

# The Specification of **AirFlat Multi-purpose Mini Panel**

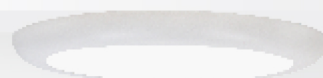
- ◊ Fast Installation
- ◊ Thin
- ◊ Universal

**2 in 1**

Recessed &  
Surface-mounted



Recessed

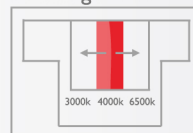


Surface-mounted



**Microwave  
Sensor**

Pre-set Button  
to change color



**CCT CHANGEABLE**



**IP54**

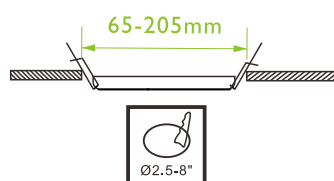


# 2 in 1 *Recessed & Surface-mounted*

## UNIVERSAL

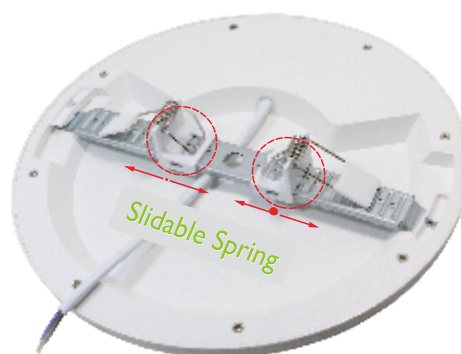
### Recessed ▼

#### 1 18W D230mm



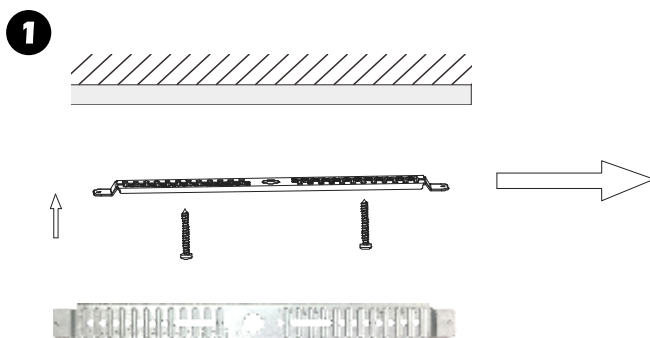
Fit all cut-out from  
65-205mm (2.5"-8")

► Flicker-free.



