



Ava-Commercial

AM504 / AM506 / AM507



DESCRIPTION

Ava-Commercial series, it comes into round and square with modular design, in various wattage, besides, single downlight could be more with dual head, perfectly fit into any indoor retails or commercial environments.

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.

ELECTRICAL

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

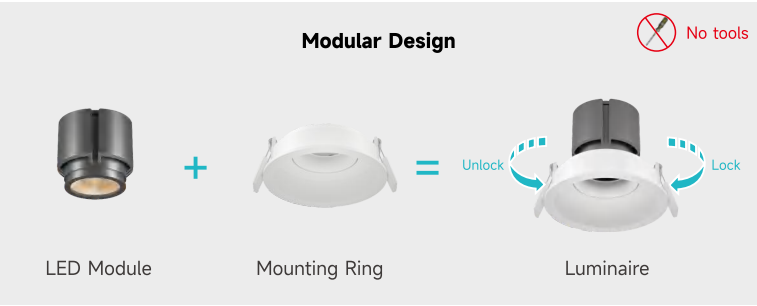
OPTICAL

LED type:	COB
Lumen output:	615lm (AM504), 1356lm (AM506) , 693lm (AM507)
Beam optic:	15° / 24° / 36° / 50°
Color quality:	CRI 80+/90+, SDCM < 3
Light color:	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 limited warranty

DETAILS





ORDERING INFORMATION

MODULE	TRIM	LUMEN	TRIM COLOR	CRI	CCT	OPTIC	DIMMING
☐ AM504 AVA 50mm Aperture ☐ AM506 AVA 50mm Aperture ☐ AM507 AVA 50mm Aperture	☐ AF31RA01 Round ☐ AF31SA01 Square ☐ AF31SA02 Dual-head	☐ L04 400lm ☐ L06 600lm ☐ L10 1000lm ☐ L13 1300lm	☐ W White ☐ B Black ☐ S Silver	☐ 8 80+ ☐ 9 90+	☐ 27 2700K ☐ 30 3000K ☐ 35 3500K ☐ 40 4000K ☐ DW Dim To Warm 1800K-3000K	☐ 015 15° ☐ 024 24° ☐ 036 36° ☐ 050 50°	☐ V 0/1-10V ☐ T Triac ☐ X 0-10V/Triac ☐ D DALI ☐ N Non-dimming

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

OPTICAL ACCESSORY

☐ **Honeycomb**
AM504-H / AM506-H / AM507-H

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



PHOTOMETRIC DATA (NON-DIMMING)

POWER	CCT	CRI	BEAM OPTIC	LUMENS (lm)	EFFICACY (lm/W)	MAX CANDELA (cd)
5W (AM504)	3000K	90	15°	398	84	3006
			24°	423	90	2501
			36°	378	80	749
			50°	293	62	361
8W (AM504)	3000K	90	15°	574	86	4341
			24°	615	92	3642
			36°	553	82	1099
			50°	426	64	525
10W (AM506)	3000K	90	15°	905	85	5063
			24°	1026	97	4818
			36°	992	94	2612
			50°	675	64	837
15W (AM506)	3000K	90	15°	1182	70	6621
			24°	1356	89	6354
			36°	1308	86	3443
			50°	895	57	1111

Above test data is based on [Standard trim\(AF31RA01\)](#) with 3000K 90CRI LED.

LUMEN MULTIPLIERS

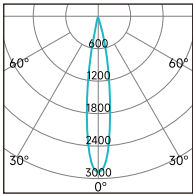
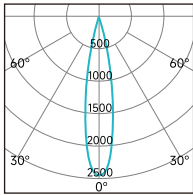
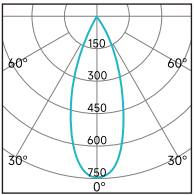
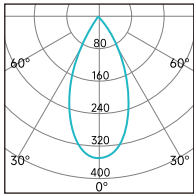
CCT	MULTIPLIER
2700K	0.96
3000K	1.00
3500K	1.04
4000K	1.05

