



Signcomplex
light and smart

DL301 series Adjustable Gimbal LED Downlight



Multi-angle
adjustment



Modular
design



5CCT
Adjustable



0-10V/Triac
Dimmable



CRI
>90



ETL
Intertek



ENERGY STAR



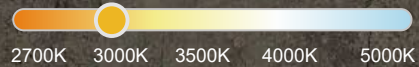
RoHS



WET Location



5
YEARS
Warranty



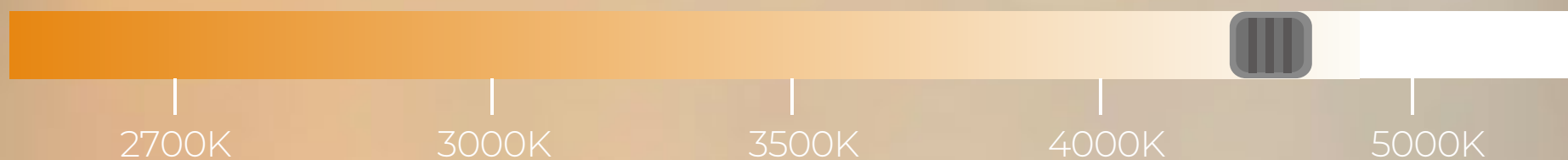
2.5inch



4inch

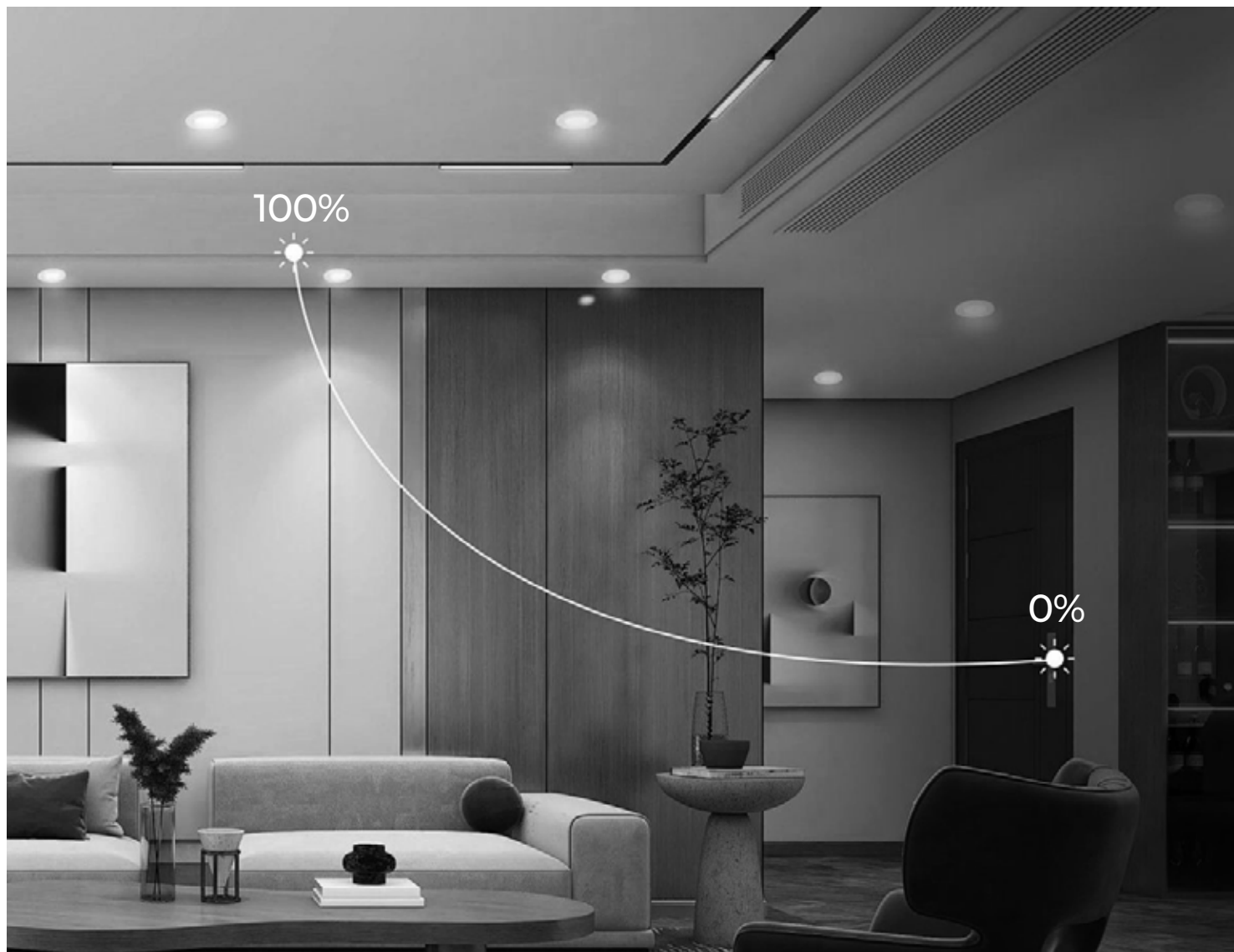
Precise light, defined by you

Modular, adjustable downlight with excellent heat dissipation for precise, comfortable lighting, It can achieve a beam angle variation from 15°-45° and a swing angle of 0-15°, replacement of various face rings.



