

2019

ECO
Specifications



LED Downlight

DL Multilight 16W

LEDICON



Introduction

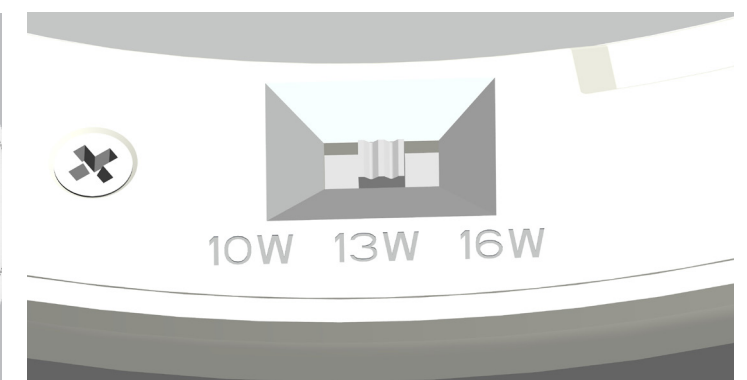
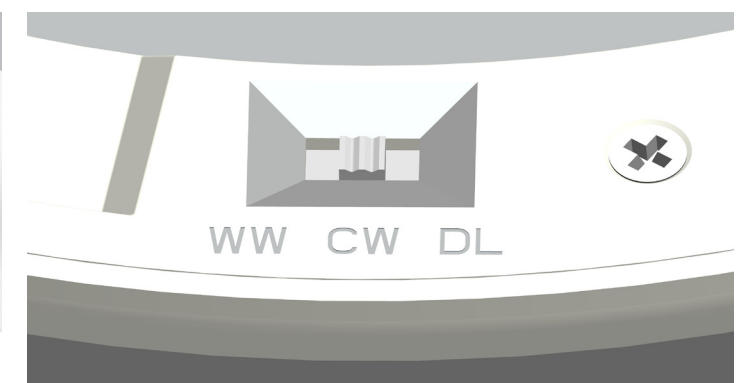
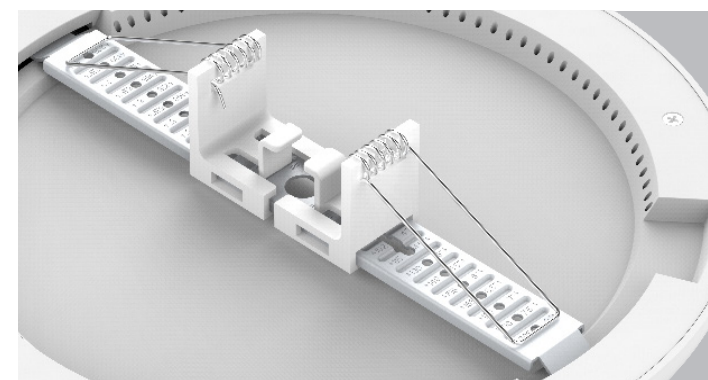
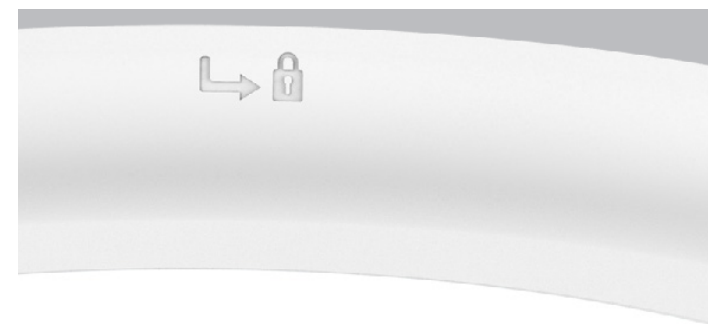
This downlight featured with adjustable cutout size. Adopt high lumen SMD LED and edge lighting design with even light output. AL1060 Aluminum profile provides excellent thermal dissipation. Super slim with internal driver, can be widely used in various application. Recessed and surface mounted installation optional.