Applying Lumen Multipliers to Calculate Deliveried Lumens

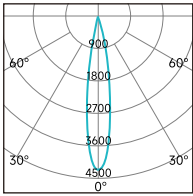
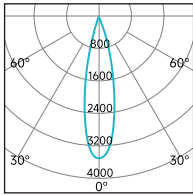
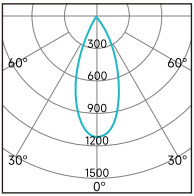
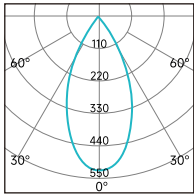
Base Fixture Deliveried Lumens (from PHOTOMETRIC DATA)	x	CCT Multiplier	=	Delivered Lumens for Desired Fixture
STANDARD TRIM Example: AM504-AF31RA01 3500K				
398 lm	x	1.04	=	414 lm

LIGHT DISTRIBUTION

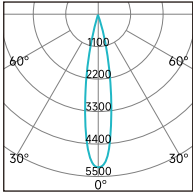
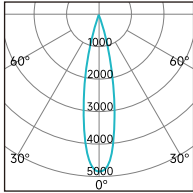
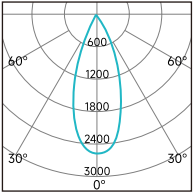
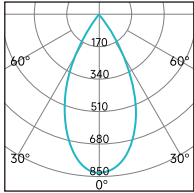
AM504-AF31RA01 3000K 5W

15°				24°				36°				50°			
	D(cm)	h(m)	E(lx)		D(cm)	h(m)	E(lx)		D(cm)	h(m)	E(lx)		D(cm)	h(m)	E(lx)
	30.5	1	2967		39.38	1	2499		73.1	1	749.4		92.85	1	358.4
	61	2	741.6		78.76	2	624.8		146.21	2	187.3		185.71	2	89.6
	91.5	3	329.6		118.13	3	277.7		219.31	3	83.26		278.56	3	39.82
	122	4	185.4		157.51	4	156.2		292.42	4	46.84		371.41	4	22.4
	152.5	5	118.7		196.89	5	99.97		365.52	5	29.97		464.27	5	14.34

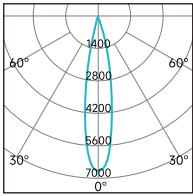
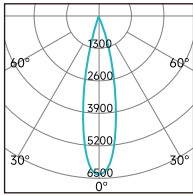
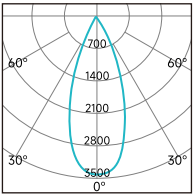
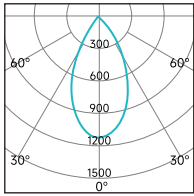
AM504-AF31RA01 3000K 8W

15°				24°				36°				50°			
	D(cm)	h(m)	E(lx)		D(cm)	h(m)	E(lx)		D(cm)	h(m)	E(lx)		D(cm)	h(m)	E(lx)
	30.38	1	4286		39.4	1	3636		72.79	1	1104		92.81	1	521.4
	60.75	2	1072		78.79	2	909.1		145.58	2	276.1		185.62	2	130.4
	91.13	3	476.3		118.19	3	404		218.37	3	122.7		278.43	3	57.94
	121.5	4	267.9		157.59	4	227.3		291.16	4	69.02		371.24	4	32.59
	151.88	5	171.5		196.98	5	145.5		363.94	5	44.17		464.05	5	20.86