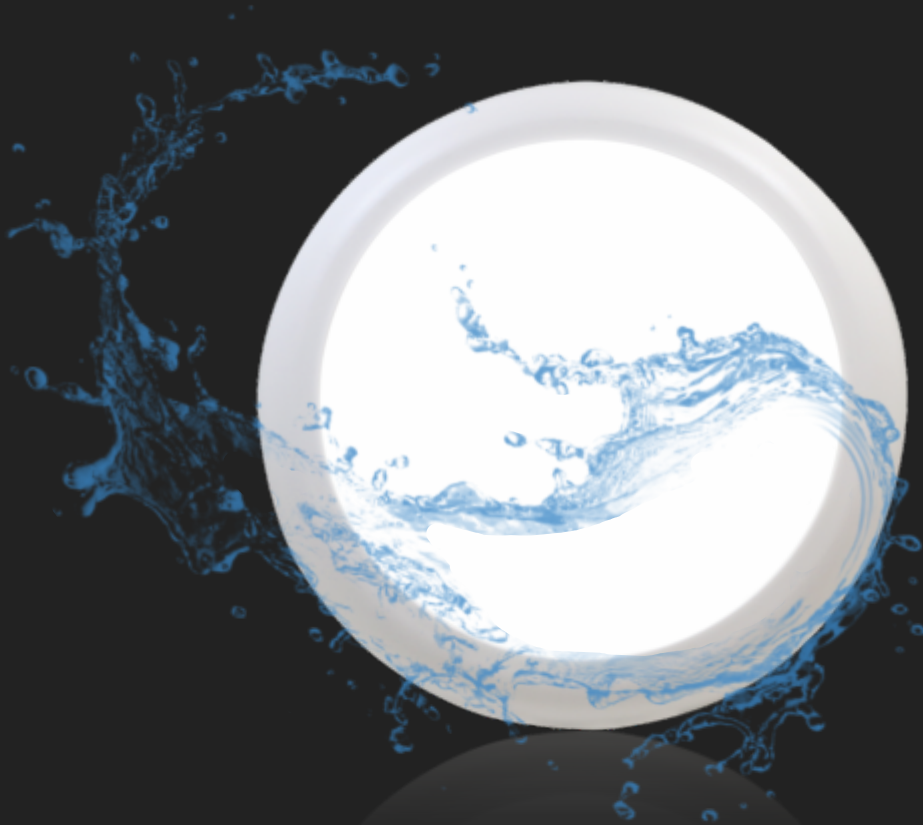
### Surface-mounted ▼

**EASY & FAST** installation



Easy surface-mounted

→  Twist on to lock



💧 **IP54**

**PF>0.9**

**Flicker  
Free**

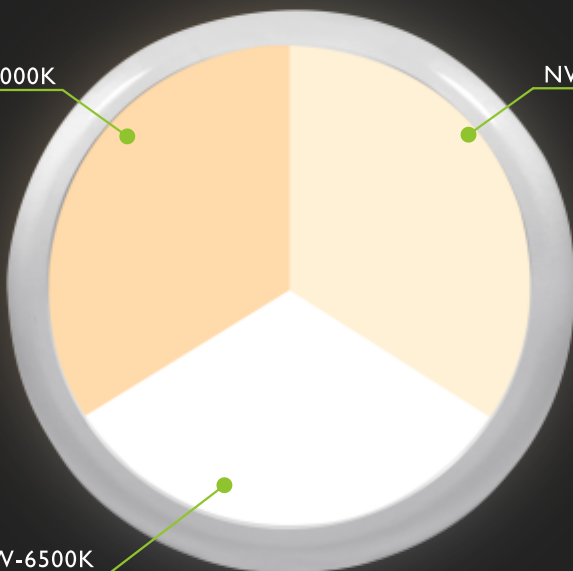
**Built-in  
Driver**



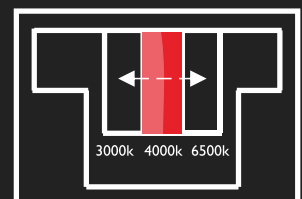
WW-3000K

NW-4000K

CW-6500K

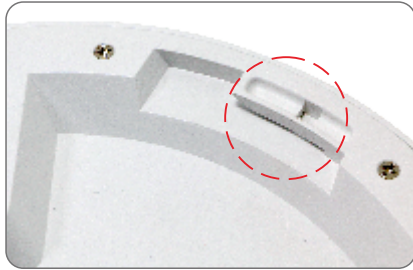


**CCT CHANGEABLE**



Built-in Pre-set Button  
to change color

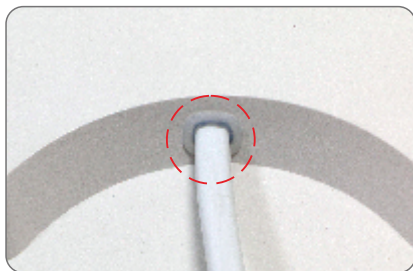
### 💧 IP54



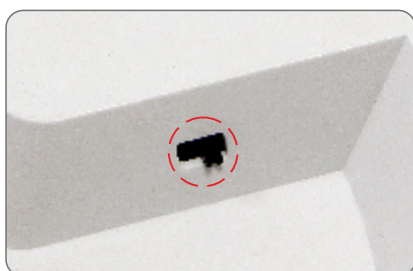
Twist on



