



LED Downlight

DL280 Series



Introduction

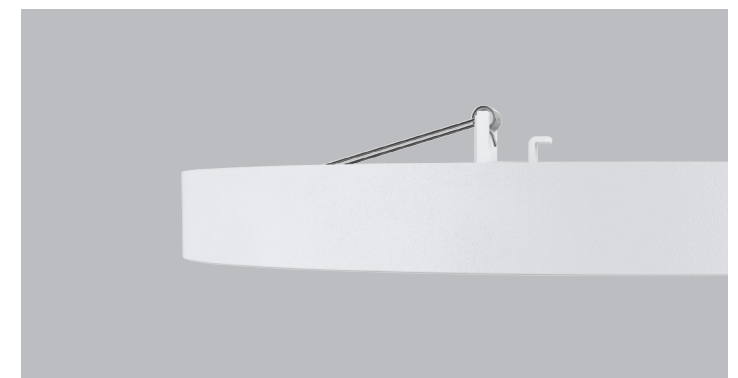
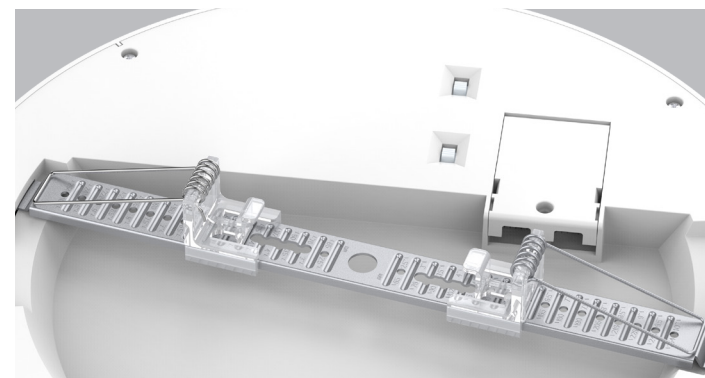
This downlight featured with adjustable cutout size. Adopt high lumen SMD LED and edge lighting design with even light output. AL1060 Aluminum profile provides excellent thermal dissipation. Super slim with internal driver and quick connector, very easy for wire connection and installation, it can be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

Features

- Adjustable cutout size from 65~205mm, 120~260mm for recessed installation, more choice for replacement work.
- Super slim with internal driver and quick connector.
- Interchangeable CCT(3000K+4000K+5700K)with slide switch.
- Interchangeable power(10W+13W+16W)(16W+20W+22W) with slide switch.
- Triac dimmable.
- Recessed and surface mounted installation.

Application Areas

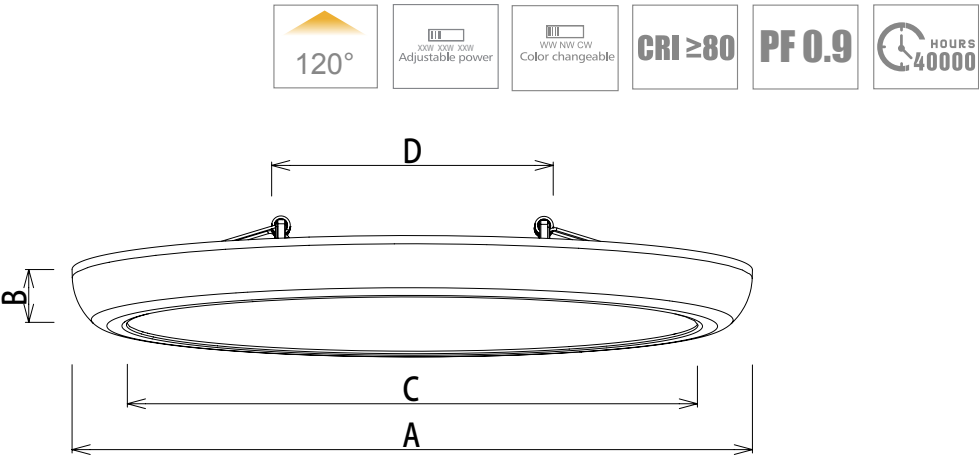
It is designed for general lighting applications in office, supermarket, shop, school, hotel, etc. It is also widely used for public areas, such as stairway, lobby, reception, corridors etc





