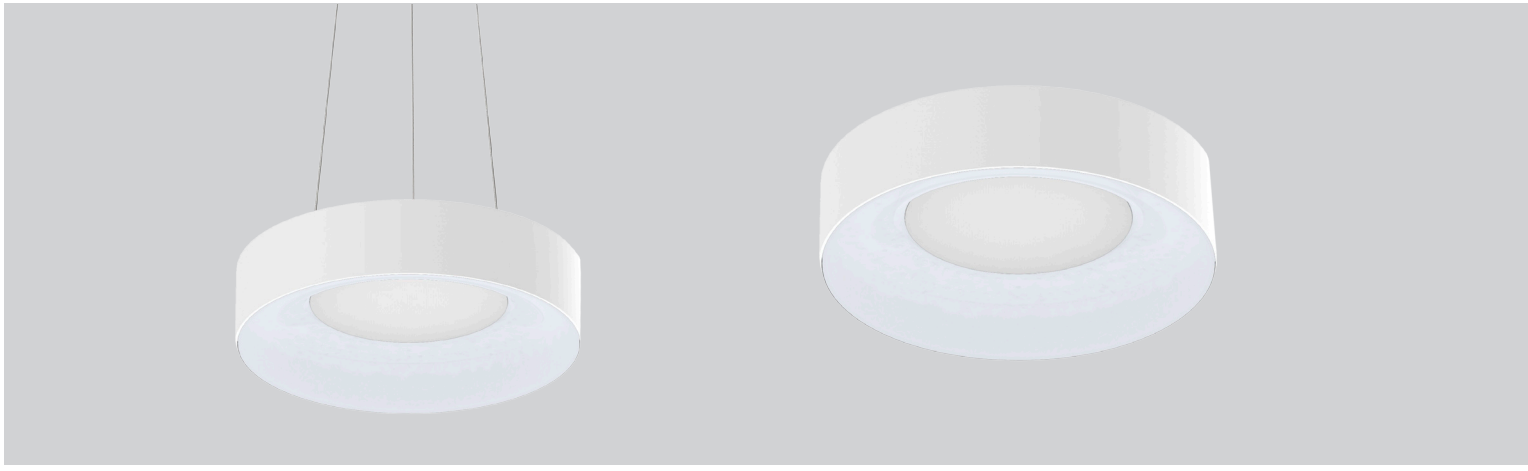
FDV



BA-Lighting AS
BA2007-AL41-18W-CCT-TRIAC

Introduction



AL41 ceiling light(full PC) adopts elegant and concave design, which makes the luminous surface compact and with magic 3D effects. Dimmable is available. Surface mounted and suspended installation are also optional,equipped with rotating lamp fixture, makes the surface mounted installation much easier.

Features

1. 3 CCT in one lamp, light color can be selected by slide button.
2. IP54 protection at room side.
3. Triac Dimmable version available.
4. Surface mounted version and pendant version is optional.
5. Built-in driver and external driver design is optional for pendant version.

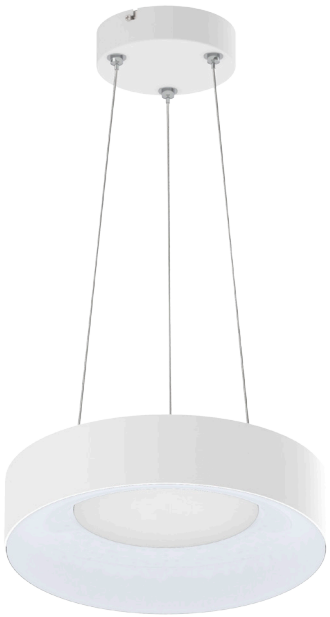
Application Areas

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

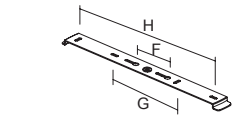


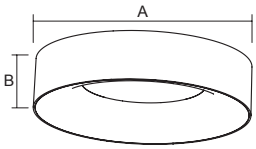


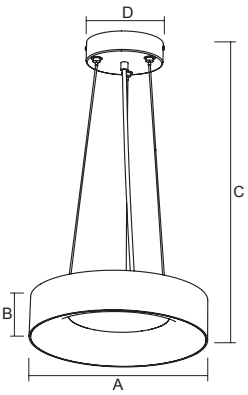
3-CCT in 1 Lamp



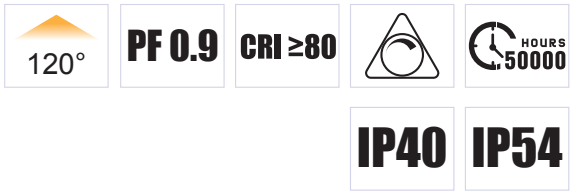
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Measurement

