

Entry / ECO

Standard / STD

Professional / PRO

ODM & OEM

Intelligent / INT



2020

ECO
Specifications



LED Downlight

DL245 Series

luzon
lighting™



Introduction

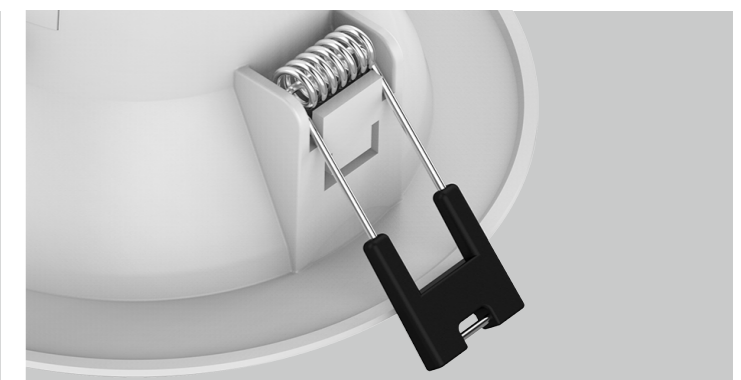
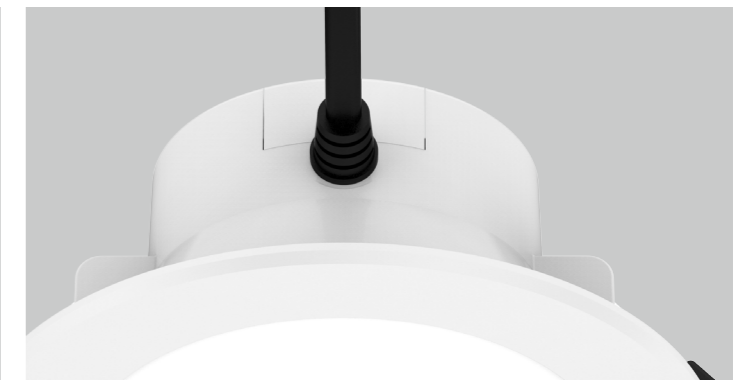
This downlight is a compact design, 2835 SMD chip and high transmittance PC cover provide a uniform lighting output. PC housing with internal driver, light weight and changeable CCT can save space. Besides, it has a convenient mounting design, which makes a quick installation and easier maintenance.

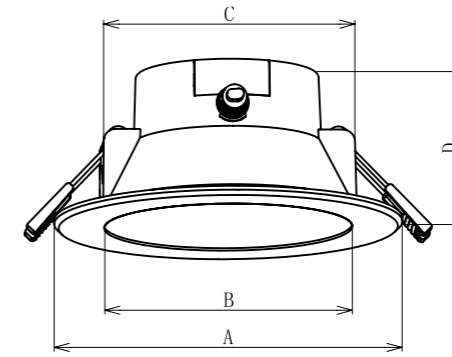
Features

- PC material with great heat dissipation.
- IP54 front waterproof.
- Interchangeable CCT (3000/4000/5700K) with slide switch.
- Internal triac dimmable driver.
- With Australia plug.

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		DL245-3-8W -P3	
Dimension(mm)	Ø115*54		
Cutout (mm)	Ø90-95		
Watt(W)	8W		
Rated Input Voltage(V)	AC230V		
Input Voltage(V)	AC200-240V		
LED Module Input	-		
Light Source	SMD		
SDCM	<6		
CCT(K)	3-CCT: 3000K+4000K+5700K		
CCT Selection DIP Switch	YES		
Luminous Flux (lm) ±5%	Non-DIM	1-CCT	-
	DIM		-
	Non-DIM	3-CCT	-
	DIM		720-800LM
CRI	≥80		
Beam Angle (°)	90°		
UGR	-		
LED Driver	Built-in		
Dimming Option	Triac		
Sensor	NO		
Emergency Kits	NO		
Electrical Class	Class II		
Ingress Protection (IP Rating)	IIP54(Below Ceiling) IP40(Inside Ceiling)		
Impact Resistance (IK Rating)	IK06		
Product Finishing(Base)	White RAL 9016		
Materials of Optics	PC		
Materials of Housing	PA/Aluminium		
Lifetime (hr)	50000		
Glow wire test (°C)	750°C		
Operating Temp. (°C)	-20°C ~45°C		
Storage Temp. (°C)	-20°C ~65°C		
Installation	Recessed		

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				
DL245-3"	115	82	84	54	Ø115*54	0.165	0.2	5	7.5	39.5*25.5*37.5	30PCS	23760	54180

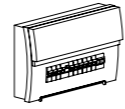
Driver Datasheet(Triac Dimmable)