Color temperature stepless adjustment

2700K (warm light) to 5000K (natural light), freely adjustable to meet different ambient lighting needs;



Smooth Light Control

- Multiple dimming protocols available: Configurable as TRIAC dimming, 0-10V dimming, or TRIAC/0-10V compatible dimming, seamlessly integrating with mainstream dimming systems on the market to enhance user experience and ambiance.



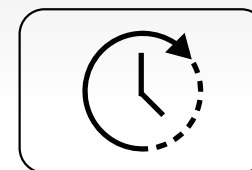
Spring clip:
Metal stainless steel

Die-cast aluminum
heatsink

Gasket:
White EVA

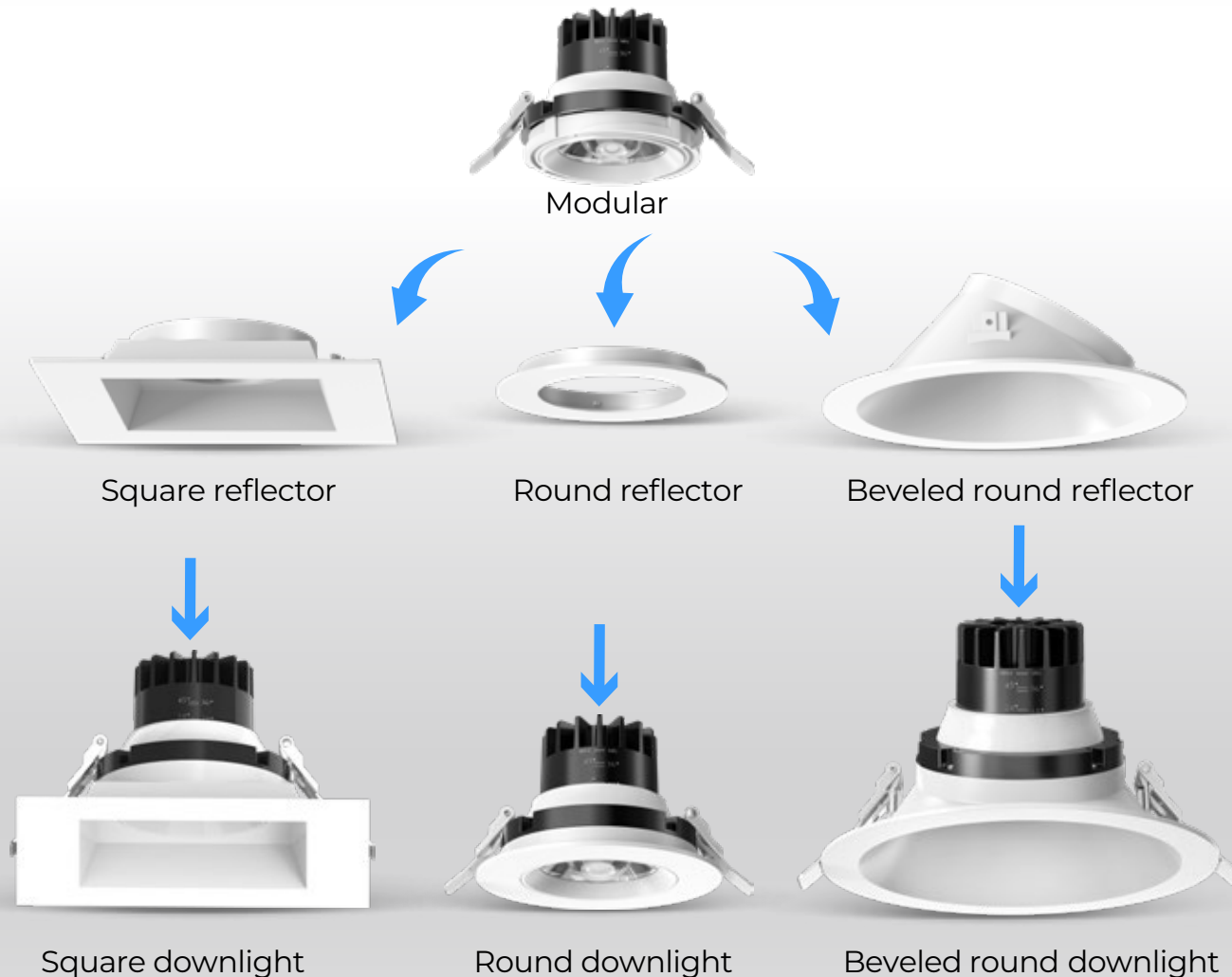
Superior Heat Dissipation for Lasting Performance

- Integrated die-cast aluminum heatsink: High-quality die-cast aluminum creates an efficient thermal path, significantly enhancing heat dissipation.
- Effectively lowers LED junction temperature, extends lifespan, ensures stable light output, minimizes lumen depreciation, and delivers reliable, long-term performance.