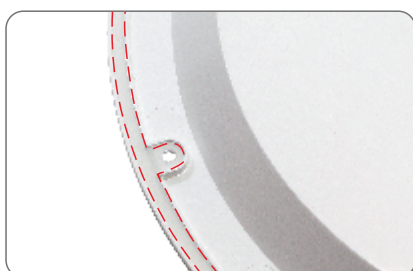
Front side waterproof



Wire waterproof design



CCT Change Button



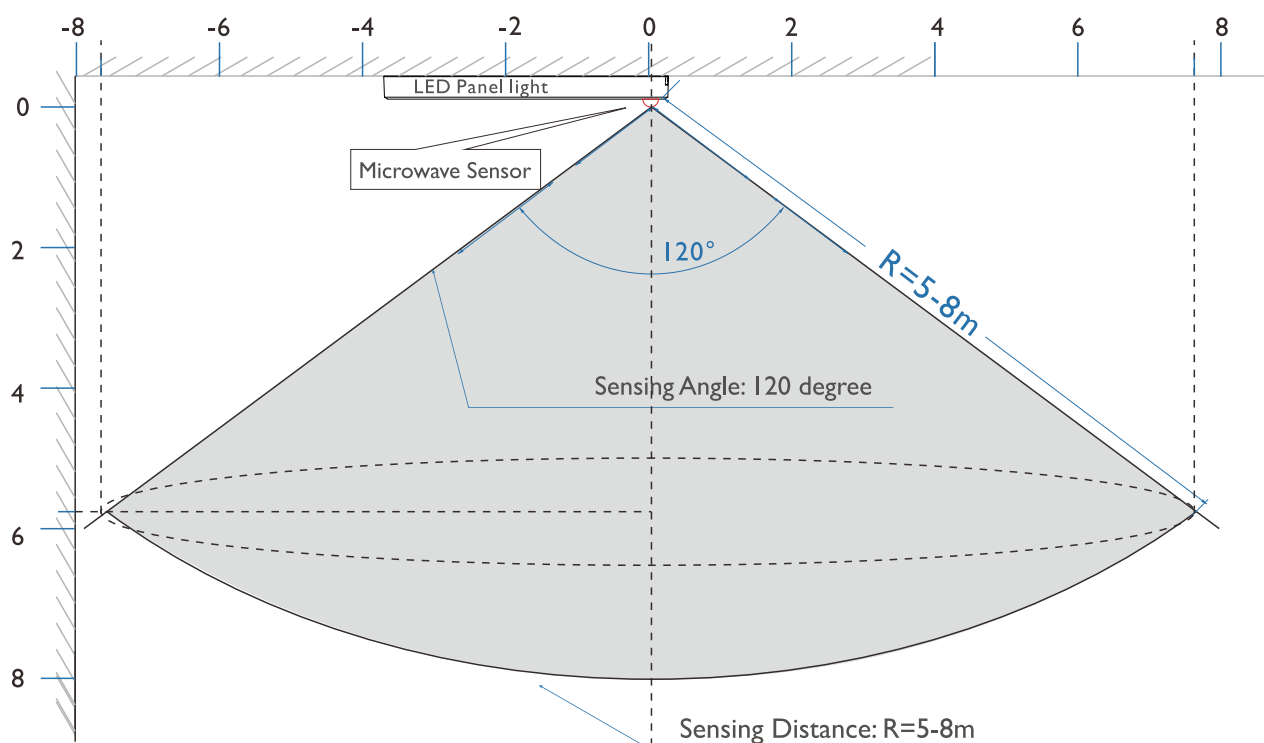
Backside waterproof

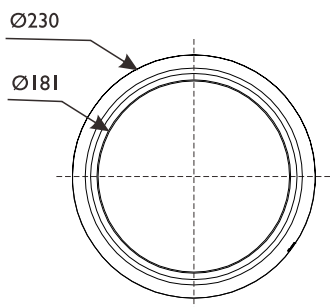


## Microwave sensor

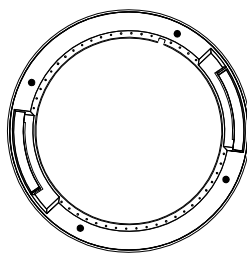
Multi-purpose for both ceiling light and downlight  
2 IN 1 fast installation can be used for both  
surface-mounted & recessed  
Patent adjustable & slidable spring  
Fits all cut out **65-205mm (2.5-8")**  
Elegant & Compact design, 22mm height only  
Built-in driver