Model	Dimension(mm)								Size(mm)	Product Weight (Kg)		Package weight (Kg)		Carton Size(cm)	Qty/CTN	20GP (pcs)	40HQ (pcs)
	A	B	C	D	E	F	G	H		N.W/PC	G.W/PC	N.W/CTN	G.W/CTN				
AL41A-12-18W	300	71	–	–	–	60	120	190	Ø300*71	1.04	1.46	7.8	9.02	65*37*35.5	6	1920	4710
AL41A-12-18WD	300	71	–	–	–	60	120	190	Ø300*71	1.04	1.46	7.8	9.02	65*37*35.5	6	1920	4710
AL41A-16-25W	400	71	–	–	–	60	120	260	Ø400*71	1.53	1.93	10.6	13.1	65*45.5*46	6	1200	2940
AL41A-16-25WD	**400**	71	–	–	–	**60**	**120**	**190**	**Ø400*71**	**1.53**	**1.93**	**10.6**	**13.1**	**65*45.5*46**	**6**	**1200**	**2940**
AL41B-12-18W	300	71	1200	100	60	–	–	–	Ø300*71	1.53	1.93	7.3	8.9	56*35.5*40	4	1360	3360
AL41B-12-18WD	300	71	1200	100	60	–	–	–	Ø300*71	1.53	1.93	7.3	8.9	56*35.5*40	4	1360	3360
AL41B-16-25W	400	71	1200	100	60	–	–	–	Ø400*71	1.86	2.46	9.4	11.34	56*46*48.5	4	880	2160
AL41B-16-25WD	400	71	1200	100	60	–	–	–	Ø400*71	1.86	2.46	9.4	11.34	56*46*48.5	4	880	2160

Technical Data Sheet

Model No.		AL41A-12-18W	AL41A-12-18W-D	AL41A-16-25W	AL41A-16-25W-D
Rated Input Voltage(V)		AC100-240V	AC230V	AC100-240V	AC230V
Input Voltage(V)		AC85-265V	AC200-240	AC85-265V	AC200-240
Watt(W)		18W		25W	
Dimension(mm)		Ø300*71		Ø400*71	
LED		SMD			
SDCM		<6			
CCT(K)		1-CCT: 3000K / 4000K / 5000K / 5700K || 3CCT: 3000K+4000K+5700K			
"Luminous Flux (lm) ±5%	1-CCT	1620-1670	1530-1580	2250-2300	2220-2250
	3-CCT	1530-1710	1440-1584	2000-2370	1950-2350
DIM		No	Yes	No	Yes
CRI		≥80			
Beam Angle (°)		120°			
LED Driver		Built-in			
Protection Class		Class Ⅱ			
IP Rating		IP54			
IK Rating		IK08			
Finishing color		White RAL 9016			
Material		PC			
Lifetime (hr)		50,000h			
Glow wire test (°C)		750°C			
Operating Temp.(°C)		-20°C ~45°C			
Storage Temp.(°C)		-20°C ~65°C			
Installation		Surface mount			
Withstand voltage		AC3750V			

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Model No.		AL41B-12-18W	AL41B-12-18W-D	AL41B-16-25W	AL41B-16-25W-D
Rated Input Voltage(V)		AC100-240V	AC230V	AC100-240V	AC230V
Input Voltage(V)		AC85-265V	AC200-240	AC85-265V	AC200-240
Watt(W)		18W		25W	
Dimension(mm)		Ø300*71		Ø400*71	
LED		SMD			
SDCM		<6			
CCT(K)		3000K / 4000K / 5000K / 5700K			
"Luminous Flux (lm) ±5%	1-CCT	1620-1670	1530-1580	2250-2300	2220-2250
	3-CCT	1530-1710	1440-1584	2000-2370	1950-2350
DIM		No	Yes	No	Yes
CRI		≥80			
Beam Angle (°)		120°			
LED Driver		Built-in			
Protection Class		Class Ⅰ			
IP Rating		IP40			
IK Rating		IK08			
Finishing color		White RAL 9016			
Material		PC			
Lifetime (hr)		50,000h			
Glow wire test (°C)		750°C			
Operating Temp.(°C)		-20°C ~45°C			
Storage Temp.(°C)		-20°C ~65°C			
Installation		Suspended			
Withstand voltage		AC1500V			

