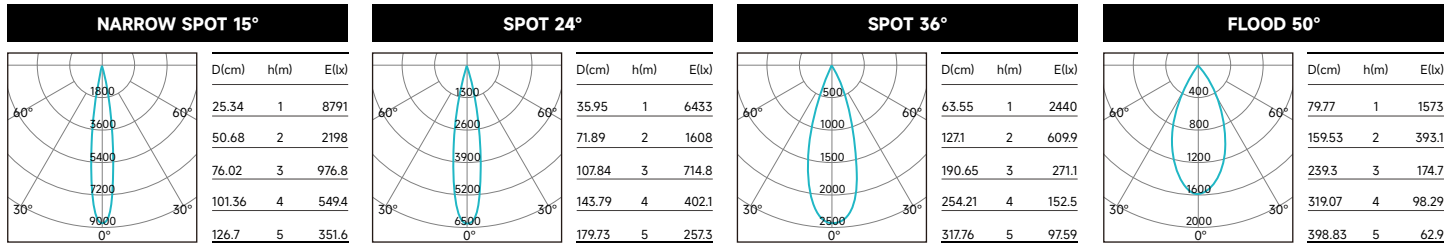
AM504-AF21RF01 3000K 5W



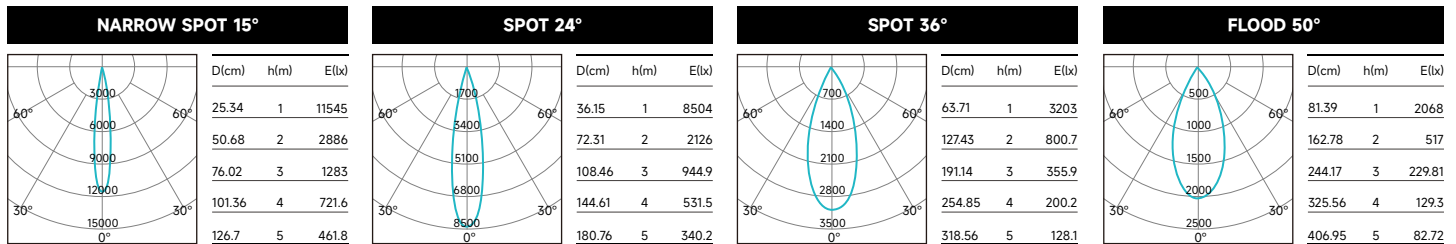
AM504-AF22RF01 3000K 8W



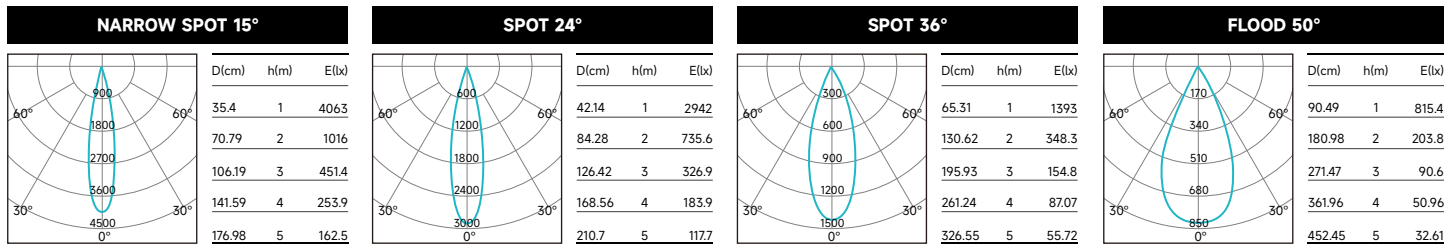
AM506-AF22RF01 3000K 10W



AM506-AF22RF01 3000K 15W



AM507-AF21RF01 3000K 8W

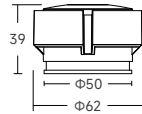


DIMENSION

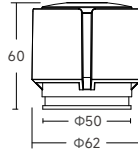
LED Module



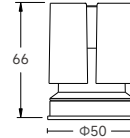
AM504



AM506



AM507

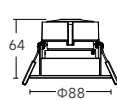


Trim For AVA-RESIDENTIAL

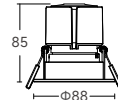
SPOT



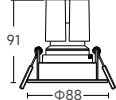
AM504-AF21RA01



AM506-AF21RA01



AM507-AF21RA01

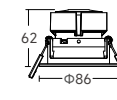


Φ75mm

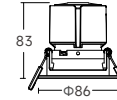
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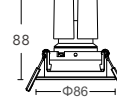
AM504-AF22RF01



AM506-AF22RF01



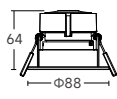
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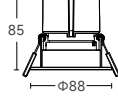
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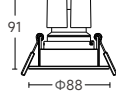
AM504-AF21RA02



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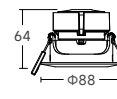
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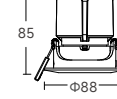
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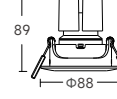
AM504-AF22RA01



AM506-AF22RA01



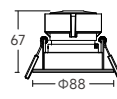
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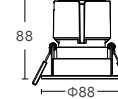
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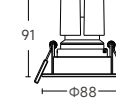
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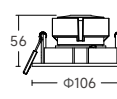
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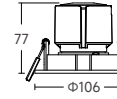
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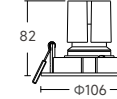
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AM506-AF22RA02



AM507-AF22RA02

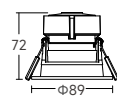


Φ95mm

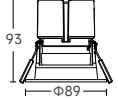
DEEP FRAME



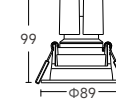
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AM506-AF23RA01



AM507-AF23RA01

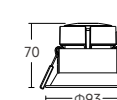


Φ70mm

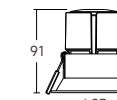
NARROW TRIM



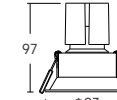
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AM506-AF24RA01



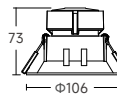
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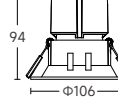
Φ85mm



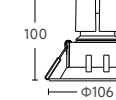
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AM506-AF23RA02



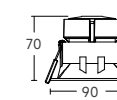
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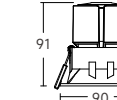
Φ85mm



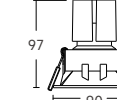
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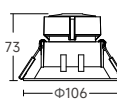
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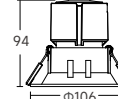
85x85mm



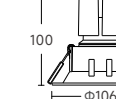
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AM506-AF23RA03



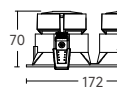
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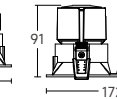
Φ90mm



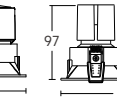
AM504-AF24SA02



AM506-AF24SA02



AM507-AF24SA02



80x160mm



Type:

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AVA DOWNLIGHT SYSTEM

Elegant MR16(GU10) compatible design, AVA was born to be versatile. The perfect thermal management ensures the high wattage in the smaller housing. Aesthetic design is not the only advantage of AVA, it's 90lm/W efficacy with uniform light distribution also worth a mention. Except the single color 2700K to 5000K range, AVA also offers 1800K-3000K Dim-to warm create a SDCM \leq 3 color consistency home-like atmosphere to where it is needed. It complies with the modular design, everything is interchangeable except COB, well covered the commercial and residential applications. The performance of AVA is the ice of the cake on the aesthetic appearance.

DETAILS



Scan to know more about product information