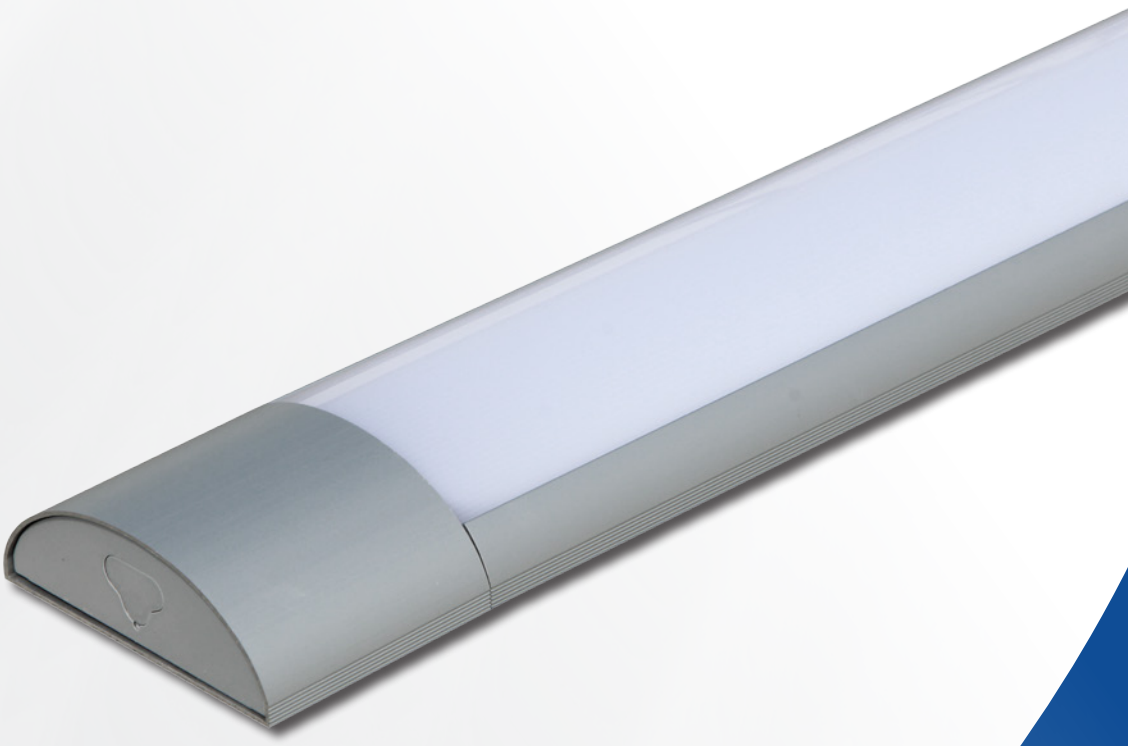
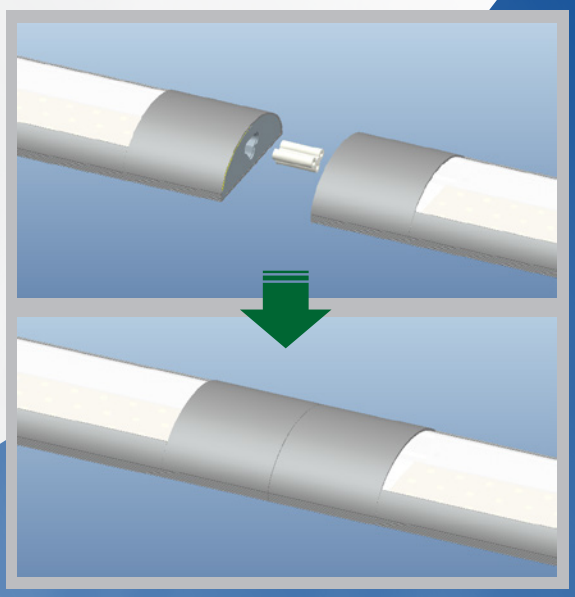
Up-shine® Lighting

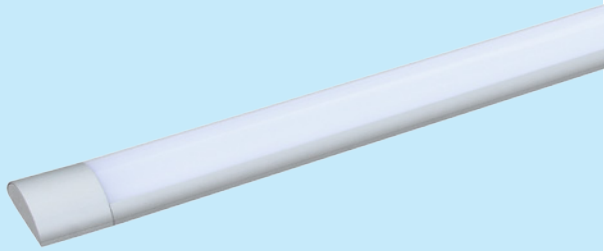


Technical Application Guide for UP-SHINE LED Batten

UP-DB01-42W



Introduction



Compared with Up-shine regular batten, DB01 is a new design with zero distance & seamless connection installation. Stretching Aluminum is employed both on lamp housing and end caps, aims at maintaining color consistency of surface treatment during production. It is impressive in texture and workmanship.