## Infrared Induction Range Diagram





Front View



Back View



Side View

## Technology Parameter

Item No.	AirFlat-18W	AirFlat-18W-D	AirFlat-18W-BTC	AirFlat-18W-TC (CP)	AirFlat-18W-TC (CP)	AirFlat-18W-RD
Diameter (A/B mm)	D230x22mm	D230x22mm	D230x22mm	D230x22mm	D230x22mm	D230x22mm
Thickness(mm)	22mm	22mm	22mm	22mm	22mm	22mm
Watt (W)	18W	18W	18W	18W	18W	18W
LED Qty (pcs)	90PCS	90PCS	120PCS	120PCS	120PCS	90PCS
Voltage (V)	AC220-240V	AC220-240V	AC220-240V	AC220-240V	AC220-240V	AC220-240V
Lumens (lm)	1500-1750lm	1350-1620lm	900-1800lm	1350-1700lm	1500-1750lm	1500-1750lm
Light Efficacy (lm/W)	85-95lm/w	75-90lm/w	90-100lm/w	75-95lm/w	85-95lm/w	85-95lm/w
CCT (K)	2700-6500K	2700-6500K	9W3000K / 18W4000K / 9W6500K	Constant Power 18W 3000-4000-6500K	Constant Power 18W 3000-4000-6500K	2700-6500K
CRI (Ra)	82	82	82	82	82	82
Beam Angle (°)	120°	120°	120°	120°	120°	120°
Function	Dimmable	Dimmable	CCT change	CCT change	CCT change	Microwave sensor
Power Factor (PF)	0.5	0.95	0.5	0.92	0.5	0.5
Lifetime (Hrs)	30,000	30,000	30,000	30,000	30,000	30,000

Application for commercial lighting (office, hotel, shopping mall, museum , hospital etc.)  
Residential lighting (bedroom, hall, dinning room, kitchen etc.)



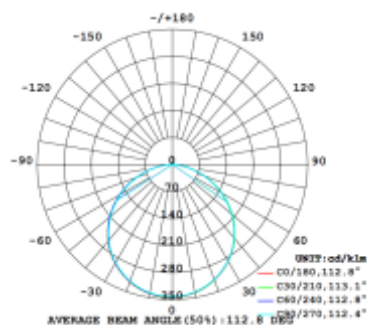
### AirFlat-18-NW

Light distribution: symmetry lighting  
CCT : 4000K  
Dimension: Ø230x22mm  
Beam angle:120°

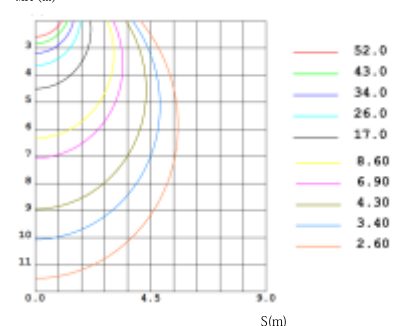
#### Notice:

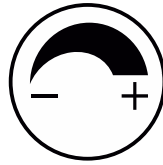
The testing data can only represent 18W AirFlat in CCT 4000K

### LUMINOUS INTENSITY DISTRIBUTION



### C0 PLANE ISOLUX DIAGRAM (UNIT:lx)





AURORA®

Kopp

SIEMENS

Crabtree

BUSCH-JAEGER  
Die Zukunft ist da.