50,000 hours
Long lifespan

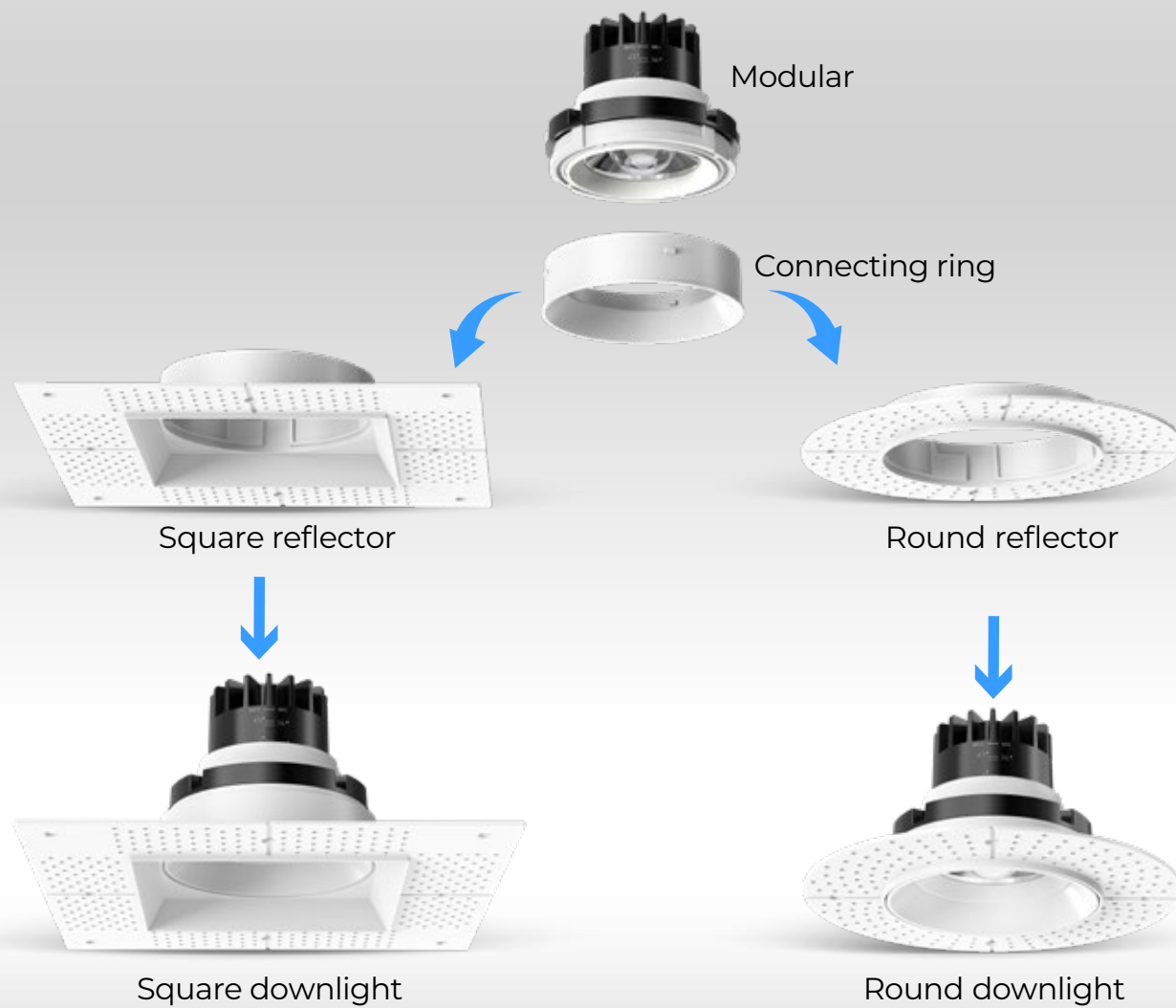
1. Recessed Downlight



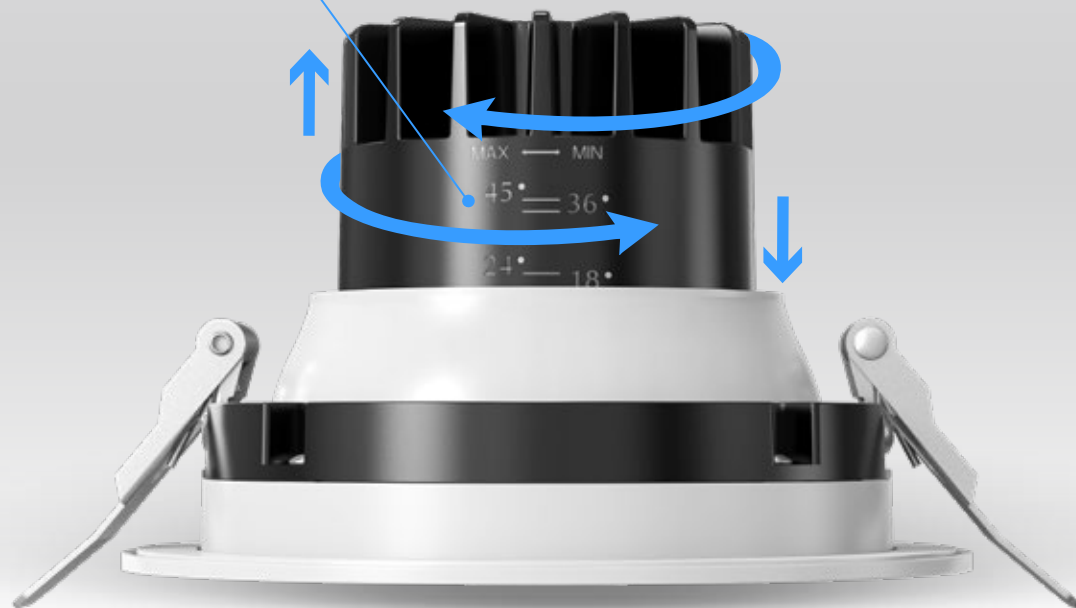
Modular Design, Versatile and Compatible