As an easy replacement of traditional grille and tube, batten makes itself outstanding with fast installation and easy connection between each unit, maximally reduce electrician cost.

- Up to 70% energy saving compared to standard CFL
- Long lifetime of 40,000 hours
- 110° wide beam angle
- CCT: 3000K 4000K
  5000K 5700K
- No UV/IR light
- Environment friendly, without Mercury or any other hazardous substances

Application notes

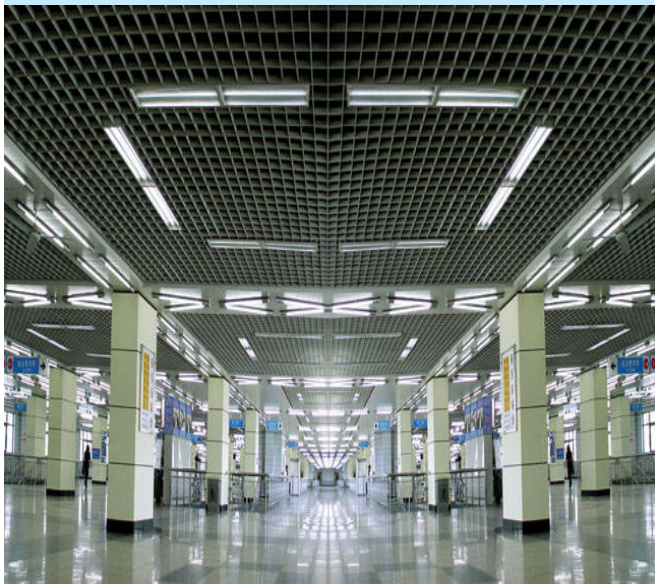
- IP20 for indoor use only
- Professional electrician for installation only
- Switch off before installation
- Do not touch when in use
- Keep away from hot steam and corrosive gas

Application Areas

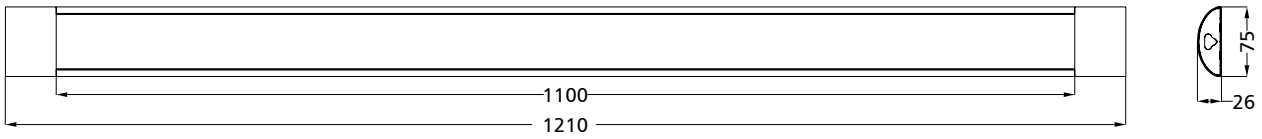
it is suitable for commercial and industrial use, such as super market, garage, office building, workshop etc.

Certificate

RoHS



Product Information



Technical Specifications

Model	Voltage	Power	Power Factor	Lumen (±5%)	Beam angle	CCT	Lifespan	CRI	Dimmable	Dimension
UP-DB01-42W	AC100-277V	42W	≥0.9	3530	110°	3000K	40000h	≥80	No	1210*75*26mm
UP-DB01-42W	AC100-277V	42W	≥0.9	3610	110°	4000K	40000h	≥80	No	1210*75*26mm
UP-DB01-42W	AC100-277V	42W	≥0.9	3570	110°	5000K	40000h	≥80	No	1210*75*26mm
UP-DB01-42W	AC100-277V	42W	≥0.9	3650	110°	5700K	40000h	≥80	No	1210*75*26mm