Technical Data Sheet

Code No.			DL280-8-16W			DL280-10-22W		
Dimension(mm)			Ø235*22mm			Ø300*25mm		
Cutout (mm)			Ø65mm-Ø205mm			Ø120mm-Ø260mm		
Watt(W)			16W			22W		
Rated Input Voltage(V)			Non-Dim:AC100-240V / Dim:AC230V					
Input Voltage(V)			Non-Dim:AC100-240V / Dim: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	1400-1600			2200-2500		
	DIM		1400-1600			2200-2500		
	Non-DIM	3-CCT	1400-1700			2200-2600		
	DIM		1400-1700			2200-2600		
	A3	1-CCT	10W:950-1100	13W:1100-1450	16W:1450-1600	16W:1600-1800	20W:1900-2200	22W: 2200-2500
		3-CCT	10W:950-1000	13W:1200-1450	16W:1400-1700	16W:1500-1800	20W:1900-2200	22W: 2200-2600
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)			IK06					
Product Finishing(Base)			White RAL 9016					
Materials of Optics			PS					
Materials of Housing			PC/Aluminum					
Lifetime (hr)			40,000h					
Glow wire test (°C)			650°C					
Operating Temp. (°C)			-20°C ~40°C					
Storage Temp. (°C)			-20°C ~50°C					
Installation			Surface mount / 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				
8 "	235	22	187	65-205	Ø235*22	0.46	0.62	9.2	13.4	40.5*26*57	20	9920	22320
10 "	300	25	252	120-260	Ø300*25	0.78	0.95	7.8	10.5	44.5*33*36.5	10	5270	12600

Driver Datasheet (Non-dimmable)

Total load wattage		16W	22W
Output	Output Voltage range	DC72-82V	DC66-76V
	Rated output current	190mA	280mA
	Line Regulation	± 5%	
	Setup, Rise Time	≤0.5S	
	Flickering Index	3%(NO RISK)	
Input	Input Voltage	AC85-265V	
	Rated Input Voltage(V)	AC100-240V	
	Frequency	50/60Hz	
	Input Current	≤0.21A	≤0.29A
	Rated Input Current	≤0.18A	≤0.25A
	Power Factor	0.9	
	THD	-	
	Efficiency	≥85%	
	No load wattage	≤0.5W	
Protection	Short circuit protection	Pass	
	Over voltage protection	Pass	
	Over temperature protection	Pass	
Safety &EMC	Withstand voltage	-	
	Isolation Resistance	I/P-O/P: 500VDC, ≥100M Ω	
	Surge	IEC/EN61000-4-5(P<25W; L-N:500V, L/N-PG:1KV);	
	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		16W	22W
Output	Output Voltage range	DC70-80V	
	Rated output current	180mA	260mA
	Line Regulation	± 5%	
	Setup, Rise Time	<0.5S	
	Flickering Index	5.5%(LOW RISK)	
Input	Input Voltage	AC200-240V	
	Rated Input Voltage(V)	AC230V	
	Frequency	50Hz	
	Input Current	<0.09A	<0.13A
	Rated Input Current	0.08A	<0.11A
	Power Factor	0.9	
	THD	-	
	Efficiency	≥85%	
Protection	No load wattage	<1W	
	Short circuit protection	Constant current limiting, recovers automatically after fault condition is removed	
	Over voltage protection	Shut down o/p voltage	
	Over temperature protection	Shut down o/p voltage, recovers automatically after temperature goes down	
Safety &EMC	Withstand voltage	-	
	Isolation Resistance	I/P-O/P: 500VDC, ≥100M Ω	
	Surge	IEC/EN61000-4-5(P<25W; L-N:500V, L/N-PG:1KV);	
	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	16W	20W	22W
Output	Output Voltage range	16W			22W		
	Rated output current	DC70-80V			DC66-76V		
	Line Regulation	125mA/150mA/190mA			210mA/260mA/280mA		
	Setup, Rise Time	≤0.5S					
	Flickering Index	3%(NO RISK)					
Input	Input Voltage	AC85-265V					
	Rated Input Voltage(V)	AC100-240V					
	Frequency	50Hz/60Hz					
	Input Current	<0.13A	<0.17A	<0.21A	<0.21A	<0.27A	≤0.29A
	Rated Input Current	0.12A	0.15A	0.18A	0.18A	0.23A	≤0.25A
	Power Factor	0.9					
	THD	-					
	Efficiency	≥85%					
	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					
	EMC Immunity	EN61000-4-2,3,4,5,6,8,11; EN61547					

