



LED DOWN LIGHT

CL113

Introduction



◀ CL113 is a recessed commercial down light which can achieve modular splicing, It adopts brand COB chip and high reflective rate reflector ; ADC12 Aluminum heat sink with multiple layers provides excellent thermal management; the module can be adjusted from any directions to 30 degrees, practical for accent lighting and decorative lighting.

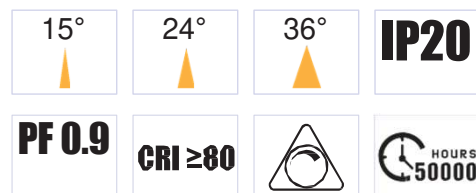
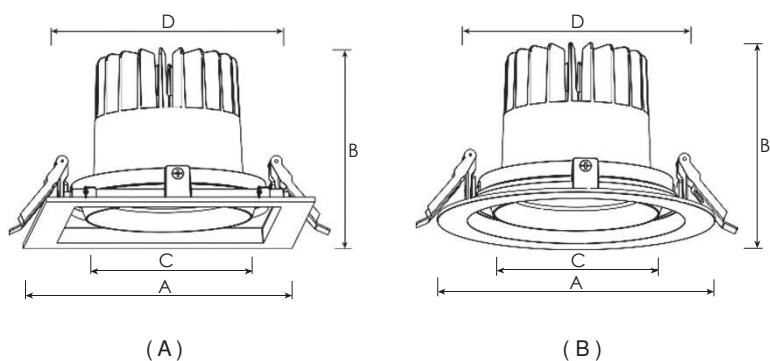
Features

- 1.Modular splicing.
2. Triac dimming, 0-10V dim, DALI dim both available.
3. Reflector beam angle changeable.
- 4.Module lighting directions adjusted to 30 degrees in any orientations.
5. Choice of 2700K, 3000K, 4000K, 5000K CCT.
6. Lifetime exceeds 50,000 hrs.

Application Areas

It is designed for general lighting applications in office, supermarket, shop, school, hotel, etc. It is also widely used for public areas, such as stairway, lobby, reception, corridors etc.





Measurement

Model	Dimension(mm)				Size(mm)	Product Weight (Kg)		Package weight (Kg)		Carton Size(cm)	Qty/CTN	20GP (pcs)	40HQ (pcs)
	A	B	C	D		N.W/PC	G.W/PC	N.W/CTN	G.W/CTN				
A	175	110	106	147	175*175*110	0.83	19.92	1.05	20.5	63*42.5*41.5	18	4050	9720
B	180	110	106	147	Ø180*110	0.79	18.96	0.93	18.3	57*38.5*41.5	18	5400	12960

Technical Data Sheet

Model No.		CL113A-6-25W	CL113A-6-35W	CL113B-6-25W	CL113B-6-35W
Watt(W)		25W	35W	25W	35W
Dimension(mm)		175*175*110		Ø180*110	
Cutout (mm)		150-160		150-160	
Rated Input Voltage(V)		AC230V			
Input Voltage(V)		AC220-240V			
LED		COB			
SDCM		<6			
CCT(K)		2700K / 3000K / 4000K / 5000K			
"Luminous Flux (lm) ±5%	Non-DIM	2500-2750	3450-3850	2500-2750	3450-3850
	DIM	2500-2700	3450-3800	2500-2700	3450-3800
CRI		≥80			
Beam Angle (°)		15° / 24° / 36°			
LED Driver		Built-out			
DIM		Triac / DALI / 0-10V			
Protection Class		Class II			
IP Rating		IP20			
IK Rating		-			
Finishing color		White RAL 9016			
Material		Aluminum			
Lifetime (hr)		50,000h			
Glow wire test (°C)		-			
Operating Temp.(°C)		-20°C ~40°C			
Storage Temp.(°C)		-20°C ~65°C			
Installation		Recessed			
Brand Driver option		Philips, Tridonic, Meanwell			

Driver Datasheet (Non-dimmable)

Power	25W	35W
Rated Input Voltage(V)	AC230V	
Frequency	50/60Hz	
Input Voltage	AC220-240V	
Efficiency	≥85%	≥85%
Total load wattage	25W±5%	35W±5%
Power Factor	0.9	
Rated Input Current	≤0.13A	≤0.18A
Full load output voltage	DC28-40V	DC28-40V
Rated output current	650mA	850mA
Output current range	650mA±5%	850mA±5%
Power tolerance	±5%	
Current output tolerance	±5%	
Short circuit protection	PASS	
Over voltage protection	PASS	
Over temperature protection	PASS	
THD	<20% @AC230V	
Surge	1KV	
Withstand voltage	AC3750V	

Driver Datasheet (Triac Dimmable)

