



# DEEP ROOF LIGHTING



*A1 series, All in one, 3P5C, 4" 6" 8" 10", 135 LPW, CRI 90  
Recessed Commercial Downlight*

LMDR-A415-3P5C-SX



4" 7/11/15 W

LMDR-A630-3P5C-SX



6" 18/24/30 W

LMDR-A840-3P5C-SX



8" 24/32/40 W

LMDR-A1045-3P5C-SX



10" 27/36/45 W

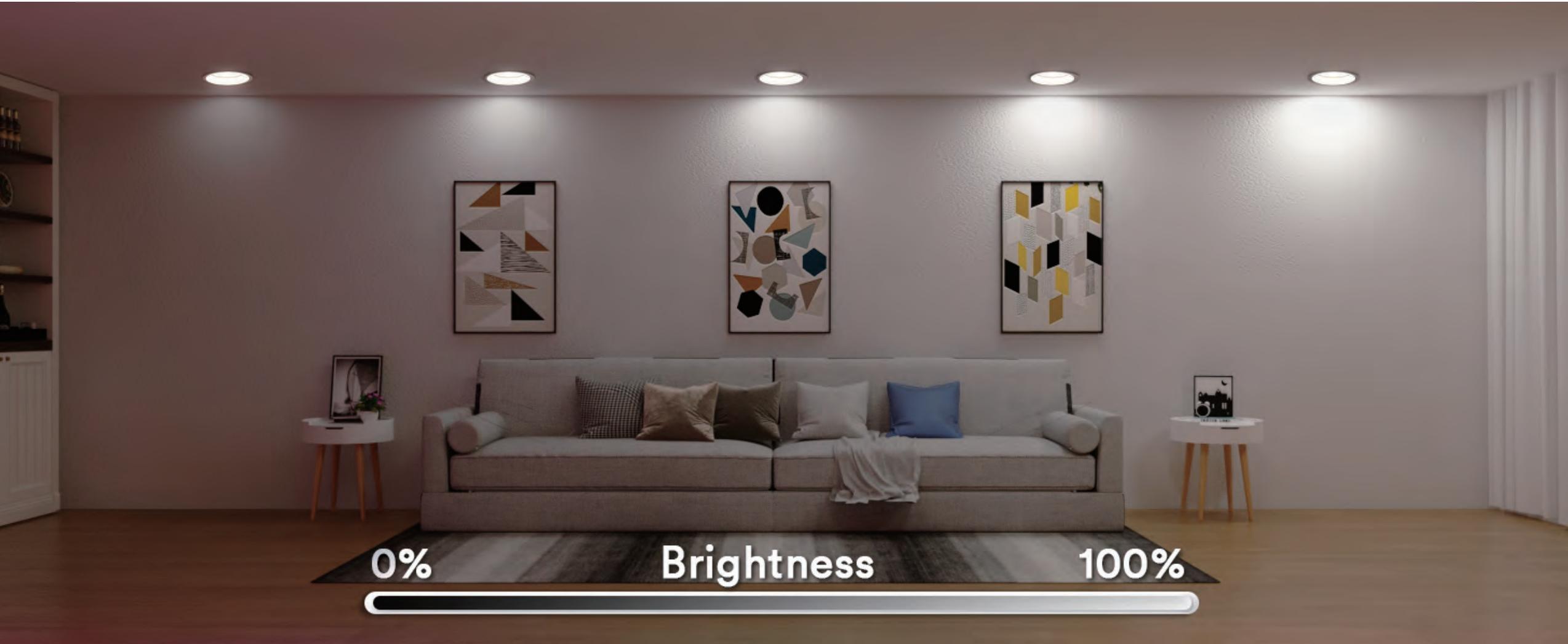
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2700K 3000K 3500K 4000K 5000K 0% 100%