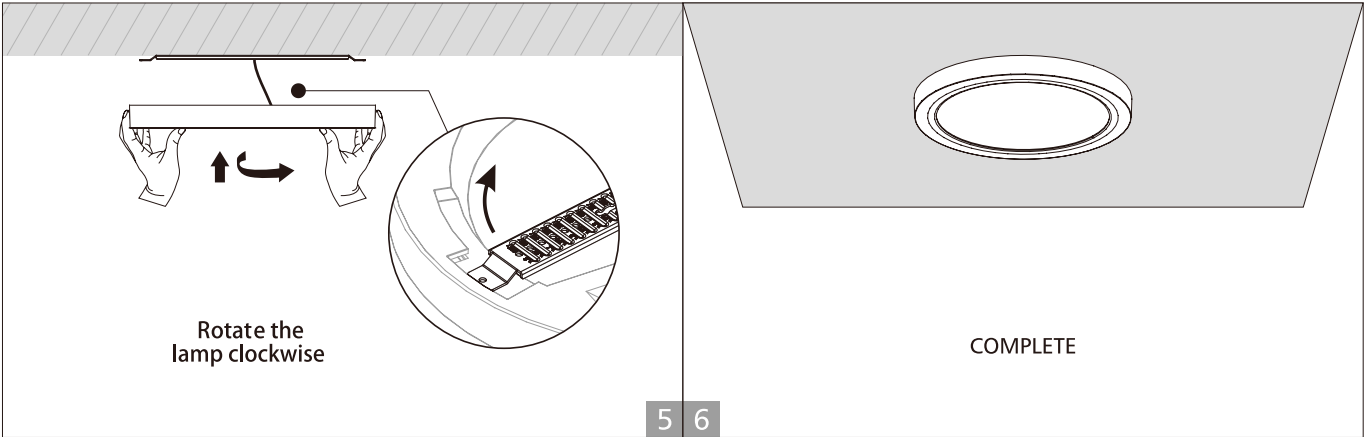
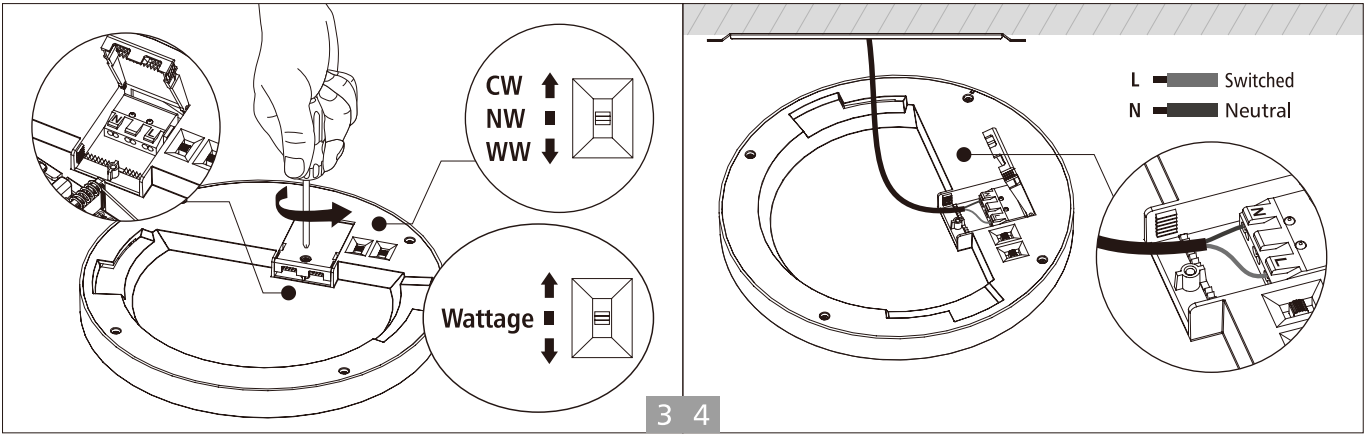