Driver data Sheet

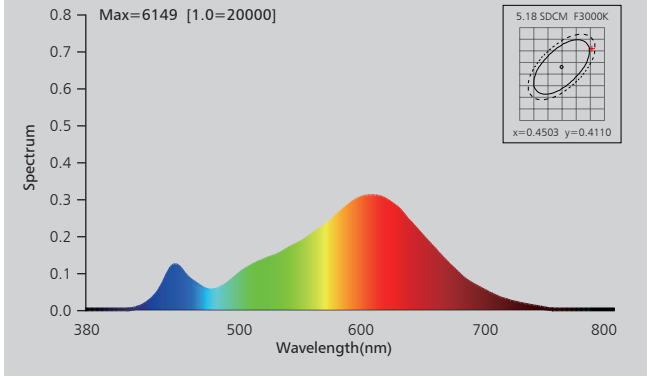
Driver data	Non-dim
Input rated Voltage	AC100-277V
Frequency	50/60Hz
Input Voltage	AC90-305V
Efficiency	≥90%
Total load Wattage	2*21W±5%
Power Factor	≥0.9
Rated input current	≤2*0.24A
Full load output Voltage	DC64-72V
Rated output current	2*280mA
Output current range	2*280mA±5%
Power tolerance	±5%
Current output tolerance	±5%
Short circuit protection	PASS
Over voltage protection	PASS
Over temperature protection	PASS
THD	≤30%
Withstand voltage	AC1500V

Fixture Compatibility

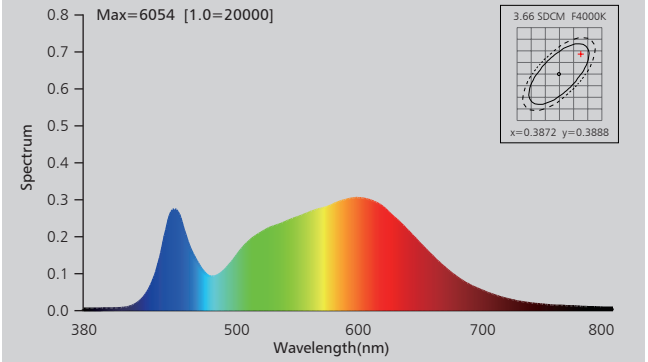
Rated Wattage	Electrical Classification	Ingress Protection	Operating Temp	Operating Humidity	Storage Temp
42W	I	IP20	-20°C~45°C	0~90%	-20°C~65°C