- Innovative quick-release outer ring system: Features a unique modular design allowing the lamp body and decorative ring to be easily separated and combined.
- Interchangeable face rings: Simply swap different style outer rings (e.g., square, round, beveled) to quickly adapt to various interior styles, enabling "one light, multiple looks" and significantly reducing inventory needs.

2. Pre-embedded Downlight

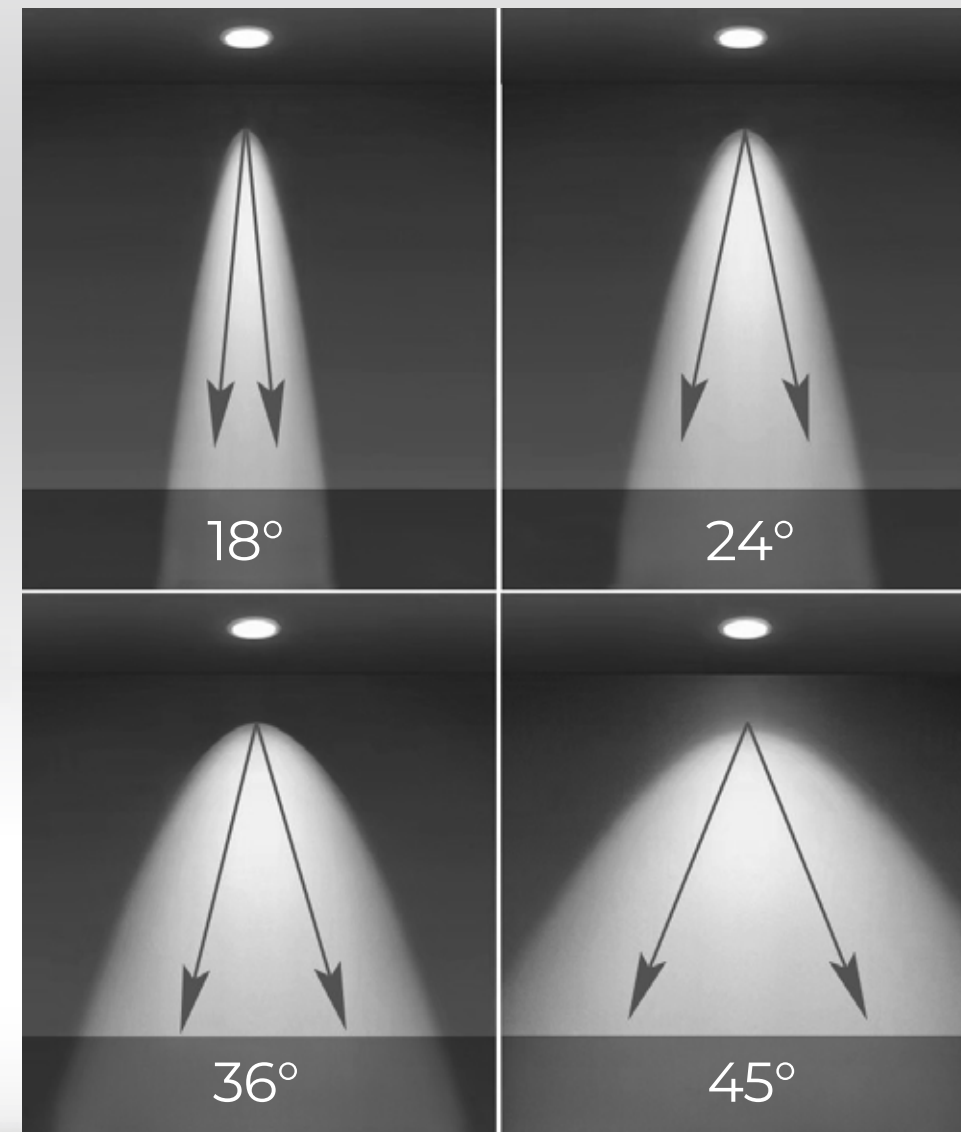


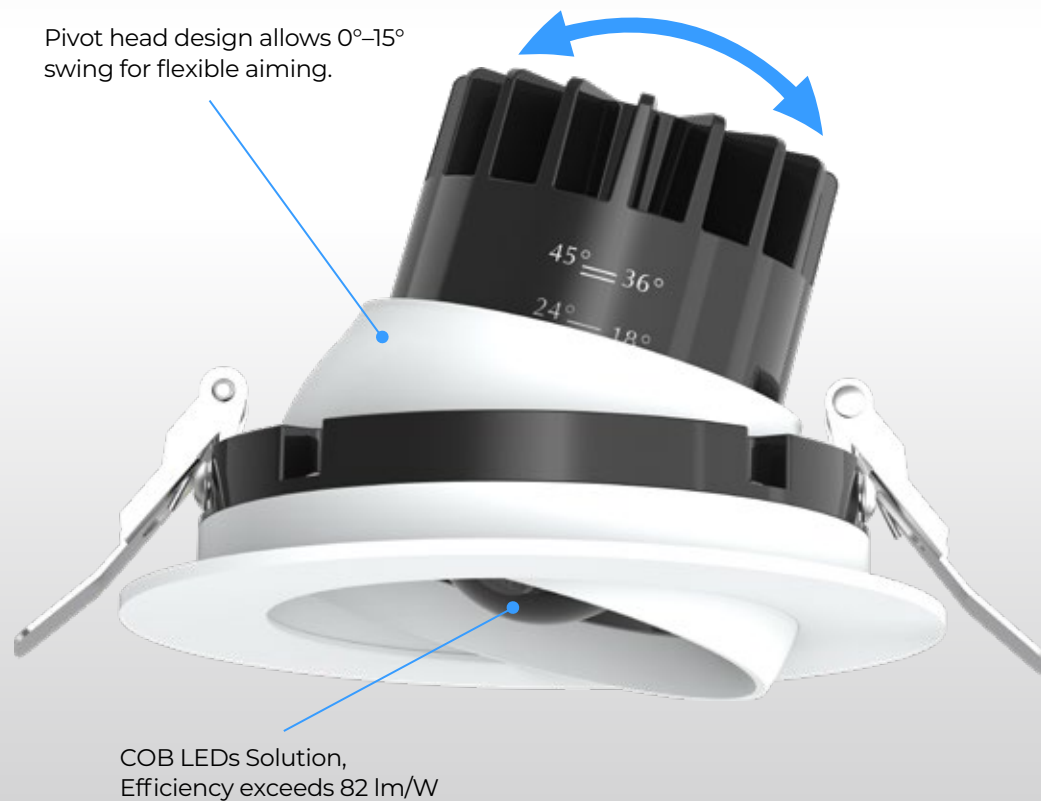
Rotate to adjust the radiator height, control the beam angle of the lamp, 4 scales and 4 angles: 18°, 24°, 36°, 45°



Multi-angle precise focusing, flexible light focusing

- Adjustable beam angle from 18° to 45° for precise, flexible lighting. One fixture replaces multiple SKUs ideal for accent, wall washing, and general lighting reducing inventory and simplifying procurement.





Horizontal rotation for precise aiming