CLIPSAL

JUNG

BOSCH

legrand

Schneider  
Electric

BRITISH  
BG  
GENERAL

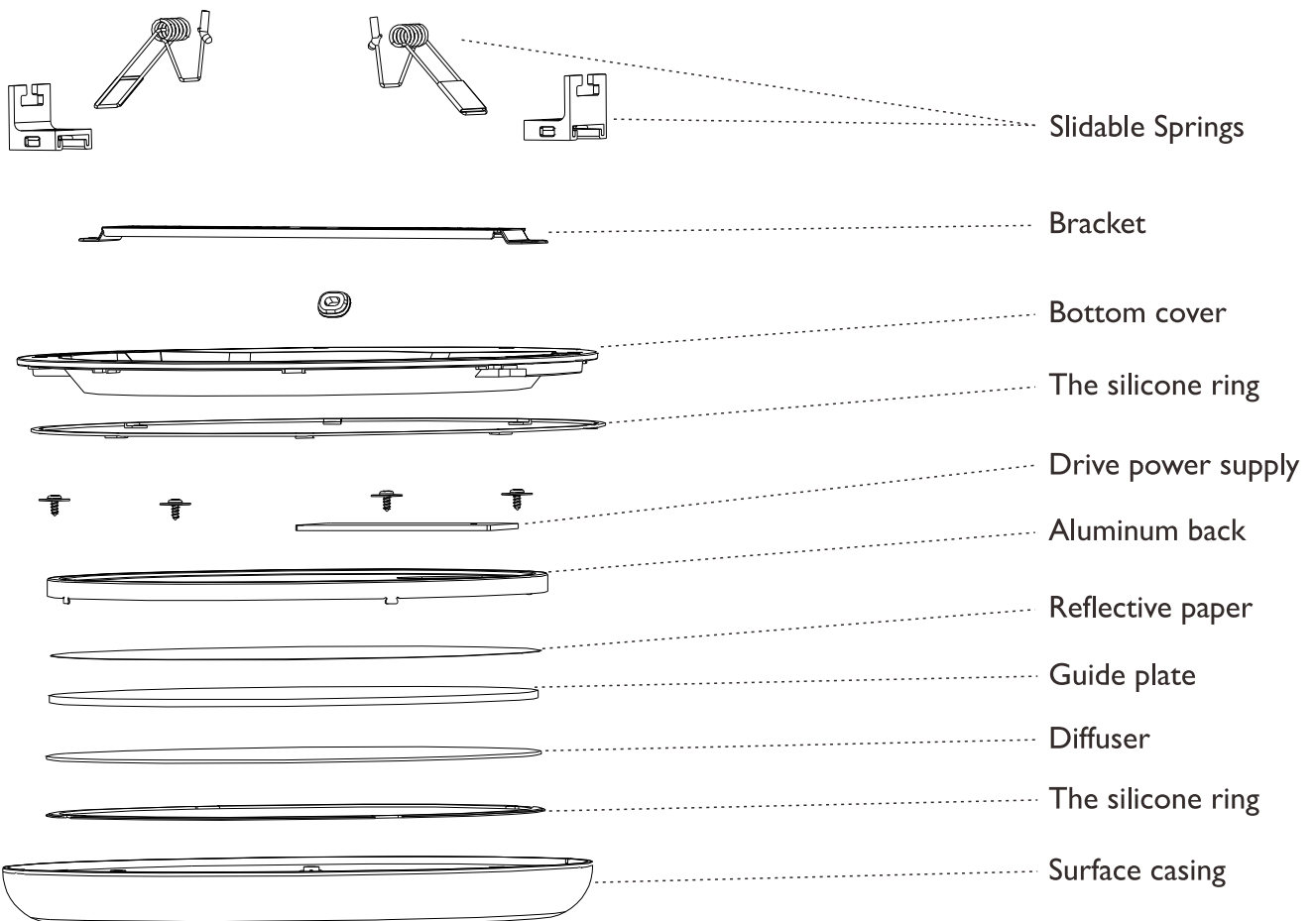
V-PRO  
VARILIGHT

merten  
by Schneider Electric

Teller

sygonix®

## Structure Drawing



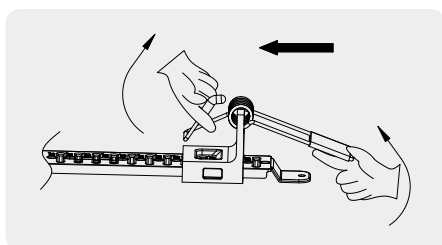
## Installation Instruction

Please read these instructions thoroughly before use and retain for future reference.