## Color temperature stepless adjustment:

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



## Brightness dimming:

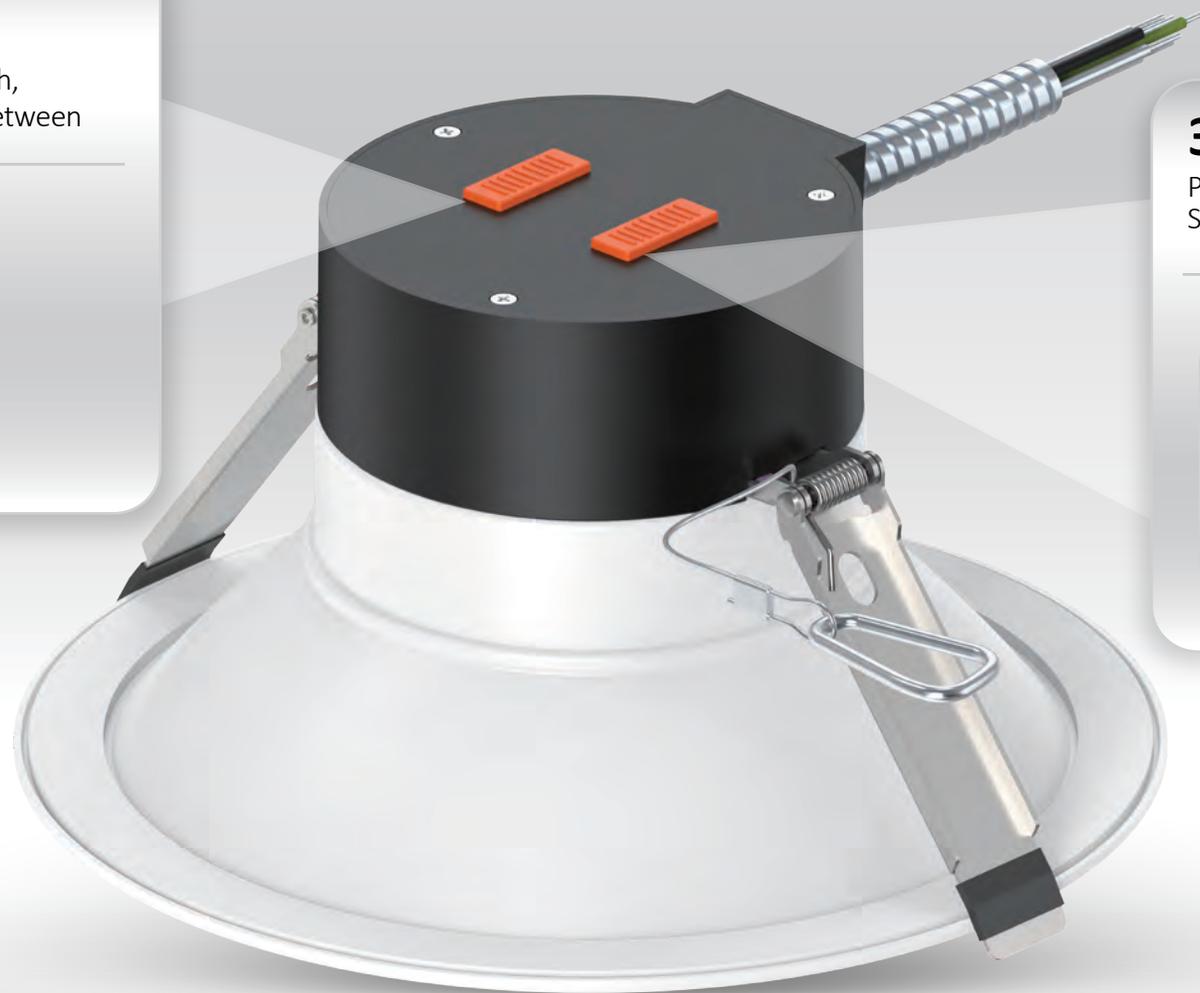
0%~100% continuously adjustable, precisely matching various lighting scenarios;