- 0° to 15° horizontal adjustment for precise aiming. Easily redirect light to artwork or key areas after installation simple and flexible.

Parameters | 2.5inch

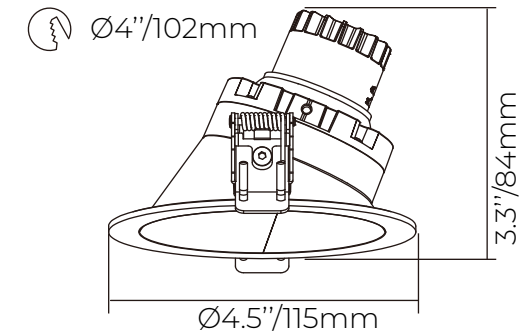
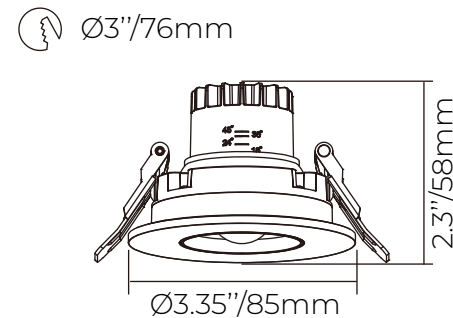
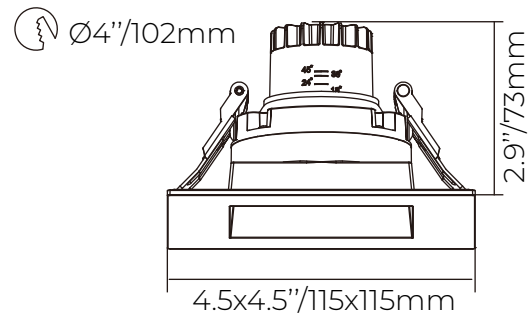
Model	CCT	Luminous flux (lm±10%)	Beam angle	LEDs type	CRI	PF	Power	Voltage	Work Temperature
DL301-2.5xx- 9W-5CCT-R90	2700K	610	18°	Double Color COB1307	Ra>90	>0.9	9W	AC120V, 50/60Hz	-20°C~40°C
	3000K	640							
	3500K	695							
	4000K	710							
	5000K	695							
	2700K	630	24°	Double Color COB1307	Ra>90	>0.9	9W	AC120V, 50/60Hz	-20°C~40°C
	3000K	685							
	3500K	740							
	4000K	800							
	5000K	785							
	2700K	665	36°	Double Color COB1307	Ra>90	>0.9	9W	AC120V, 50/60Hz	-20°C~40°C
	3000K	725							
	3500K	790							
	4000K	810							
	5000K	795							
	2700K	675	45°	Double Color COB1307	Ra>90	>0.9	9W	AC120V, 50/60Hz	-20°C~40°C
	3000K	740							
	3500K	810							
	4000K	835							
	5000K	815							

