



LED Ceiling Light

ECLIPSE 08B Series

Genesis One Lighting Pty LTD
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Lanseria Corporate Estate
Lanseria
Johannesburg



Introduction

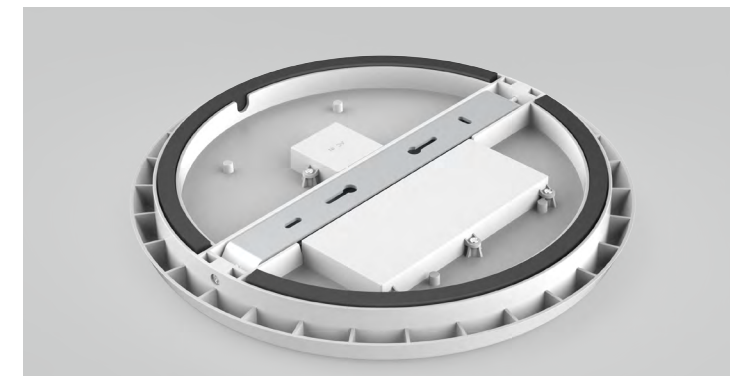
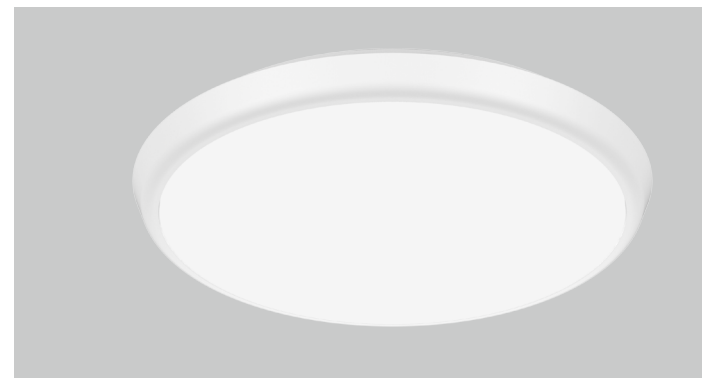
This ceiling light is a super slim design Lamp. High lumen SMD LED and lightweight fire-rated material to ensure better heat resistance and corrosion resistance. The colour is interchangeable between 3000k, 4000k and 5700k by slide switch, also dim-able with Triac dimmers. Multi-functional design are optional

Features

- High lumen efficiency
- Interchangeable CCT(3000/4000/5700k) with slide switch
- IP54 in front
- Triac dimming
- Internal driver

Application Areas

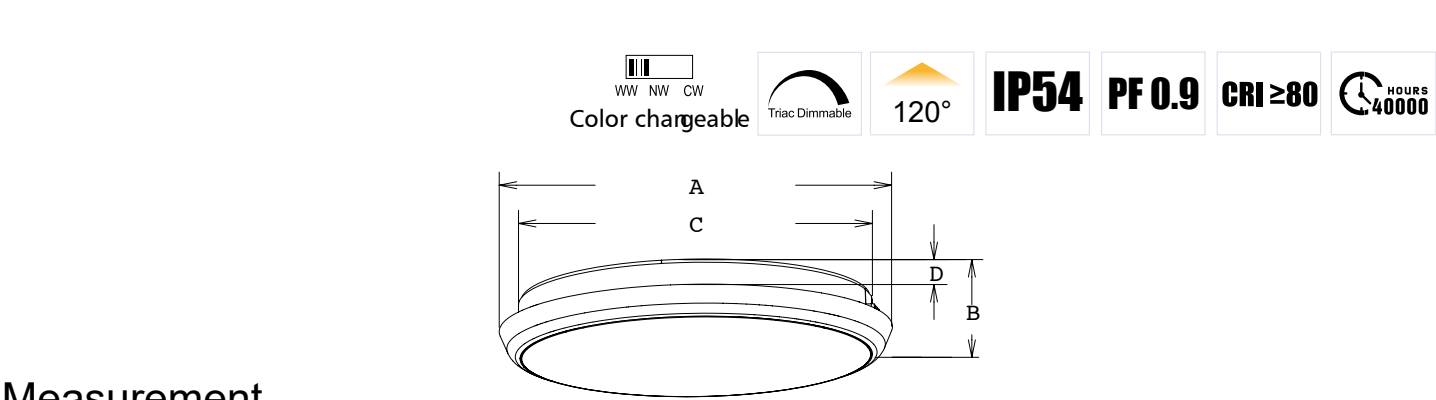
It is designed for general lighting applications in office, supermarket, shop, school, hotel, etc. It is also widely used for public areas, such as stairway, lobby, reception, corridors etc