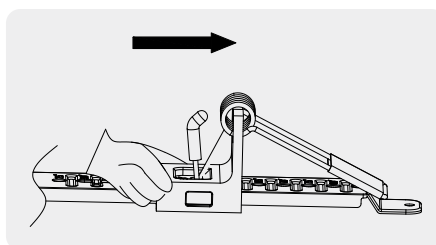
- Make sure the power is off before installation.
- This product is suitable for connection to a 220- 240Vac 50/60Hz supply.
- Installation must be carried out in accordance with national building and wiring regulations.
- Only the professional electrician can do the installing work. (Watch out the high voltage!)
- Make sure the integrity of the panel light when open the package.
- There is at least 0.2mm distance between the lamp and the inflammable materials.
- The power line can be fixed by clips and need to make sure it is fixed tightly.
- Make sure the power line get enough length to avoid any pull force of the line.
- After installation, link the lamp with driver.
- Link the drive to electric supply, usually, the brown line is firing line, the blue line is null line.
- Do not use the drive specially for LED lamp on other lamps.

## Recessed

Notice: Spring adjustable instruction



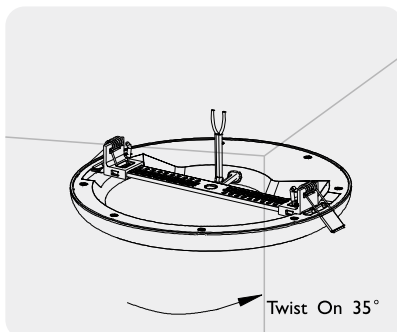
Pull the spring and push in



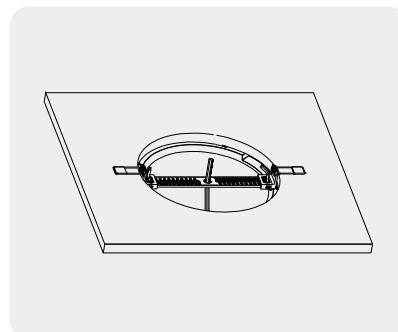
Push out directly



Step1 : Open the terminal cover with a cross screwdriver.

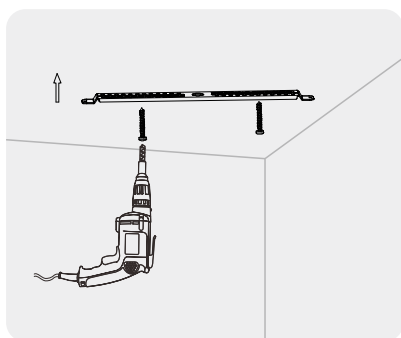


Step 2: insert one end of the bracket into the card slot with a locked-mark position, align the other side, tighten the clamp by counterclockwise rotation, and connect the outer line with the fast connecting terminal inside the lamp

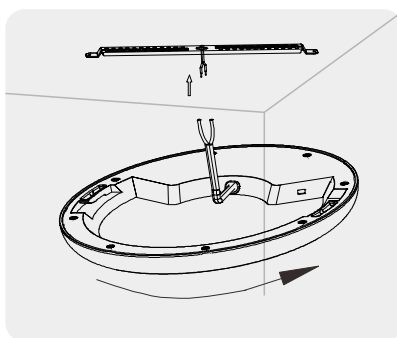


Step3: pick up the spring and install the fitting to ceiling hole.

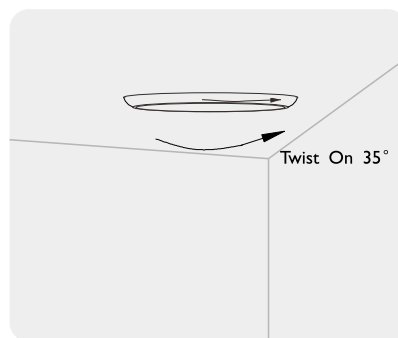
## Surface-mounted



Step1: Fix the bracket on the ceiling;