## 5CCT tunable

Color Select Adjustment Switch,  
Set dip switch to adjust CCT between

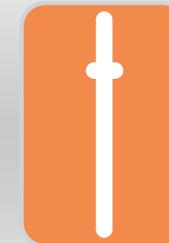


2700K  
3000K  
3500K  
4000K  
5000K



## 3 wattage selectable

Power Select Adjustment Switch,  
Set dip switch to adjust wattage between



<i>6inch</i>	<i>8inch</i>	<i>10inch</i>
18W	24W	27W
24W	32W	36W
30W	40W	45W

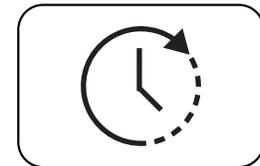


## Efficient Heat Dissipation & Durable Structure

- Aluminum housing with options for a smooth surface or louver design, featuring a white surface treatment that combines excellent heat dissipation performance with a modern aesthetic appearance.
- Installation: Recessed mounting, compatible with standard ceiling cutouts.
- Integrated Driver Housing: Integrated design for a clean, sleek appearance and easy wiring.
- IC Rated for insulation contact;
- Operating Temperature: -4°F~104°F(-20°C~ 40°C);



## Large light-emitting surface and uniform light output



50,000 hours  
Long lifespan

## Parameters

### LMDR-A630-3P5C-SX

Model	CCT	Luminous flux (lm±10%)	Beam angle	LEDs type	CRI	PF	Power	Voltage	Work Temperature
	2700K	2250	90°	SMD2835	Ra>90	/	18W	100-277V,347V, 50/60Hz	-20℃ ~ 40℃
	3000K	2340							
	3500K	2430							
	4000K	2430							
	5000K	2340							
DL107K-6-30W -3P5C-R90-00ZZ	2700K	3000	90°	SMD2835	Ra>90	/	24W	100-277V,347V, 50/60Hz	-20℃ ~ 40℃
	3000K	3120							
	3500K	3240							
	4000K	3240							
	5000K	3120							
	2700K	3450	90°	SMD2835	Ra>90	>0.9	30W	100-277V,347V, 50/60Hz	-20℃ ~ 40℃
	3000K	3600							
	3500K	3750							
	4000K	3750							
	5000K	3600							

## Parameters

### LMDR-A840-3P5C-SX

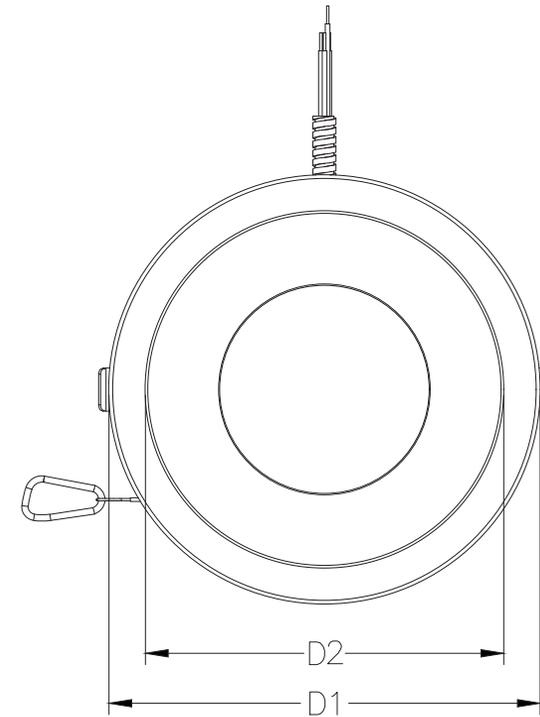
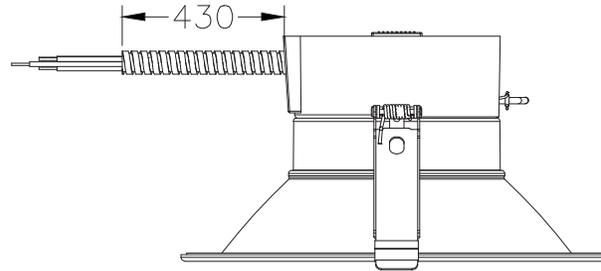
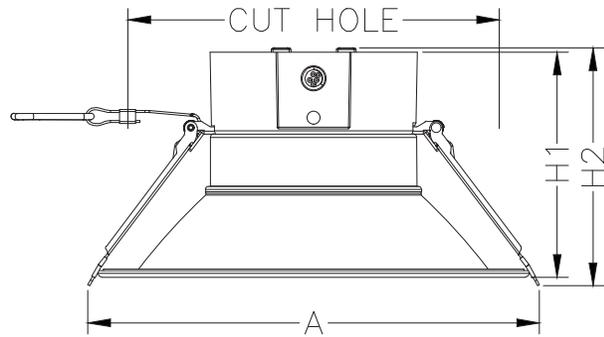
Model	CCT	Luminous flux (lm±10%)	Beam angle	LEDs type	CRI	PF	Power	Voltage	Work Temperature
	2700K	3000	100°	SMD2835	Ra > 90	/	24W	100-277V,347V, 50/60Hz	-20℃ ~ 40℃
	3000K	3120							
	3500K	3240							
	4000K	3240							
	5000K	3120							
DL107K-8-40W -3P5C-R90-00ZZ	2700K	4000	100°	SMD2835	Ra > 90	/	32W	100-277V,347V, 50/60Hz	-20℃ ~ 40℃
	3000K	4160							
	3500K	4320							
	4000K	4320							
	5000K	4160							
	2700K	4600	100°	SMD2835	Ra > 90	> 0.9	40W	100-277V,347V, 50/60Hz	-20℃ ~ 40℃
	3000K	4800							
	3500K	5000							
	4000K	5000							
	5000K	4800							