Features

- Adjustable cutout size from 65mm to 205mm for recessed installation, more choice for replacement work
- Super slim with internal driver
- Interchangeable CCT(3000/4000/5700k)with slide switch
- Interchangeable power
- Triac dim
- Recessed and surface mounted installation

Application Areas

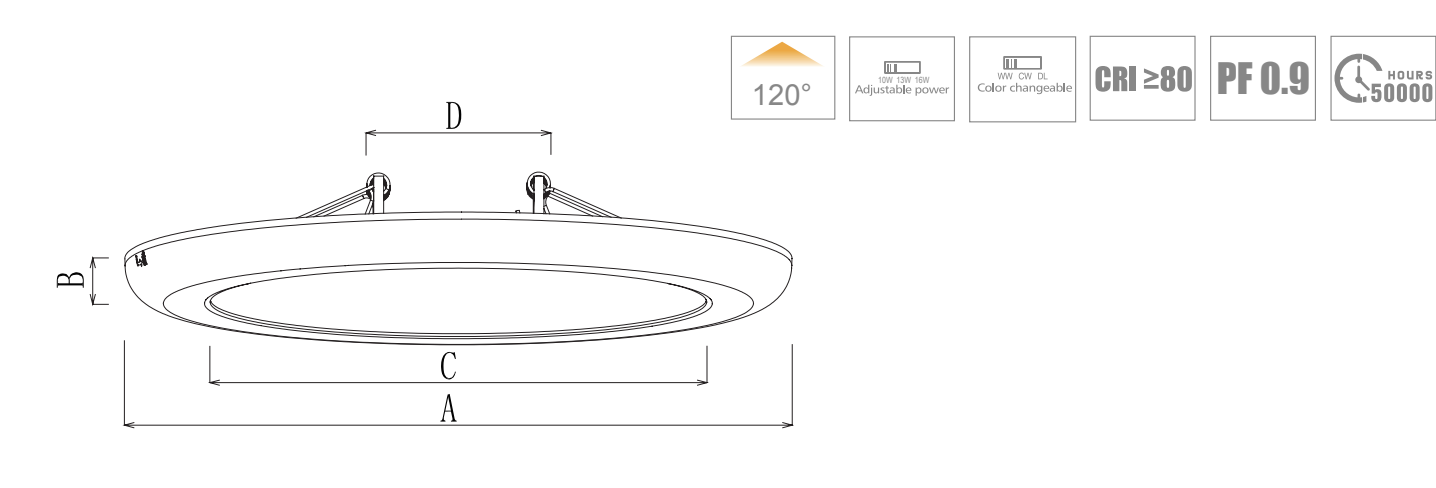
It is designed for general lighting applications in office, supermarket, shop, school, hotel, etc. It is also widely used for public areas, such as stairway, lobby, reception, corridors etc





Technical Data Sheet

Model No.			DL 16W	DL Multilight 16W
Dimension(mm)			Ø235*16	
Cutout (mm)			Ø65-Ø205	
Watt(W)			16W	10W / 13W / 16W
Rated Input Voltage(V)			AC100-240V	AC230V
Input Voltage(V)			AC85-265V	AC200-240V
LED Module Input			—	
Light Source			SMD	
SDCM			<6	
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	1500~1650	10W:950~1000 / 13W:1200~1450 / 16W:1500~1650
	DIM		1500~1650	—
	Non-DIM	3-CCT	1500~1800	10W:950~1000 / 13W:1200~1450 / 16W:1500~1800
	DIM		1500~1800	—
CRI			≥80	
Beam Angle (°)			120°	
UGR			—	
LED Driver			Built-in	
Dimming Option			Triac	
Sensor			—	
Emergency Kits			—	
Electrical Class			Class II	
Ingress Protection (IP Rating)			IP20	
Impact Resistance (IK Rating)			—	
Product Finishing(Base)			White RAL 9016	
Materials of Optics			PS	
Materials of Housing			PC/Aluminium	
Lifetime (hr)			50,000h	
Glow wire test (°C)			650°C	
Operating Temp. (°C)			-20°C ~45°C	
Storage Temp. (°C)			-20°C ~65°C	
Installation			Surface mount / Recessed	



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				
8 "	235	16	175	65-205	Ø235*16	0.36	0.52	7.2	11.4	32.5*29.*50.5	20PCS	11200	28000

Driver Datasheet (Non-Dimmable)

Total load wattage		16W
Output	Output Voltage range	DC65-78V
	Rated output current	210mA
	Line Regulation	± 5%
	Setup, Rise Time	≤0.5S
	Flickering Index	≤ 10%
Input	Input Voltage	AC85-265V
	Rated Input Voltage(V)	AC100-240V
	Frequency	50/60Hz
	Input Current	≤0.18A
	Rated Input Current	≤0.17A
	Power Factor	0.9
	THD	-
	Efficiency	≥88%
Protection	No load wattage	≤0.5W
	Short circuit protection	Pass
	Over voltage protection	Pass
Safety &EMC	Over temperature protection	Pass
	Withstand voltage	-
	Isolation Resistance	I/P-O/P: 500VDC, ≥100M Ω
	Surge	IEC61000-4-5(L-N:0.5KV,)
	EMC Emission	EN55015, EN61000-3-2
		EN61000-4-2,3,4,5,6,8,11; EN61547

