

# KINETA

LED COMMERCIAL DOWNLIGHT  
RECESSED DOWNLIGHT



The KINETA Series LED downlight are the ideal recessed downlight for any retrofit or new construction project. The spring-action housing clips make the installation process a breeze in mere minutes. The KINETA separates itself from competitor downlights by having super modular design with round and square, adjustable and fixed options. Replacing LED module, mounting ring, beam lens and reflectors with no need of tools. This offers an unparalleled level of flexibility.

Project: \_\_\_\_\_

Qty: \_\_\_\_\_

Notes: \_\_\_\_\_

## OPERATING & ELECTRICAL

**Input Voltage** 120-277 Vac  
**Power factor** >0.9  
**Dimming** 0-10V external dimming & Triac Dual dimming  
**Total harmonic distortion (THD)** <20%

**Power Supply**  
driver

Factory wired electronic LED

**LED Board**

Light emitted source

## APPLICATION CONDITION

**Ambient temperature range** -10 to 40°C  
**Protection** IP20

## PERFORMANCE

**Lumens per Watt** 98 LPW at 90CRI  
**Beam angle** 15, 24, 38, 55°

## COMPATIBLE MOUNTING

**Mounting** Recessed

## MECHANICAL & HOUSING

**Housing** Brushed metal  
**Lens** PMMA lens ensures high efficiency light output for a clean, evenly illuminated surface with minimal glare. High transmittance lens allowing for a smooth, diffused light pattern.  
**Finish** Brushed metal providing an elegant finish

## WARRANTY

**System warranty** 5 years  
**Lumen maintenance** Rated for 70% initial lumen output at 50,000 hours of operation, operated at 25°C ambient temperature; per guidelines published by the Illuminating Engineering Society (IES). (L70 at 50,000 hours)

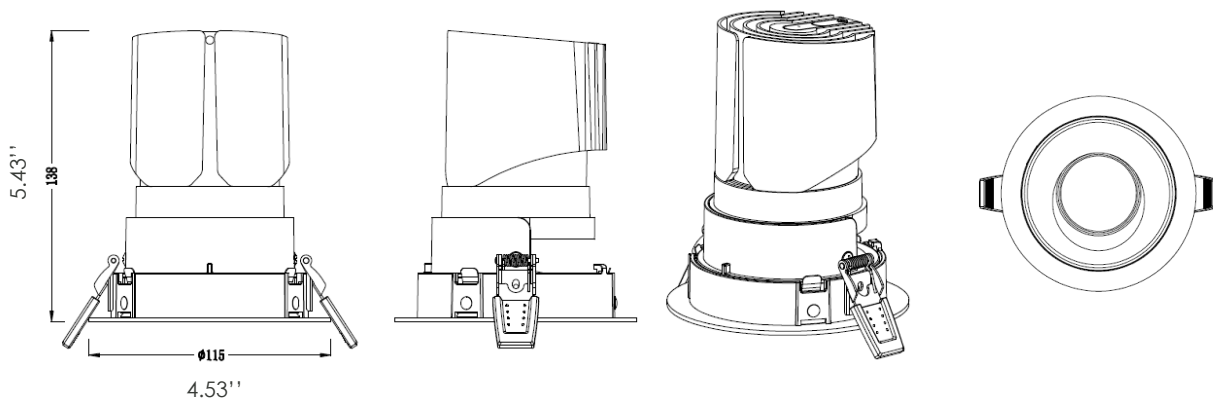
## ORDERING GUIDE

AE-DL-KN	-4	-RA1	BK	-UV	-25W	-X	-30	-15
FIXTURE FAMILY	DIMENSION	SHAPE & SIZE	REFLECTORS	INPUT VOLTAGE	POWER	CONTROLS	CCT	BEAM ANGLE
AE-DL-KN Eralux KINETA Series recessed downlight	4 inches	-RA1 Round Adjustable	BK Black	-UV 120-277 Vac	-25W 25 watts	-X 0-10V external dimming & Triac Dual dimming	-30 3000K CCT	-15 15° Beam angle
		-SA1 Square Adjustable	SP Specular bright silver				-35 3500K CCT	-24 24° Beam angle
		-RF1 Round Fixed	DF Diffused matt silver				-40 4000K CCT	-38 38° Beam angle
							-55 55° Beam angle	