Spectral Distribution

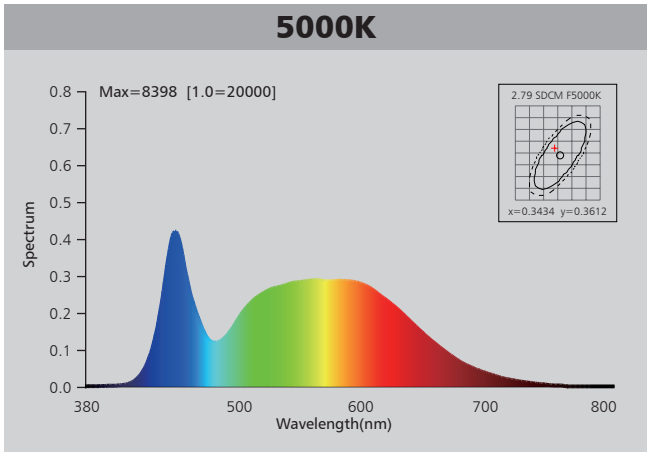
3000K



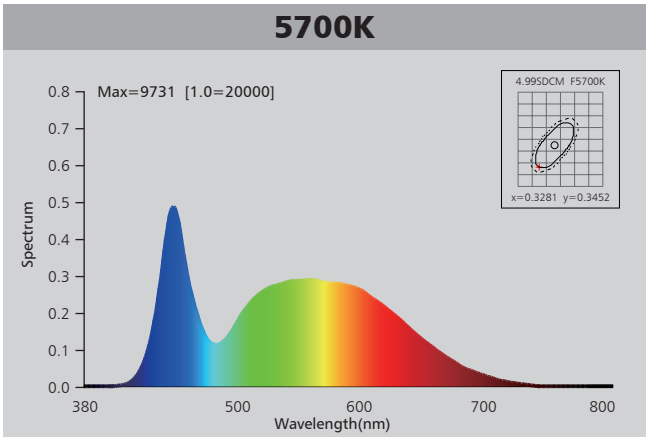
4000K



5000K

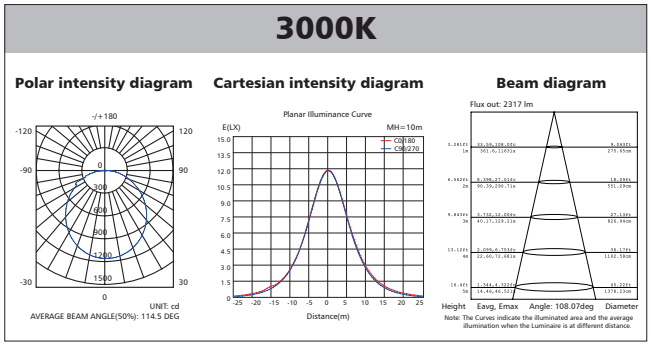


5700K

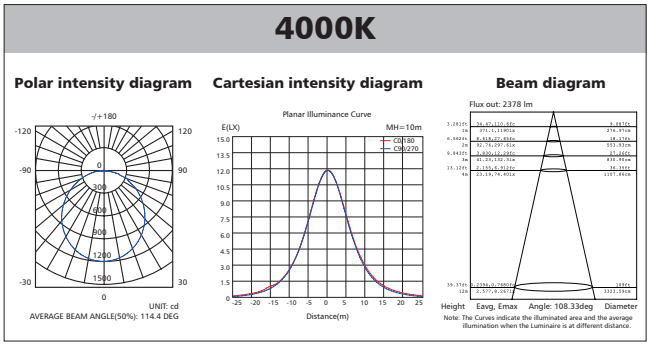


Photometric Diagram

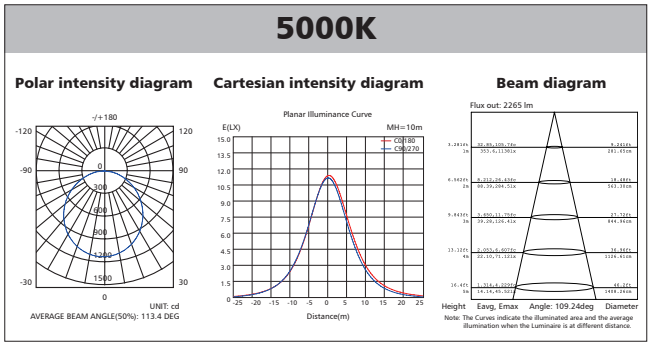
3000K



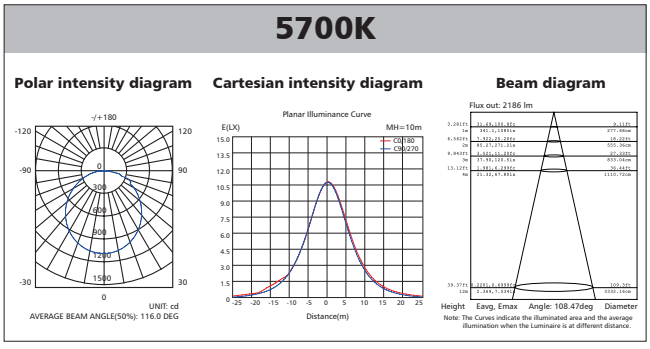
4000K



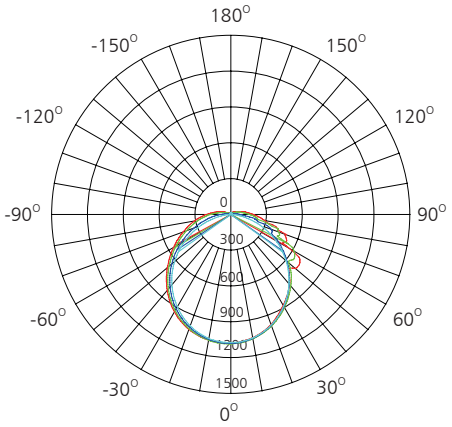
5000K



5700K



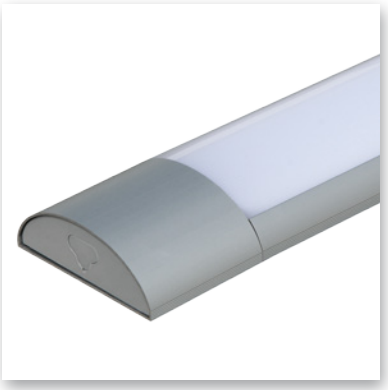
Polar Diagram Comparison



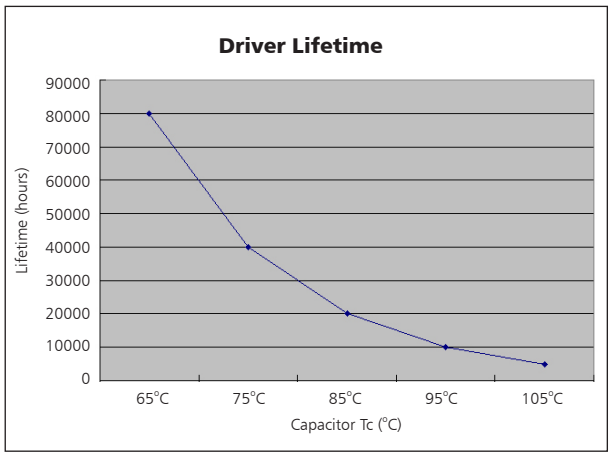
AVERAGE BEAM ANGLE (50%): 116.0DEG

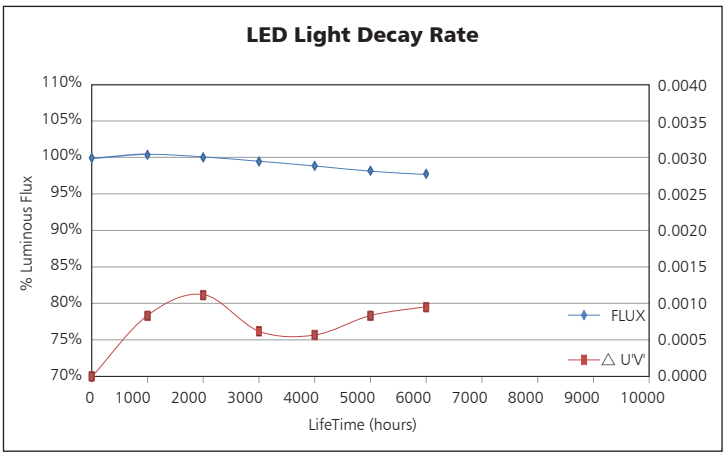
UNIT: cd

- C0/180, 121.5 deg