Driver Datasheet (Non-dimmable)

Power	18W	25W
Rated Input Voltage(V)	AC100-240V	
Frequency	50/60Hz	
Input Voltage	AC85-265V	
Power Factor	0.9	
Efficiency	≥88%	≥88%
Total load wattage	18W±1W	25W±5%
Rated Input Current	≤0.2A	≤0.28A
Full load output voltage	DC60-80V	DC60-75V
Rated output curent	230mA	325mA
Output current range	230mA±5%	325mA±5%
Power tolerance	±5%	
Current output tolerance	±5%	
Short circuit protection	PASS	
Over voltage protection	PASS	
Over temperature protection	PASS	
THD	–	<20% @ AC230V
Surge	L-N 500V	L-N 1000V
Withstand voltage	–	

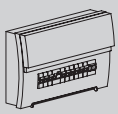
Driver Datasheet (Triac Dimmable)

Power	18W	25W
Rated Input Voltage(V)	AC230V	
Frequency	50Hz	
Input Voltage	AC200-240V	
Efficiency	83%	85%
Total load wattage	18W±1W	25W±5%
Rated Input Current	≤0.1A	≤0.14A
Full load output voltage	DC65-75V	DC65-75V
Rated output curent	230mA	320mA
Output current range	230mA±5%	320mA±5%
Power Factor	0.9	
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%	<20%
Surge	L-N 500V	L-N 1000V
Withstand voltage	–	

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.



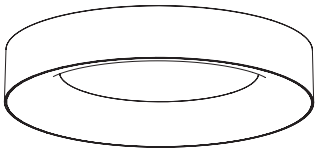


Turn Off power supply before starting any installation. Read instructions & check you have all the tools & accessories to complete the installation correctly.

Surface Mounted Installation Only (A) IP54

Step 1

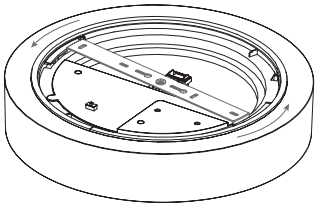
Take out ceiling light and accessory pack from box.

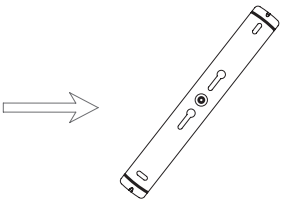




Step 2

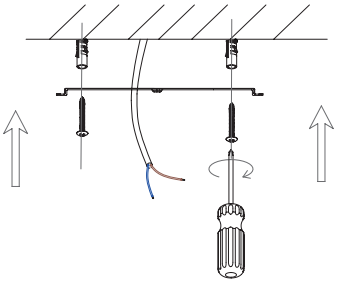
Pull out the bracket anticlockwise by screw driver, take out the bracket.





Step 3

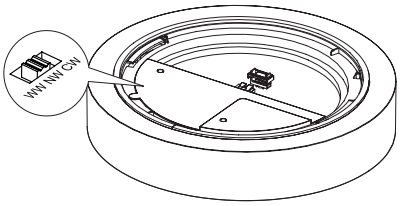
Knock the plastic anchor into ceiling, fix the bracket with screws on the ceiling.

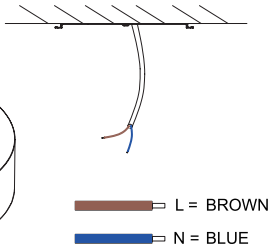


Step 4

Fix the "L" "N" to the terminal block.

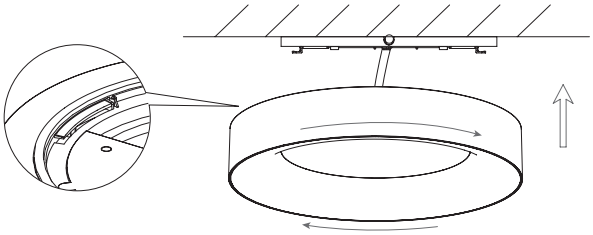
CCT switchable function: Choose CCT by slide switch before mounting to ceiling/wall.





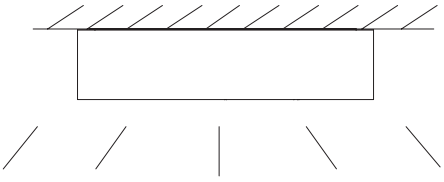
Step 5

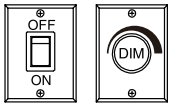
Push the lamp upward and rotate it into bracket. Rotate the lamp clockwise until it is firmly fixed.