## Parameters

### LMDR-A1045-3P5C-SX

Model	CCT	Luminous flux (lm±10%)	Beam angle	LEDs type	CRI	PF	Power	Voltage	Work Temperature
	2700K	3375	100°	SMD2835	Ra > 90	/	27W	100-277V,347V, 50/60Hz	-20℃ ~ 40℃
	3000K	3510							
	3500K	3645							
	4000K	3645							
	5000K	3510							
DL107K-10-45W -3P5C-R90-00ZZ	2700K	4500	100°	SMD2835	Ra > 90	/	36W	100-277V,347V, 50/60Hz	-20℃ ~ 40℃
	3000K	4680							
	3500K	4860							
	4000K	4860							
	5000K	4680							
	2700K	5175	100°	SMD2835	Ra > 90	> 0.9	45W	100-277V,347V, 50/60Hz	-20℃ ~ 40℃
	3000K	5400							
	3500K	5625							
	4000K	5625							
	5000K	5400							

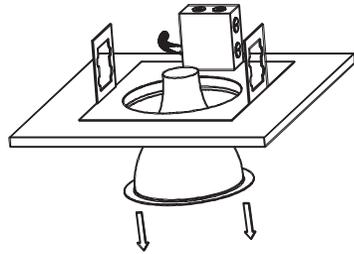
## Dimensions



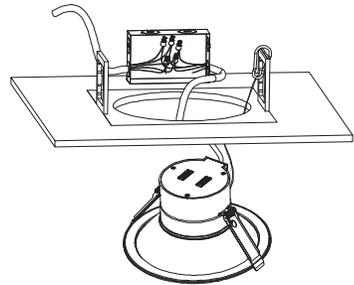
Model	Size	D1 (Trim Dim)	D2 (Luminous Dim)	A (Total Width)	H1 (Total Height)	H2 (Height Assembled)	Cut Hole Dim
LMDR-A630-3P5C-SX	6" Round	198mm	150mm	210.5mm	110mm	120.5mm	158mm
LMDR-A840-3P5C-SX	8" Round	238mm	198mm	249mm	124.5mm	131mm	205mm
LMDR-A1045-3P5C-SX	10" Round	286mm	241mm	300	134.5	141mm	254mm

# Mounting steps retrofit installation

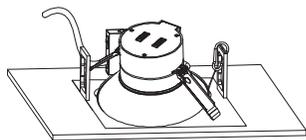
Note: Turn Off electricity at main fuse box (or circuit breaker box) before beginning installation.



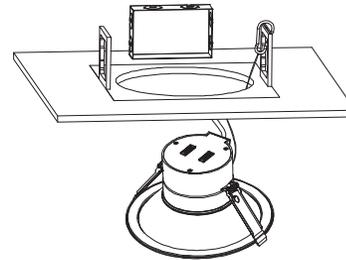
**1.** Remove existing lamp and reflector. Measure the ceiling opening and ensure the edge of the new luminaire will cover the entire hole.