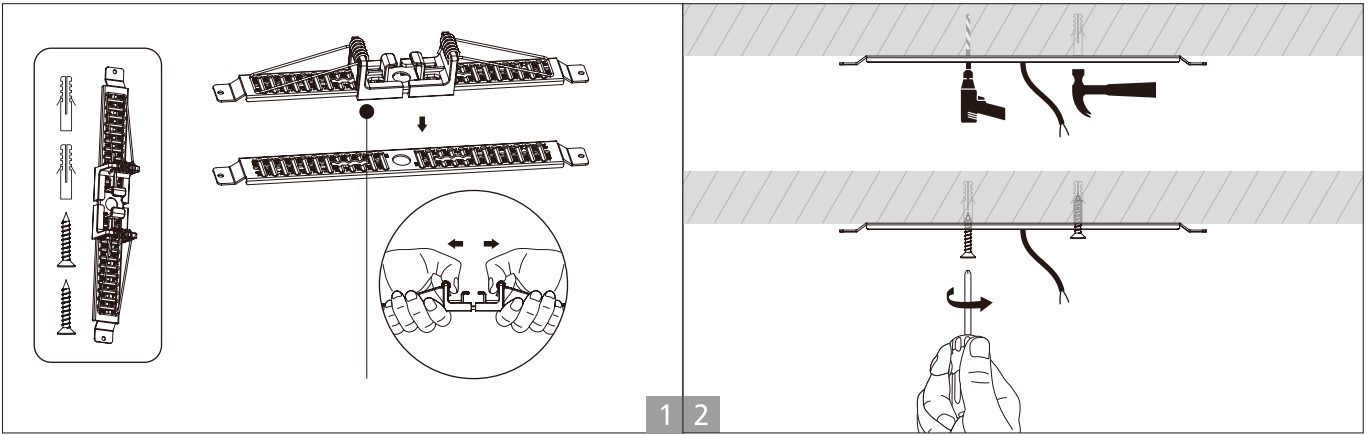
Installation Procedure