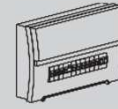
Power	25W	35W
Rated Input Voltage(V)	AC230V	
Frequency	50Hz	
Input Voltage	AC200-240V	
Efficiency	≥85%	≥85%
Total load wattage	25W±5%	35W±5%
Power Factor	0.9	
Rated Input Current	≤0.14A	≤0.2A
Full load output voltage	DC23-40V	DC23-40V
Rated output current	600mA	800mA
Output current range	600mA±5%	800mA±5%
Power tolerance	±5%	
Current output tolerance	±5%	
Dimming Range	8%-100%	
Short circuit protection	PASS	
Over voltage protection	PASS	
Over temperature protection	PASS	
THD	<20% @AC230V	
Surge	L-N 1KV	
Withstand voltage	AC3750V	

Note: DALI & 0-10V driver specification, please refer to individual driver datasheet.

Installation Procedure

WARNING

1. Switch off before installation.
2. Switch on only after complete installation and examination of the circuit.
3. Professional electrician for installation and maintenance only.

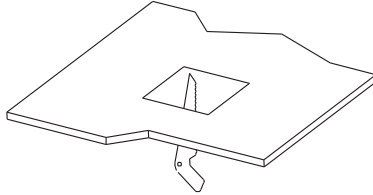


Turn Off
Power Supply

Turn Off power supply before starting any installation. Read instructions & check you have all the tools & accessories to complete the installation correctly.

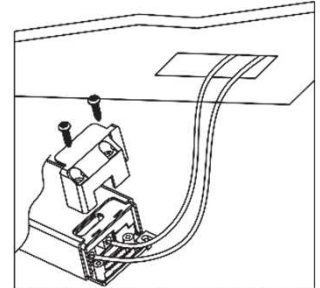
■ Surface Mounted Installation Only

Step 1



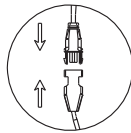
Make a proper cutout (150*150mm~160*160mm) on the ceiling.

Step 2

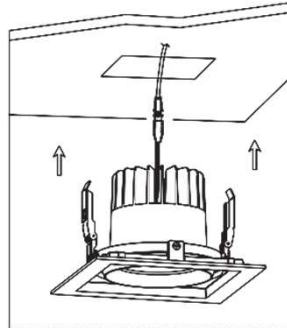


Connect the wires correspondingly.

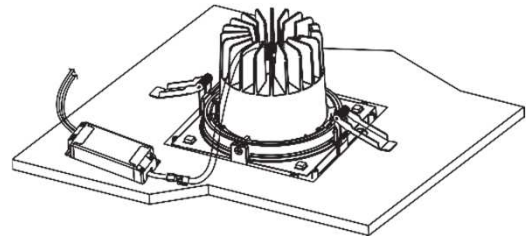
Step 3



Connect the terminals between driver and lamp, insert the lamp into the ceiling.

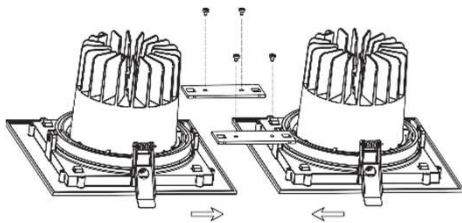


Step 4

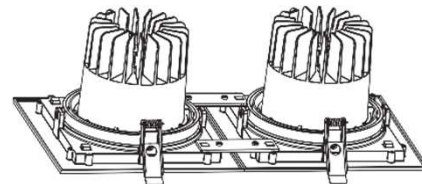


Make sure the clips match well with the ceiling, installation complete.

Splicing in rectangle

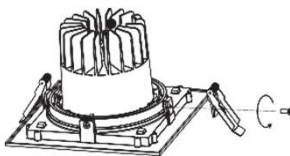


Connect the module by connection clips and fix them by screws.

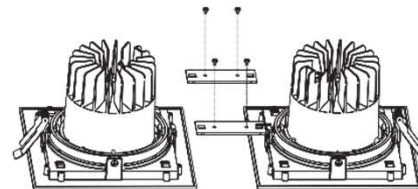


The next three, four....heads can be done in the same way.

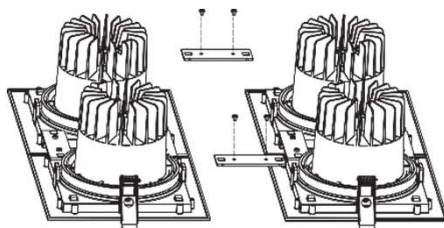
Splicing in square



Remove one of the clips on each module.



Connect the module by connection clips and fix them by screws.



Fix the two sets modules into a square one by connection clips.