Technical Data Sheet

Code No.			CL200N/12**008	CL250N/12**008	CL300N/18**008	CL300N/25**008	CL350N/25**008	CL400N/30**008
Dimension(mm)			Ø200*48	Ø250*48	Ø300*40	Ø300*40	Ø350*40	Ø400*52
Cutout (mm)			—	—	—	—	—	—
Watt(W)			12W	12W	18W	25W	25W	30W
Rated Input Voltage(V)			AC100-240V AC230V					
Input Voltage(V)			AC85-265V AC200-240V					
LED Module Input			—					
Light Source			SMD					
SDCM			<6 (@3000K 4000K 5000K)					
CCT(K)			1-CCT: 3000K/4000K/5000K/5700K 3-CCT: 3000K + 4000K + 5700K					
CCT Selection DIP Switch			YES					
Luminous Flux (lm) ±5%	Non-DIM	1-CCT	1080~1330	1140~1270	1720~2060	2400~2650	2480~2900	3000~3360
	DIM		1045 ~1300	1115 ~1235	1700~2050	2250~2600	2470~2890	2980~3350
	Non-DIM	3-CCT	1100 ~1330	1150~1300	1710~2000	—	—	—
	DIM		1090~1230	1100~1280	1710~1890	2450~2600	2480~2900	3000~3360
CRI			80					
Beam Angle (°)			120°					
UGR			—					
LED Driver			Built-in					
Dimming Option			Triac					
Sensor			—					
Emergency Kits			—					
Electrical Class			Class II					
Ingress Protection (IP Rating)			IP54					
Impact Resistance (IK Rating)			IK10					
Product Finishing(Base)			White RAL9016					
Materials of Optics			PC					
Materials of Housing			PC					
Lifetime (hr)			40,000h @ L70B50					
Glow wire test (°C)			750°C (Cover) 850°C (Lamp Base)					
Operating Temp. (°C)			-20°C ~45°C					
Storage Temp. (°C)			-20°C ~65°C					
Installation			Surface mounted					



Measurement

Code	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				
CL200N/12**008	200	48	172.8	16	Ø200*48mm	0.42	0.51	8.4	11.2	58*43.5*23	20PCS	10000	22240
CL250N/12**008	250	48	221	15	Ø250*48mm	0.66	0.76	13.2	16.8	60*53.5*28.5	20PCS	6040	12080
CL300N/18**008	300	40	271	13	Ø300*40mm	0.8	0.93	8	10.8	53*32.5*33.5	10PCS	4620	10780
CL300N/25**008	300	40	271	13	Ø300*40mm	0.8	0.93	8	10.8	53*32.5*33.5	10PCS	4620	10780
CL350N/25**008	350	40	321	12	Ø350*40mm	1.3	1.5	13	14.9	53*37.5*38.5	10PCS	3960	7920
CL400N/30**008	400	52	363.2	14.6	Ø400*52mm	1.4	1.7	14	18.84	63.5*43*43	10PCS	2250	5460

Driver Datasheet(Non-dimmable)

Total load wattage		12W	18W	25W	30W
Output	Output Voltage range	DC60-80V	DC60-80V	DC60-75V	DC60-75V
	Rated output current	150mA	230mA	325mA	380mA
	Line Regulation	±5%			
	Setup, Rise Time	<1S			
	Flickering Index	—			
Input	Input Voltage	AC85-265V			
	Rated Input Voltage(V)	AC100-240V			
	Frequency	50/60Hz			
	Input Current	≤0.16A	≤0.24A	≤0.33A	≤0.4A
	Rated Input Current	≤0.14A	≤0.2A	≤0.28A	≤0.34A
	Power Factor	0.9			
	THD	—	<20% @230V		
	Efficiency	≥88%			
	No load wattage	<1W			
Protection	Short circuit protection	Pass			
	Over voltage protection	Pass			
	Over temperature protection	Pass			
Safety &EMC	Withstand voltage	—			
	Isolation Resistance	—			
	Surge	IEC61000-4-5(L-N:0.5KV, L/N-PG:1KV)		IEC61000-4-5(L-N:1KV, L/N-PG:2KV)	
	EMC Emission	EN55015, EN61000-3-2			
	EMC Immunity	EN61000-4-2,3,4,5,6,8,11; EN61547			

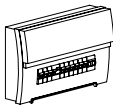
Driver Datasheet(Triac Dimmable)