Parameters | 4inch

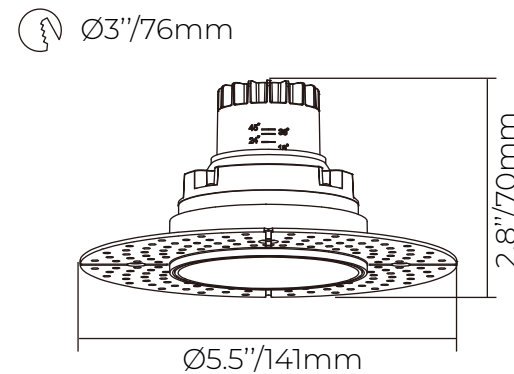
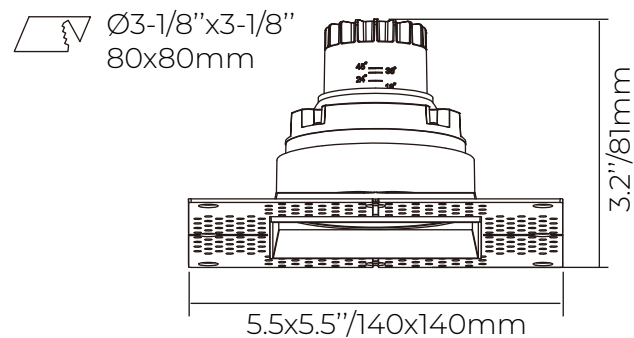
Model	CCT	Luminous flux (lm±10%)	Beam angle	LEDs type	CRI	PF	Power	Voltage	Work Temperature
DL301-4XX- 12W-5CCT-R90	2700K	775	18°	Double Color COB1510	Ra>90	>0.9	12W	AC120V, 50/60Hz	-20°C~40°C
	3000K	830							
	3500K	880							
	4000K	905							
	5000K	910							
	2700K	780	24°	Double Color COB1510	Ra>90	>0.9	12W	AC120V, 50/60Hz	-20°C~40°C
	3000K	840							
	3500K	900							
	4000K	935							
	5000K	940							
	2700K	870	36°	Double Color COB1510	Ra>90	>0.9	12W	AC120V, 50/60Hz	-20°C~40°C
	3000K	935							
	3500K	1000							
	4000K	1035							
	5000K	1045							
	2700K	900	45°	Double Color COB1510	Ra>90	>0.9	12W	AC120V, 50/60Hz	-20°C~40°C
	3000K	970							
	3500K	1040							
	4000K	1075							
	5000K	1090							