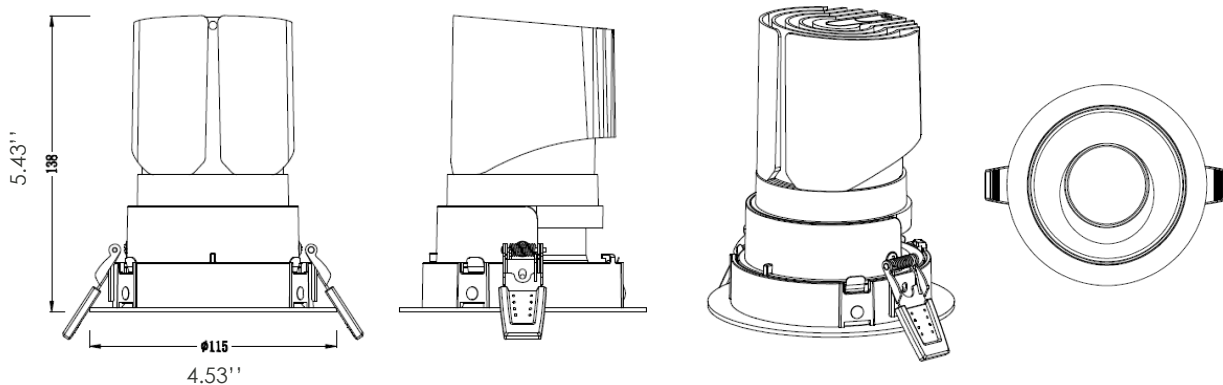


## PRODUCT DIMENSIONS

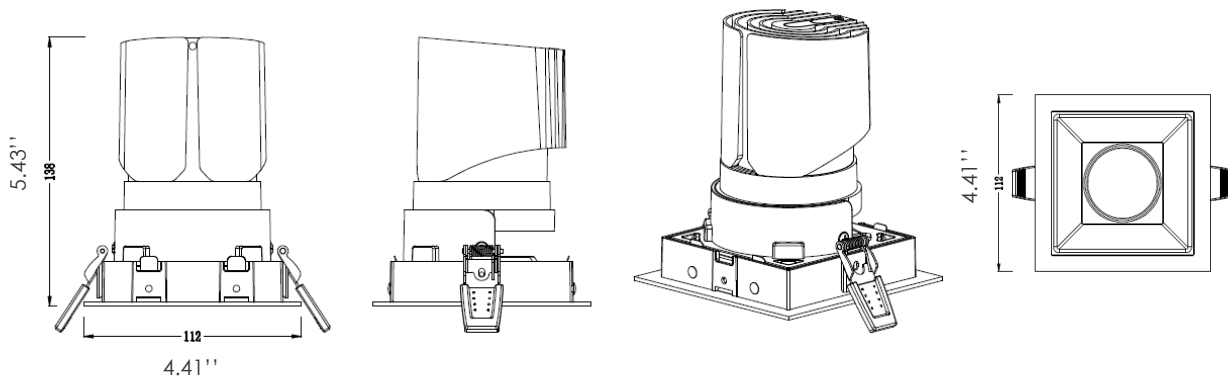
AE-DL-KN-4-RA1XX-UV-25W-X-XX-XX



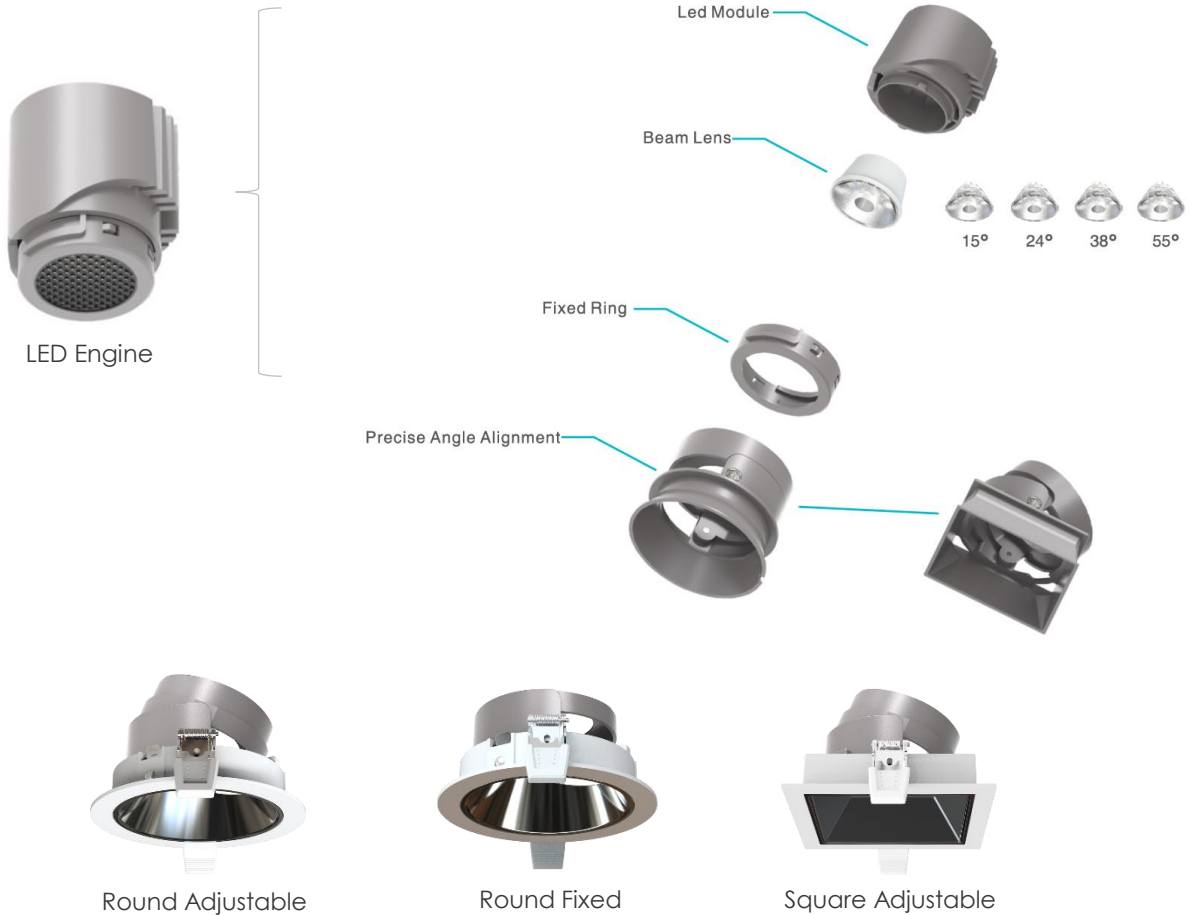
AE-DL-KN-4-RF1XX-UV-25W-X-XX-XX