AM506-AF31RA01 3000K 10W

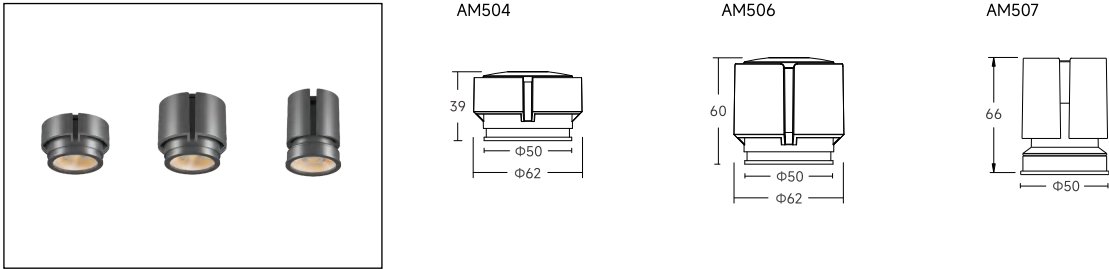
15°				24°				36°				50°			
	D(cm)	h(m)	E(lx)		D(cm)	h(m)	E(lx)		D(cm)	h(m)	E(lx)		D(cm)	h(m)	E(lx)
	36.62	1	5039		45.67	1	4803		65.76	1	2609		92.45	1	837.6
	73.24	2	1260		91.33	2	1201		131.51	2	652.2		184.91	2	209.4
	109.87	3	559.9		137	3	533.7		197.27	3	289.9		277.36	3	93.07
	146.49	4	314.9		182.67	4	300.2		263.02	4	163.1		369.81	4	52.35
	183.11	5	201.6		228.33	5	192.1		328.78	5	104.4		462.27	5	33.51

AM506-AF31RA01 3000K 15W

15°				24°				36°				50°			
	D(cm)	h(m)	E(lx)		D(cm)	h(m)	E(lx)		D(cm)	h(m)	E(lx)		D(cm)	h(m)	E(lx)
	36.59	1	6607		45.7	1	6357		65.74	1	3450		92.14	1	1117
	73.17	2	1652		91.41	2	1589		131.47	2	862.4		184.28	2	279.3
	109.76	3	734.1		137.11	3	706.3		197.21	3	383.3		276.43	3	124.1
	146.34	4	412.9		182.81	4	397.3		262.94	4	215.6		368.57	4	69.82
	182.93	5	264.3		228.52	5	254.3		328.68	5	138		460.71	5	44.68

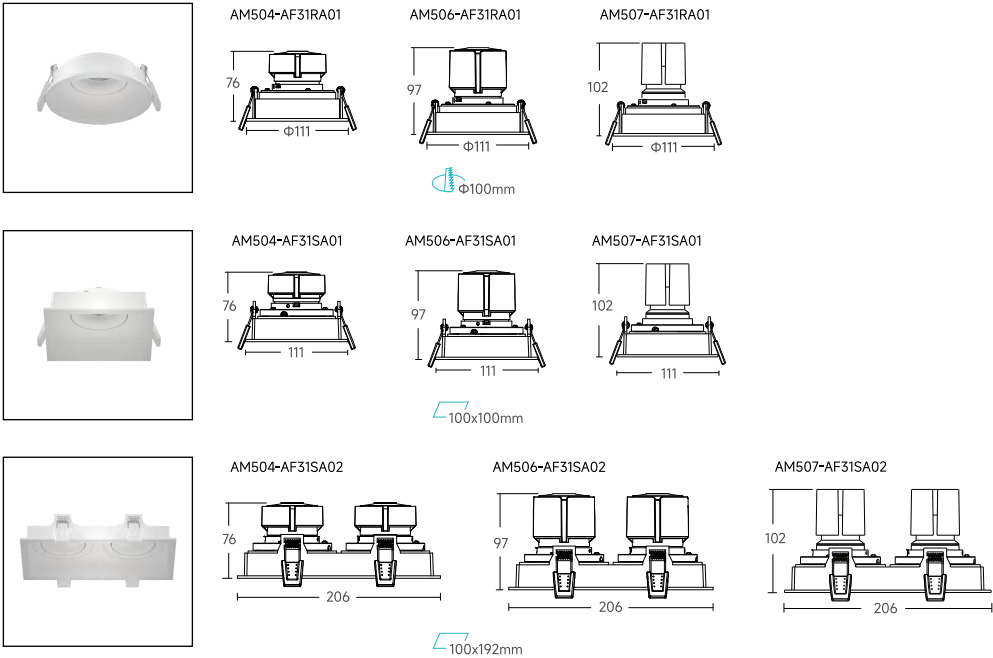
DIMENSION

LED Module



Trim For AVA-Commercial

STANDARD





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≤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