Dimensions | 2.5inch

1. Recessed Downlight



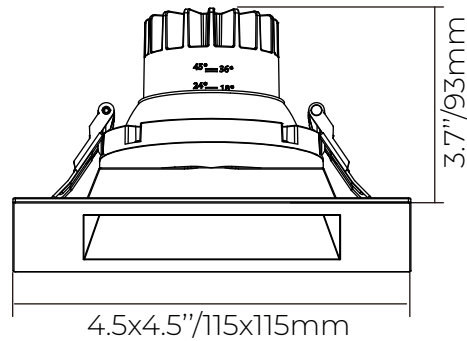
2. Pre-embedded Downlight



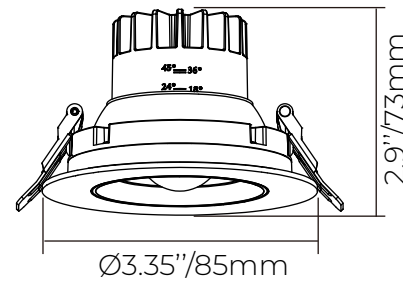
Dimensions | 4inch

1. Recessed Downlight

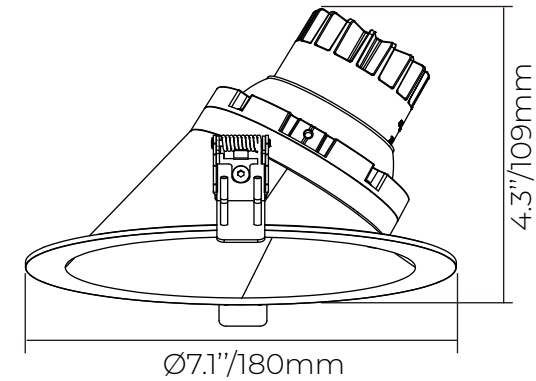
Ø6-1/8"/156mm



Ø4"/102mm

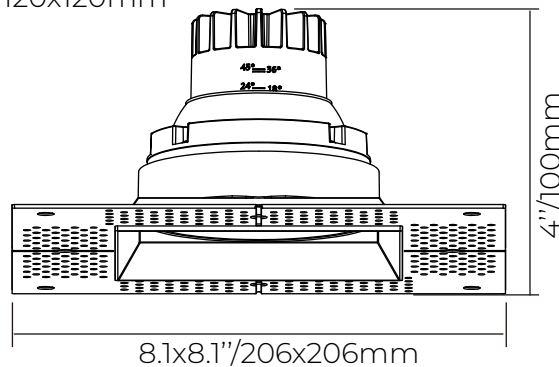


Ø6-1/4"/159mm

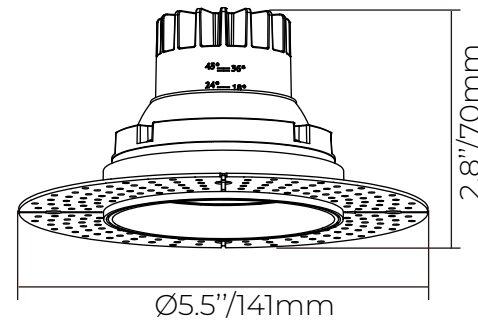


2. Pre-embedded Downlight

Ø4-3/4"x4-3/4"
120x120mm



Ø3"/76mm



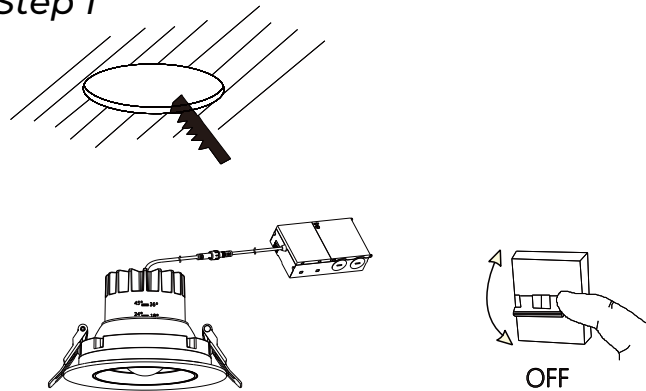
Installation diagram

1. Recessed Downlight

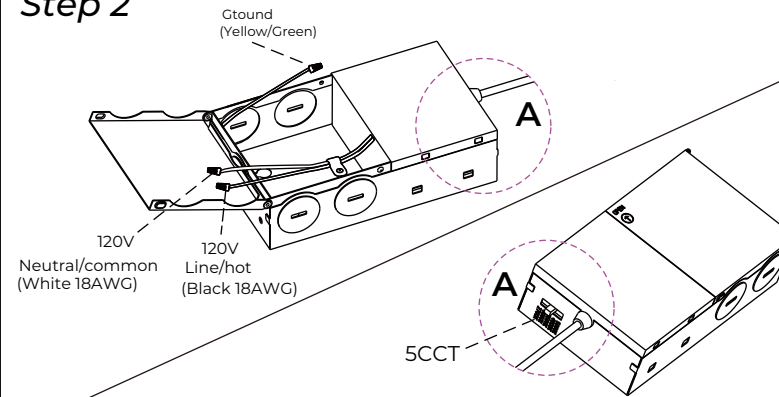
type	2.5RS	2.5SQ	2.5RW
Mounting			
Hole (Ø)	3"/76mm	4"/102mm	4"/102mm

type	4RS	4SQ	4RW
Mounting			
Hole (Ø)	4" 102mm	6-1/8" 156mm	6-1/4" 159mm

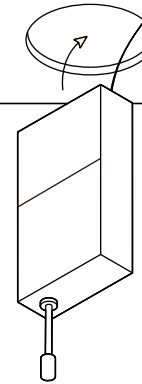
Step 1



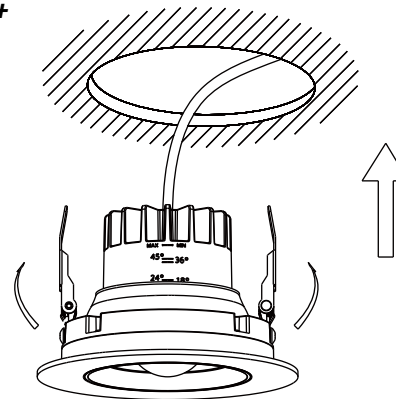
Step 2



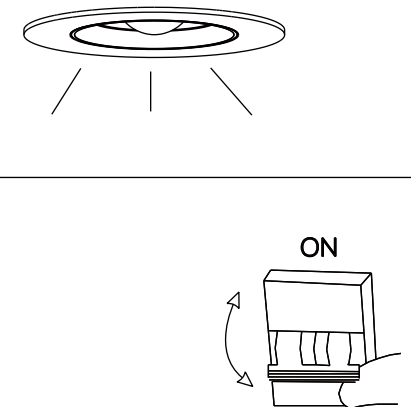
Step 3



Step 4



Step 5



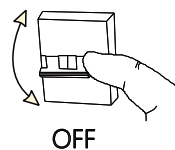
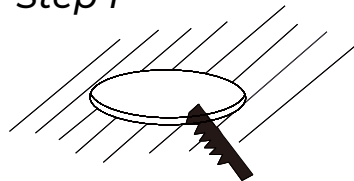
Installation diagram