AE-DL-KN-4-SA1XX-UV-25W-X-XX-XX



## PRODUCT ASSEMBLY GUIDE



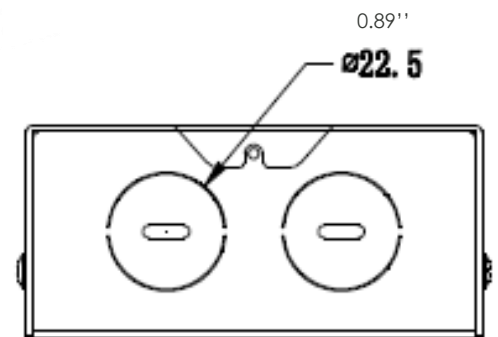
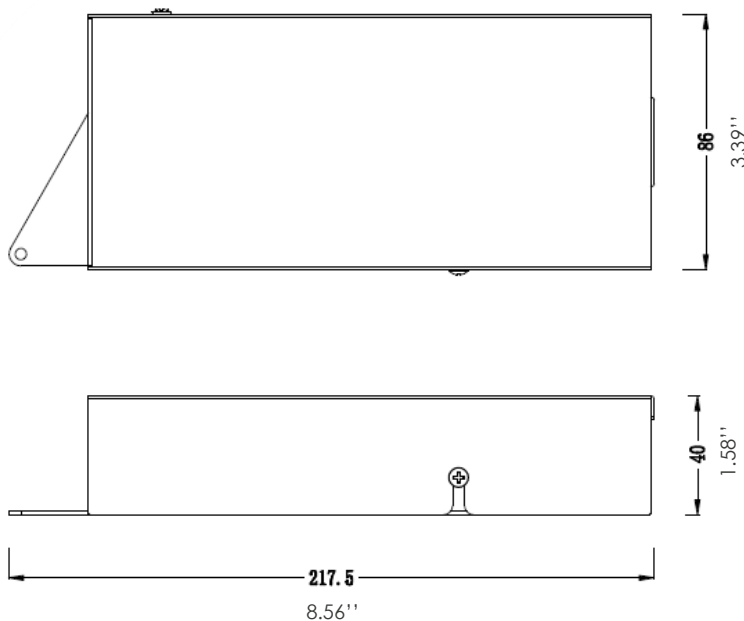
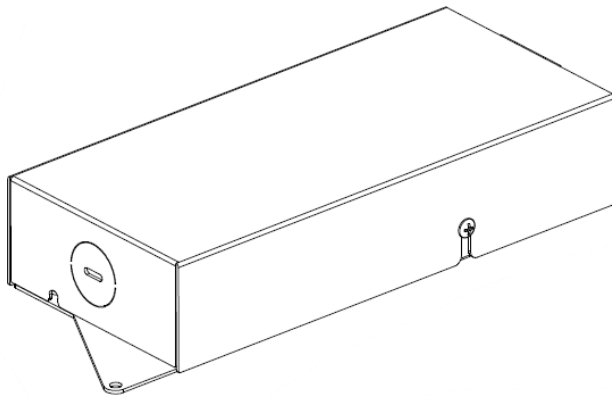