Total load wattage		8W
Output	Output Voltage range	DC70-80 V
	Rated output current	95mA
	Line Regulation	±5%
	Setup, Rise Time	<0.5S
	Flickering Index	-
Input	Input Voltage	AC200-240V
	Rated Input Voltage(V)	AC230V
	Frequency	50HZ
	Input Current	<0.06A
	Rated Input Current	0.045A
	Power Factor	0.9
	THD	-
	Efficiency	>80%
	No load wattage	<0.2W
Protection	Short circuit protection	Pass
	Over voltage protection	Pass
	Over temperature protection	Pass
Safety &EMC	Withstand voltage	I/P-O/P:3.75KVac, <5mA 60S; I/P-FG:1.6KVac, <5mA 60S; O/P-FG:0.5KVac, <5mA 60S
	Isolation Resistance	I/P-O/P: 500VDC, ≥100M Ω
	Surge	IEC/EN61000-4-5(P<25W; L-N:500V);
	EMC Emission	EN55015, EN61000-3-2
	EMC Immunity	EN61000-4-2,3,4,5,6,8,11; EN61547

Installation Procedure

WARNING ⚡

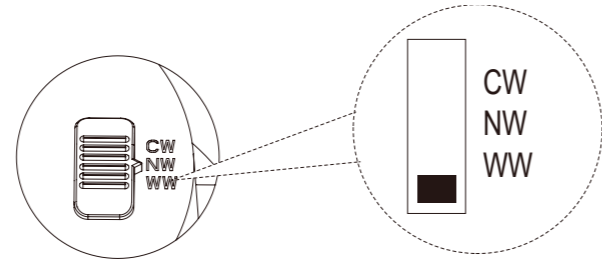
1. Switch off before installation / maintenance.
2. Switch on only after complete installation and examination of the circuit.
3. Professional electrician for installation and maintenance only.



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

Installation

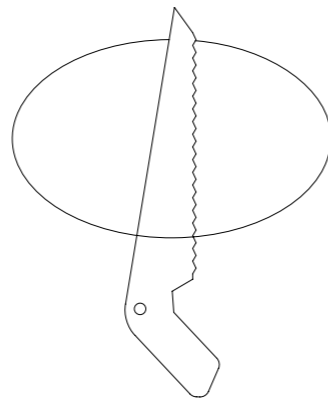
For the product with Slide Switch of Color Selection, please select the light color (CW/NW/WW) before installation.



Slide switch for color selection

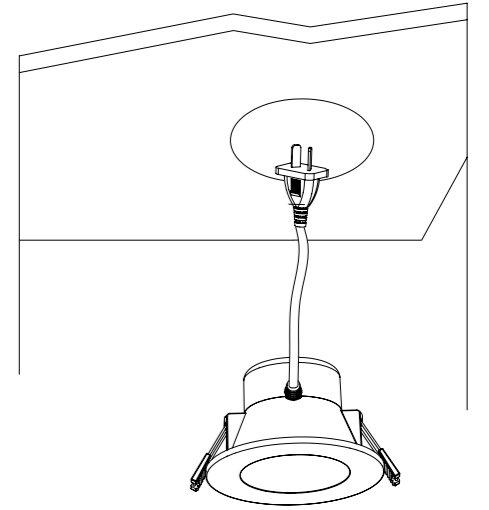
Step 1

Open a hole according to the cutout size.



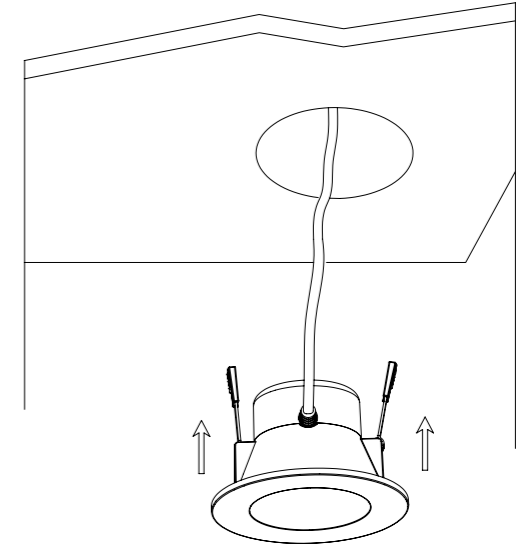
Step 2

Connect plug to the inner plugboard.



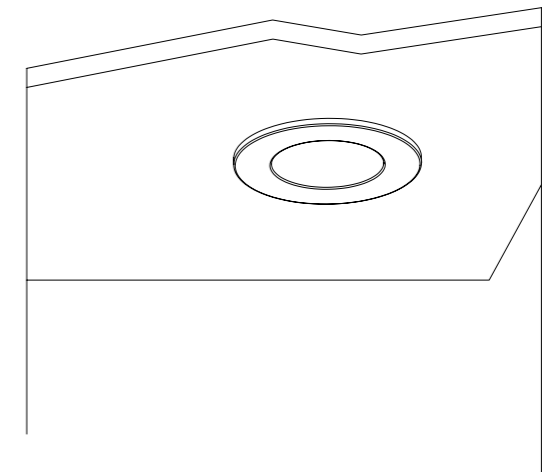
Step 3

Hold back the spring clip then push the downlight into the hole.



Step 4

Put surface cover on the lamp through magnetic power.



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