2. Pre-embedded Downlight

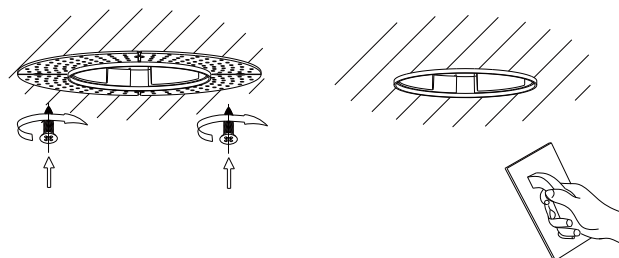
type	2.5RF	2.5SF
Mounting		
Hole (Ø)	3"/76mm	3-1/8"x3-1/8" 80x80mm

type	4RF	4SF
Mounting		
Hole (Ø)	4" 102mm	4-3/4"x4-31/4" 120x120mm

Step 1

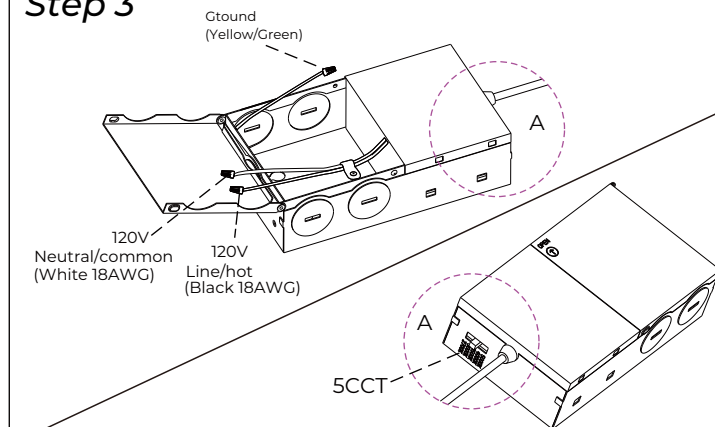


Step 2



As shown in the figure: Use screws to pass through the mesh to install the bracket, and fix the embedded parts. Use decoration materials to decorate, fill in the side seams and gypsum board screw heads;

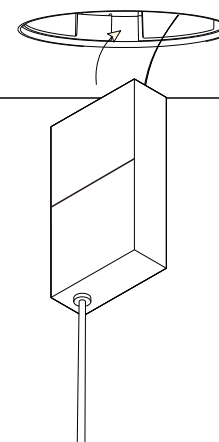
Step 3



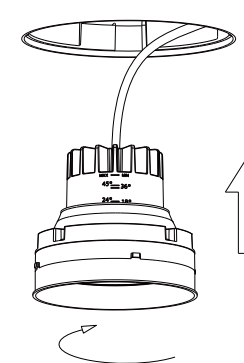
Step 4



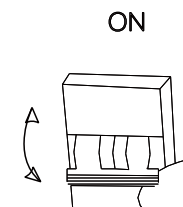
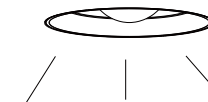
Step 5



Step 6



Step 7



Package

Model	Inner Box/Size	Carton/Size	N.W/Carton	G.W/Carton	Qty/Inner Box	Qty/Carton
DL301-2.5RS	180*130*128mm	570*550*415mm	0.37KG	18KG	1PCS	36PCS
DL301-2.5SQ	180*130*128mm	570*550*415mm	0.42KG	20.2KG	1PCS	36PCS
DL301-2.5RW	210*180*128mm	570*450*415mm	0.41KG	10.8KG	1PCS	18PCS
DL301-2.5RF	155*155*115mm	650*495*380mm	0.42KG	19.8KG	1PCS	36PCS
DL301-2.5SF	155*155*115mm	650*495*380mm	0.44KG	19.8KG	1PCS	36PCS
DL301-4RS	160*160*128mm	510*510*415mm	0.60KG	20KG	1PCS	27PCS
DL301-4SQ	180*180*120mm	570*390*390mm	0.69KG	13.9KG	1PCS	18PCS
DL301-4RW	195*195*140mm	615*420*450mm	0.69KG	16KG	1PCS	18PCS
DL301-4RF	180*180*120mm	570*390*390mm	0.68KG	15.1KG	1PCS	18PCS
DL301-4SF	215*215*130mm	465*465*420mm	0.78KG	11.9KG	1PCS	12PCS

Notice

- Please read the specification first, to make sure the service environment matches the condition in the specification before using.
- Please confirm the applicable power supply before using.
- Make sure the switch of product is off before connect to the power supply to prevent electric shock.
- Operation against rules may damage your property even harm to your personal safety.
- Dangerous high voltage, Non-professionals are not allowed to maintain the products.
- If the exterior flexible cable or wire is damaged, it must exchange by the supplier, its agent or other similar qualified personnels to avoid dangers.