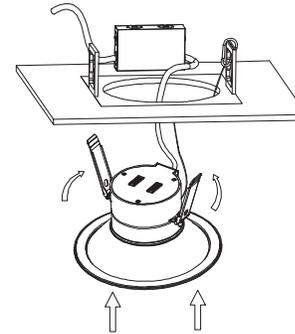
**3.** Connect the AC main power to the fixture's input leads. Insert the fixture conduit into the J-box and wire to the power source (black to hot, white to neutral, violet to 0-10V dimming positive, gray to 0-10V dimming negative). Reattach the J-box when completed.



**5.** Once the fixture is in the ceiling, release the spring clips and push the fixture up into the ceiling until it is securely fixed and flush to the ceiling.



**2.** Attach the carabiner safety lanyard to the existing fixture housing. Remove the junction box face plate and disconnect the wiring from the existing ballast.



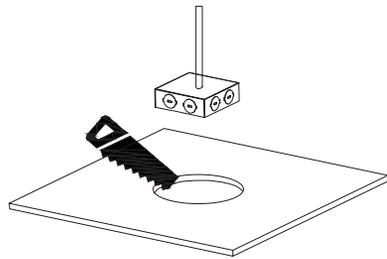
**4.** Bend spring clips upwards, such that they are in an upright position, and insert fixture into the ceiling and housing.



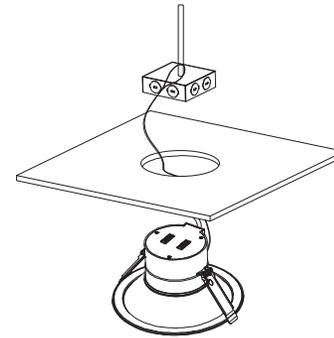
**6.** Restore the power at the source and the installation is complete.

# Mounting steps new construction installation

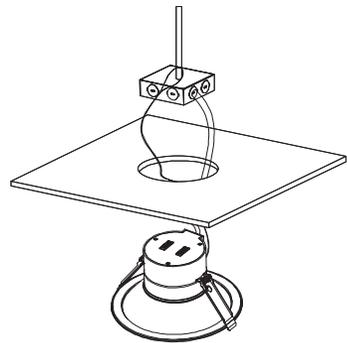
Note: Turn off electricity at main fuse box (or circuit breaker box) before beginning installation.



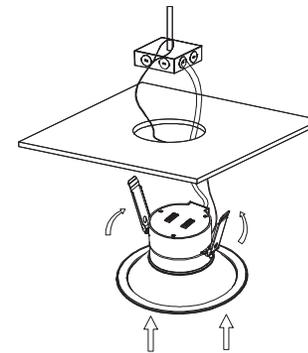
**1.** If using a new construction plate, install it in the ceiling first. If a new hole is needed, cut a hole according to the luminaire cut-out dimension.



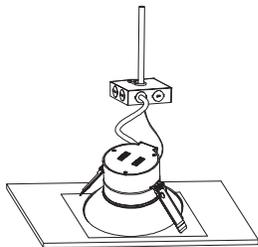
**2.** Attach the carabiner safety lanyard to secure its place inside the ceiling. Remove the junction box faceplate and disconnect wiring to the existing ballast. Remove the appropriate knock out on junction box.



**3.** Connect the AC main power to the fixture's input leads. Insert the fixture conduit into the J-box and wire to the power source (black to hot, white to neutral, violet to 0-10V dimming positive, gray to 0-10V dimming negative). Reattach the J-box when completed.



**4.** Bend spring clips upwards, such that they are in an upright position, and insert fixture into the ceiling and housing.



**5.** Once the fixture is in the ceiling, release the spring clips and push the fixture up into the ceiling until its securely fixed and flushed to the ceiling.



**6.** Restore the power at the source and the installation is complete.

## Package

Model	Inner Box/Size	Qty/Unit	N.W/Unit	Caton/Size	Qty/Carton	N.W/Carton	G.W/Carton
LMDR-A630-3P5C-SX	214*214*134mm	1PCS	0.58KG	446*445*423mm	12PCS	6.96KG	10.41KG
LMDR-A840-3P5C-SX	255*255*145mm	1PCS	0.68KG	528*527*456mm	12PCS	8.16KG	13.12KG
LMDR-A1045-3P5C-SX	303*303*155mm	1PCS	0.77KG	624*623*326mm	8PCS	6.16KG	10.89KG

## 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.