Step 6

Switch on



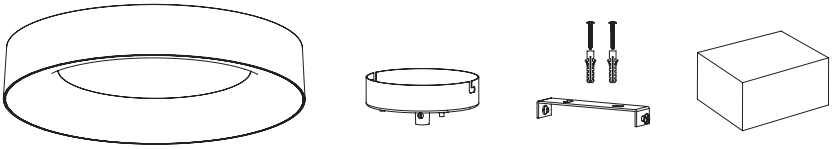


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Suspended Installation Only (B) IP40

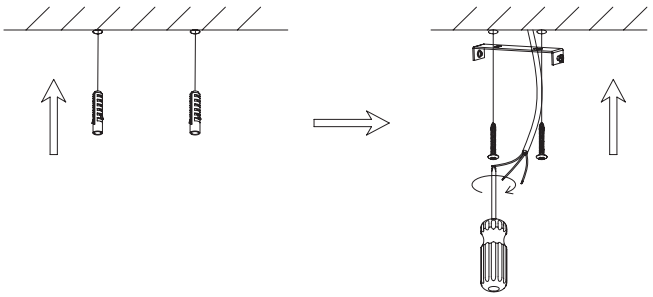
Step 1

Take out ceiling light and accessory pack from box.



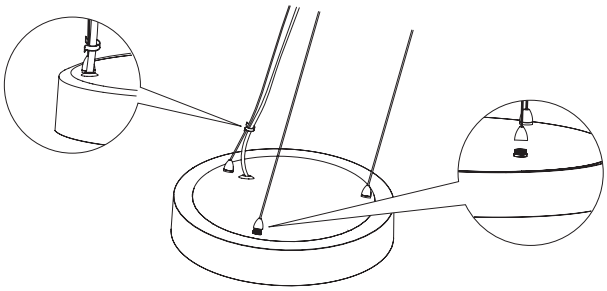
Step 2

a: Determine the mounting location and knock the plastic anchor into ceiling.
b: Fix bracket onto ceiling with screws.



Step 3

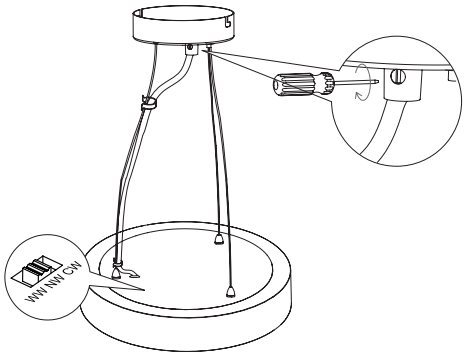
a: Attach DC wire to suspending rope by clips.
b: Twist rope head to fasten it into locking device.



Step 4

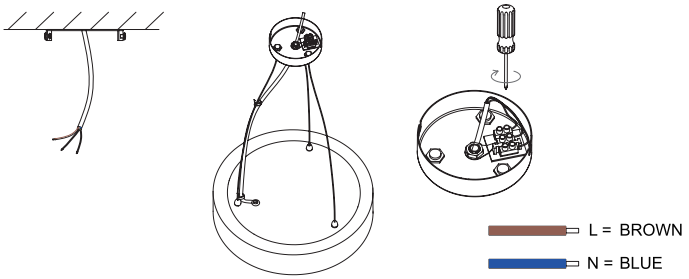
a: Insert the DC cable through cable entry
b: Fix the screws by screwdriver to fix the cable

CCT switchable function: Choose CCT by slide switch before mounting to ceiling/wall.



Step 5

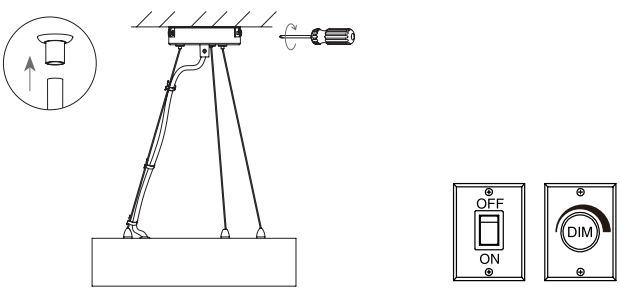
Feed the main cable in terminal block respectively.



Step 6

a: Adjust the suspending wire length by pressing the locking device on surface mount box.
b: Fix surface mount box onto bracket with screw.

Switch on



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