Driver Datasheet (Triac Dimmable)

Total load wattage		16W
Output	Output Voltage range	DC65-78V
	Rated output current	205mA±5%
	Line Regulation	±5%
	Setup, Rise Time	≤1S
	Flickering Index	-
Input	Input Voltage	AC200-240V
	Rated Input Voltage(V)	AC230V
	Frequency	50Hz
	Input Current	≤0.09A
	Rated Input Current	0.08A
	Power Factor	0.9
	THD	≤20%
	Efficiency	≥87%
	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,)
	EMC Emission	EN55015, EN61000-3-2
		EN61000-4-2,3,4,5,6,8,11; EN61547

Driver Datasheet(A3)

Total load wattage		10W	13W	16W
Output	Output Voltage range	DC65-78V		
	Rated output current	130mA	170mA	210mA
	Line Regulation	±5%		
	Setup, Rise Time	≤0.5S		
	Flickering Index	10%		
Input	Input Voltage	AC200-240V		
	Rated Input Voltage(V)	AC230V		
	Frequency	50Hz/60Hz	50Hz/60Hz	50Hz/60Hz
	Input Current	≤0.07A	≤0.09A	≤0.09A
	Rated Input Current	0.06A	0.08A	0.08A
	Power Factor	0.7	0.7	0.9
	THD	-	-	-
	Efficiency	≥86%	≥87%	≥88%
	No load wattage	<0.5W		
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,)		
	EMC Emission	EN55015, EN61000-3-2		
		EN61000-4-2,3,4,5,6,8,11; EN61547		

Installation Procedure

WARNING ⚡

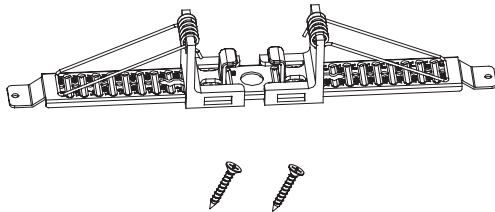
- 1.Switch off before installation / maintenance.
- 2.Switch on only after complete installation and examination of the circuit.
- 3.Professional electrician for installation and maintenance only.



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

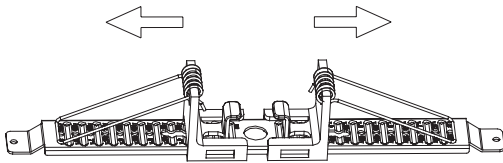
■ Surface Mounted Installation

Step 1



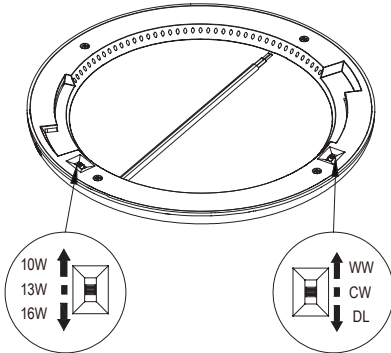
Take out the lamp and accessory pack from box.

Step 2



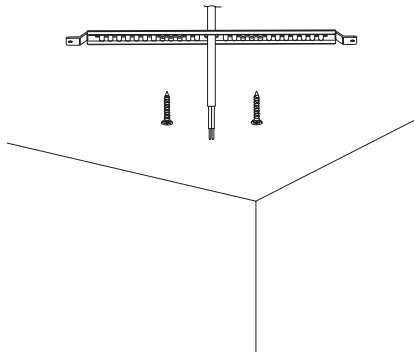
Slide the spring to the edge and remove them.

Step 3



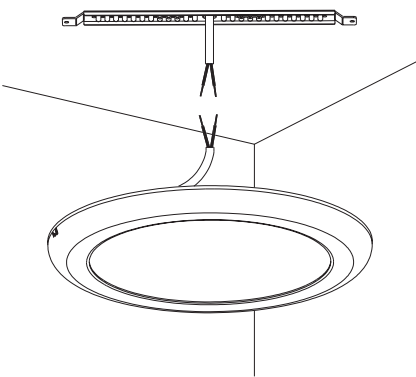
Choose preferred CCT or power by slide switch. (Ignore this step if without the function)

Step 4



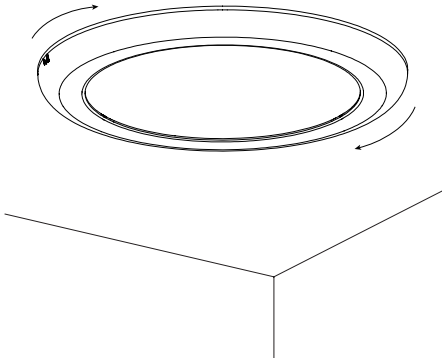
Knock-in the plastic anchor into ceiling, fix bracket with screw.