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## DIMENSIONS (mm)

Accompanied Junction Box



ERALUX Inc.  
1-514-447-7598 | 1-630-534-2589  
[www.eralux.com](http://www.eralux.com)

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## LUMEN ESTIMATE

Lumen output varies based on CCT and CRI. An estimate of lumen output of the various CCT/CRI combinations, use correction factors as per table below:

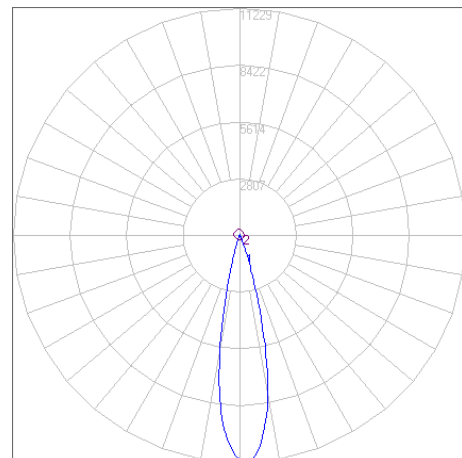
Lumen estimate adjustment factors				
CCT	2700K	3000K	3500K	4000K
NORMAL (90CRI)	0.94	1	1.02	1.03

## PHOTOMETRIC DATA

AE-DL-KN-4-RA1XX-UV-25W-X-XX-24

Coefficients of utilization												
Ceiling	80%				70%		50%		30%		0%	
Wall	70%	50%	30%	10%	50%	10%	50%	10%	50%	10%	0	
RCR	Zonal Cavity Method – Effective floor reflectance = 20%											
Room Cavity Ratio	0	118	118	118	118	115	115	110	110	104	104	97
	1	115	113	111	109	110	107	106	104	102	100	95
	2	111	108	105	103	106	102	103	99	99	97	93
	3	108	104	101	98	102	97	100	95	97	93	90
	4	105	100	97	94	99	93	97	92	95	91	88
	5	103	97	94	91	96	90	94	89	93	88	86
	6	100	95	91	88	94	88	92	87	91	86	85
	7	98	92	88	86	91	85	90	85	89	84	83
	8	96	90	86	84	89	83	88	83	87	82	81
	9	94	88	84	82	87	81	86	81	85	81	80
10	92	86	82	80	85	80	85	79	84	79	78	

Zonal lumen			
Zone	Lumens	Zone	Lumens
0-10	851.75	90-100	0.59
10-20	799.46	100-110	0.67
20-30	130.7	110-120	0.77
30-40	32.9	120-130	1.94
40-50	6.8	130-140	7.11
50-60	1.85	140-150	13.24
60-70	1.22	150-160	13.53
70-80	0.54	160-170	7.86
80-90	0.41	170-180	1.86





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## OVERVIEW



### SUPER MODULAR DESIGN

Unique super modular design making the assemble and disassemble process toolless and effortless. Lens changing and trim changing can be easily done in just one minute.

### FLEXIBLE HEADS

One engine module fits for both fixed and adjustable heads, in both round and square shapes, making KINETA fit for any kinds of projects and customizable space lighting.

### VARIOUS REFLECTORS

Reflectors are available in specular, diffuse and charcoal black. They could fulfill all your needs to create a desirable lighting effect.

### HIGH-END FIXTURE

Radial engine shape conveniences wire arrangement and reduces engine weight without sacrificing aesthetics.



LED Module

Mounting Ring

Luminaire

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