Total load wattage		12W	18W	25W	30W
Output	Output Voltage range	DC65-75V	DC65-75V	DC65-75V	DC65-75V
	Rated output current	150mA	230mA	320mA	390mA
	Line Regulation	± 5%			
	Setup, Rise Time	< 1S			
	Flickering Index	—			
Input	Input Voltage	AC200-240V			
	Rated Input Voltage(V)	AC230V			
	Frequency	50Hz			
	Input Current	≤0.07A	≤0.1A	≤0.14A	≤0.17A
	Rated Input Current	0.06A	0.09A	0.13A	0.15A
	Power Factor	0.9			
	THD	—	<20% @230V		
	Efficiency	≥83%	≥83%	≥86%	≥86%
	No load wattage	<1W			
Protection	Short circuit protection	Pass			
	Over voltage protection	Pass			
	Over temperature protection	Pass			
Safety & EMC	Withstand voltage	—			
	Isolation Resistance	—			
	Surge	IEC61000-4-5(L-N:0.5KV, L/N-PG:1KV)		IEC61000-4-5(L-N:1KV, L/N-PG:2KV)	
	EMC Emission	EN55015, EN61000-3-2			
	EMC Immunity	EN61000-4-2,3,4,5,6,8,11; EN61547			

Installation Procedure

WARNING

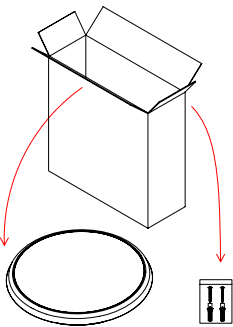
- 1.Switch off before installation / maintenance.
- 2.Switch on only after complete installation and examination of the circuit.
- 3.Professional electrician for installation and maintenance only.



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

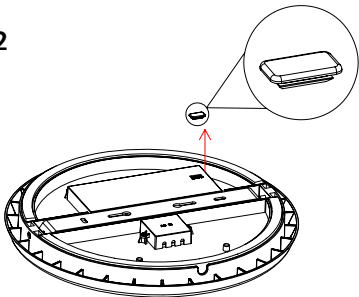
Surface mounted Installation

Step1



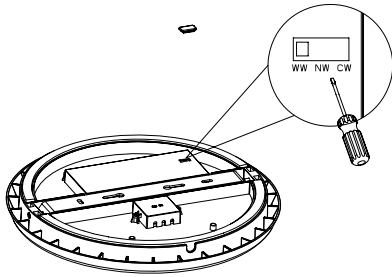
Take out ceiling light and accessory pack from box

Step2



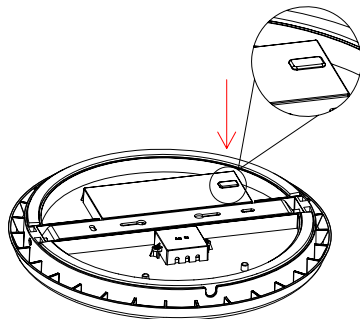
Take rubber stopper out from slide switch for color selection.

Step3



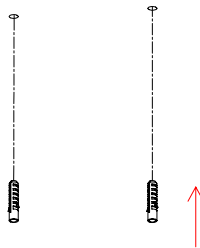
Choose color by slide switch with correspond color temperature.

Step4



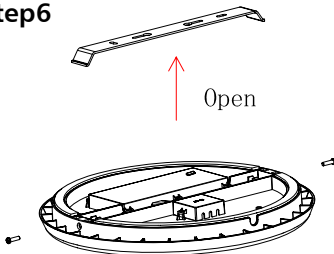
Insert rubber stopper back into slide switch properly.

Step5



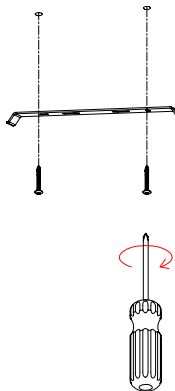
Knock-in the plastic anchor into ceiling

Step6



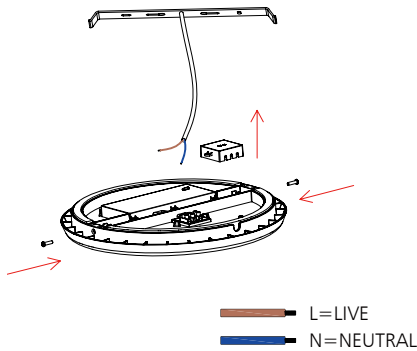
Remove screw, take out bracket

Step7



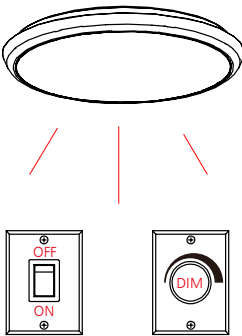
Fix bracket with screw into the ceiling

Step8



Open junction box, wire“L”“N” to terminal block and mount ceiling light into the right place

Step9



Switch on



The Professional choice in LED lighting