Step 5



Connect wires with L,N, and do insulation treatment.

Step 6

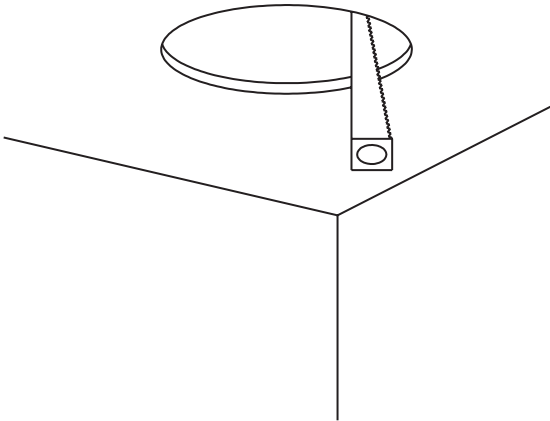


Aim the groove at the installation bracket, rotate the lamp clockwise until it is firmly fixed, turn on.

■ Recessed into ceiling

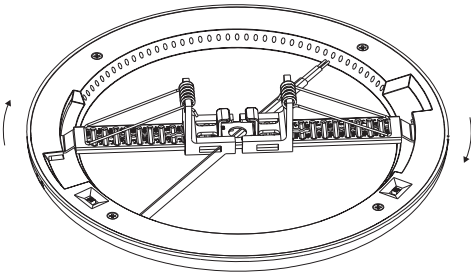
Step 1

Open a hole with size 65mm~205mm



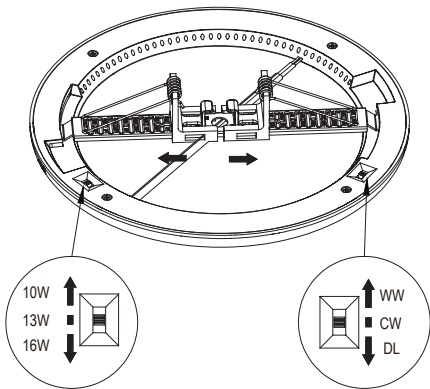
Step 2

Rotate the bracket clockwise until it fix tightly with lamp groove.



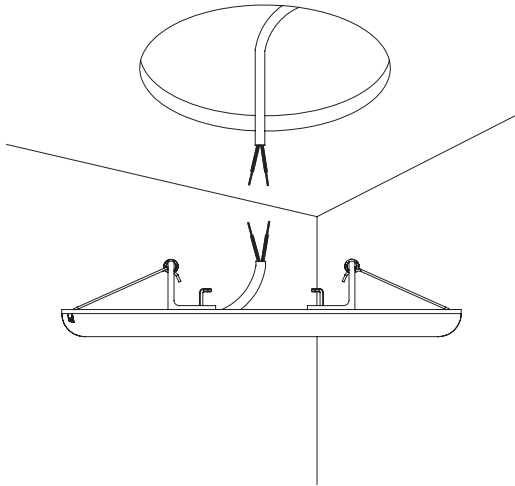
Step 3

Adjust snap to a proper cutout size;
Choose preferred CCT or power by slide switch. (Ignore this step if without the function)



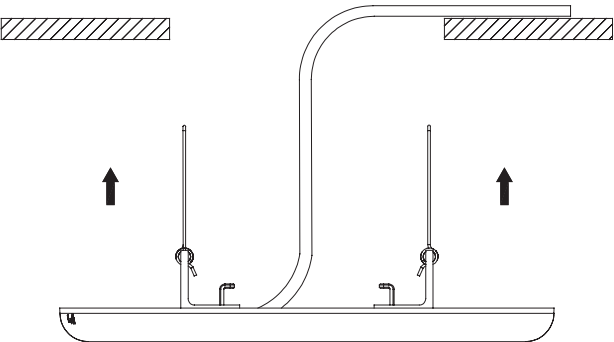
Step 4

Connect wires with L,N, and do insulation treatment.



Step 5

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



Step 6

Make sure the lamp fixed tightly, turn on.