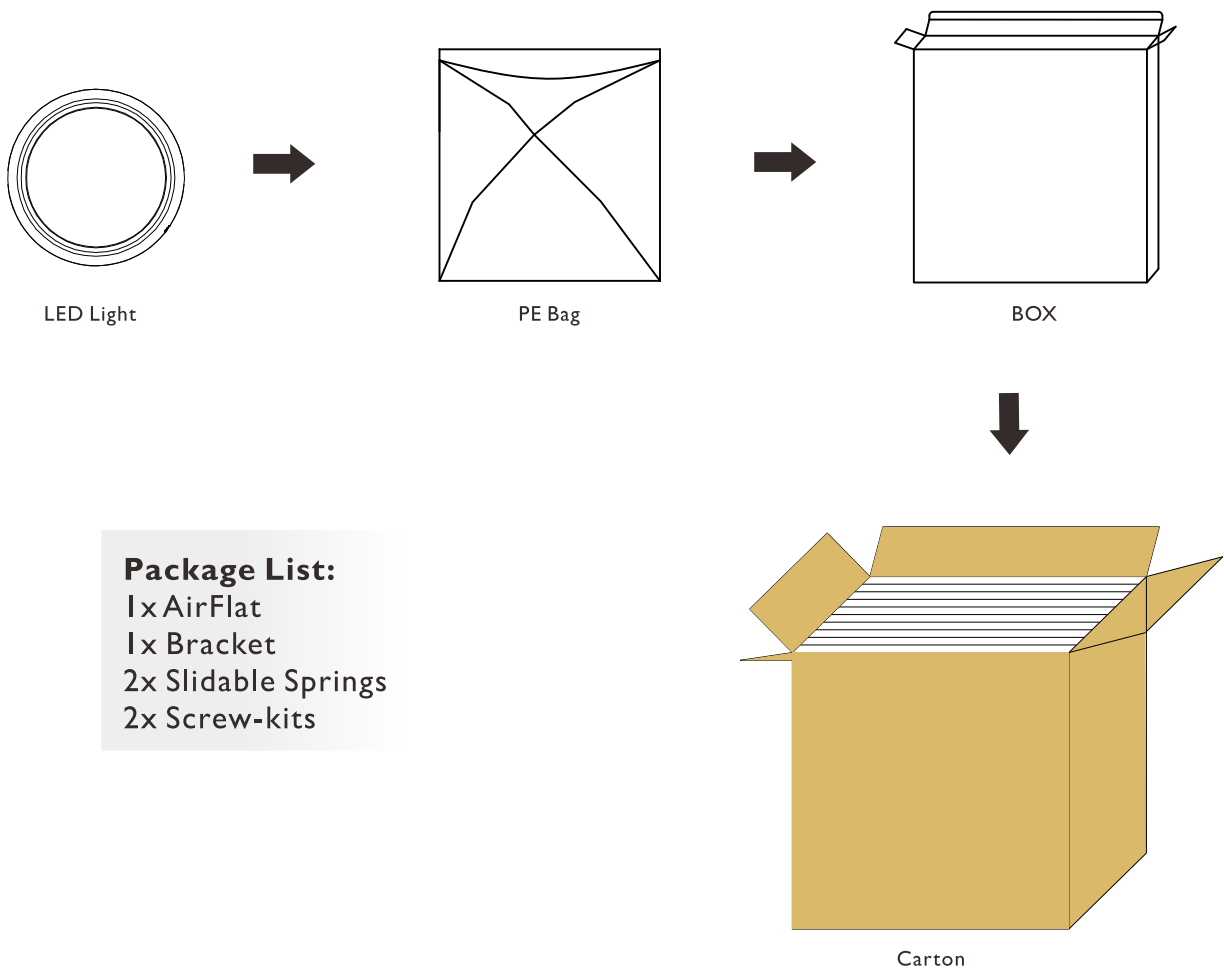
Step 2: connect the outer line with the quick connecting terminal in the lamp fitting bag, and then insert one end of the bracket into the card slot with the position of the locking mark, align the other side, and tighten the clamp by counter-clockwise rotation.



Step3: twist-on the bracket anti-clockwise until click.



Package



- Package List:**  
1x AirFlat  
1x Bracket  
2x Slidable Springs  
2x Screw-kits

Model	
Item	AirFlat-18W
Box Size	275x239x30mm
Qty / Box	1 pcs
Carton Size	498x320x305mm
Qty / Carton	20pcs
G.W.	12Kg

Note: there may be tolerance on weight, please check with us for details.