WARNING⚡

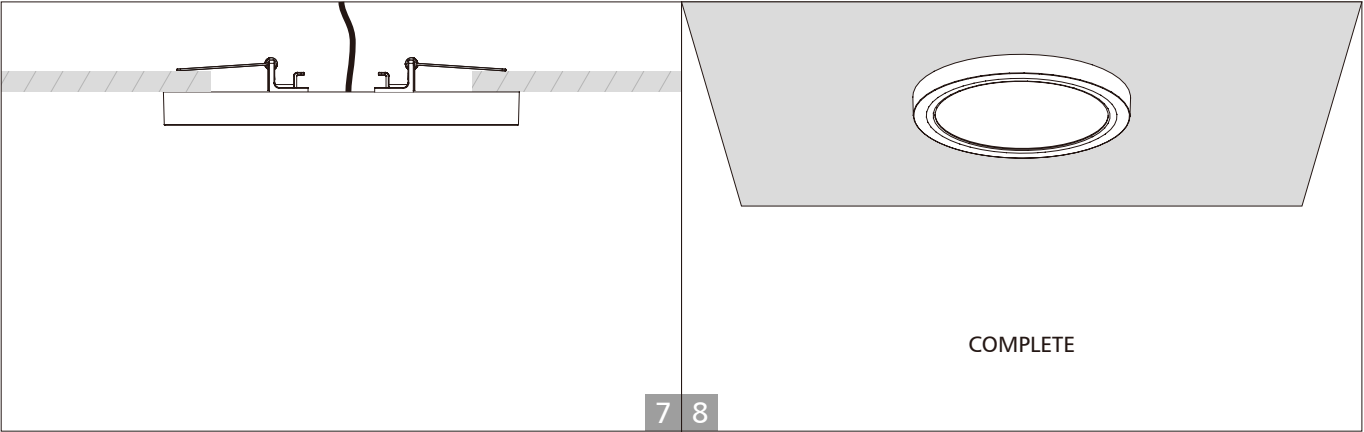
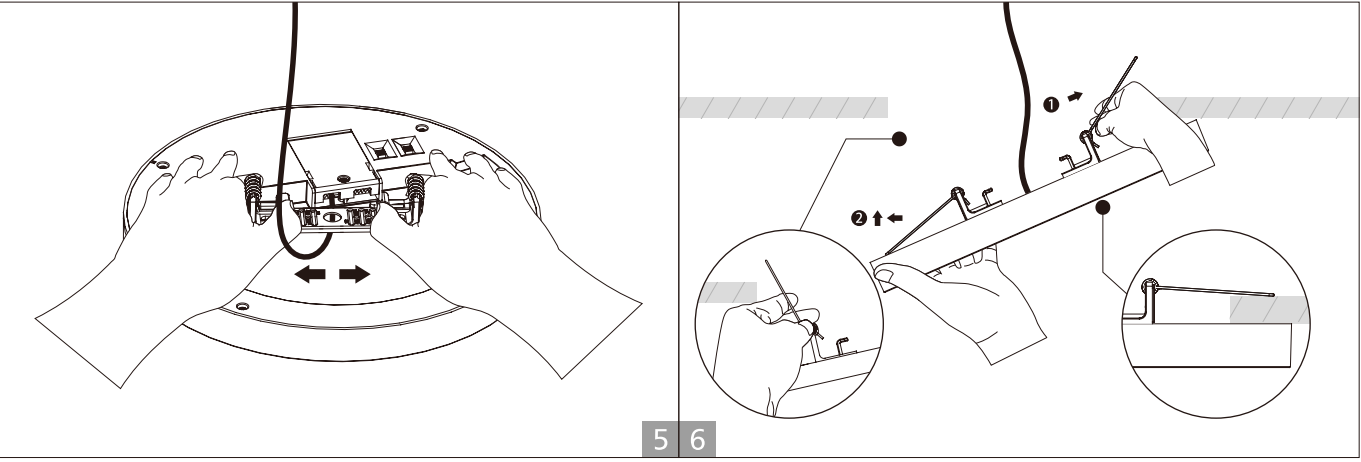
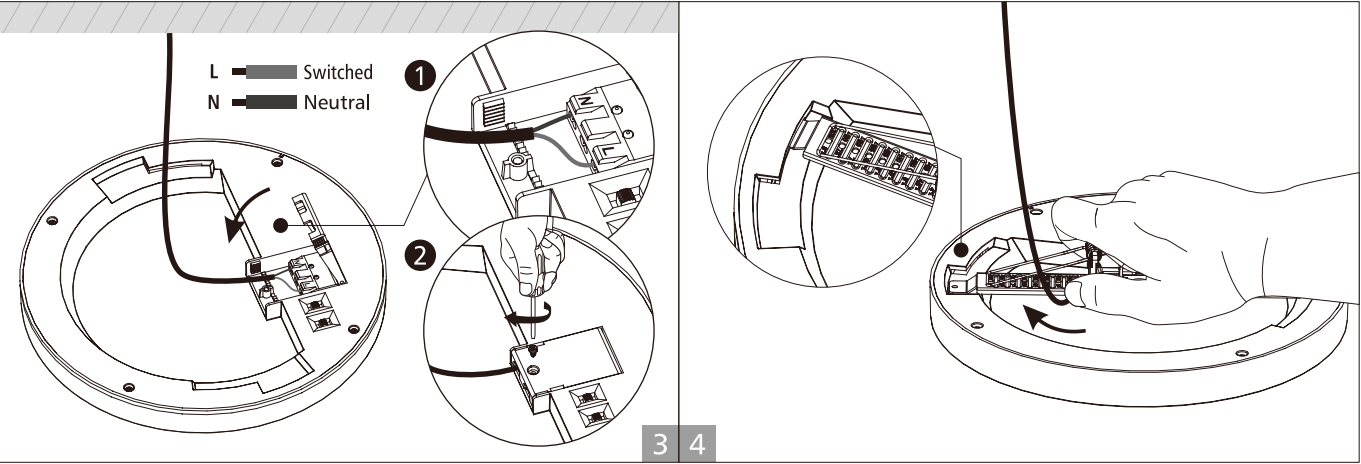
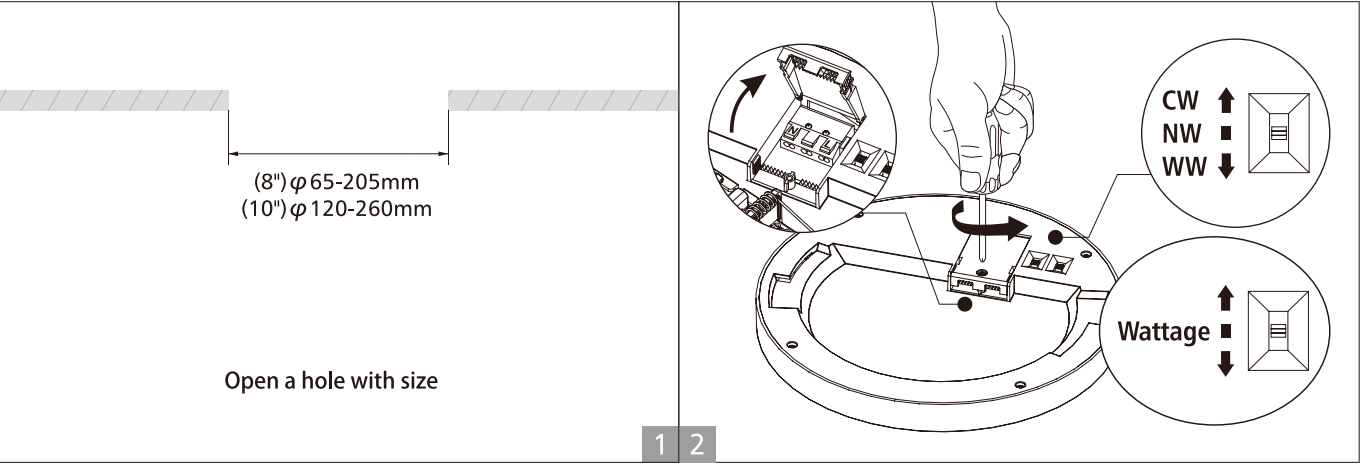
- 1.Switch off power supply before installation / maintenance.
- 2.Switch on only after complete installation and examination of the circuit.
- 3.Professional electrician for installation and maintenance only.



Surface mounted installation



■ Recessed into ceiling





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