- C30/210, 122.1 deg
- C60/240, 111.7 deg
- C90/270, 108.8 deg



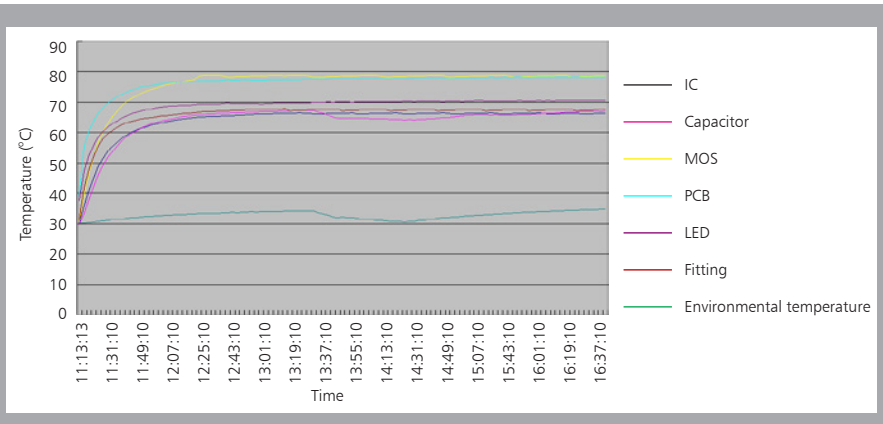
Driver lifetime & LED light decay rate





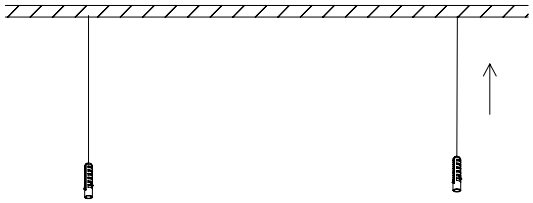
Temperature

- The testing is operated at 25°C
- The lifetime of capacitor, minimum of 5,000 hours if operated at 105°C, will be doubled whenever the temperature drops 10°C
- The highest withstand temperature of IC, MOS could be 120°C
- The highest withstand temperature of LED junction temperature is 150°C

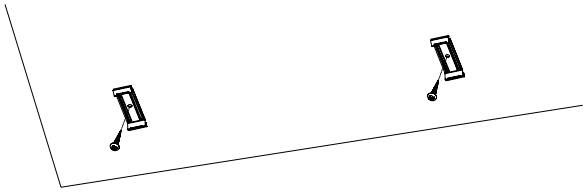


The driver lifespan is based on capacitor working temperature.

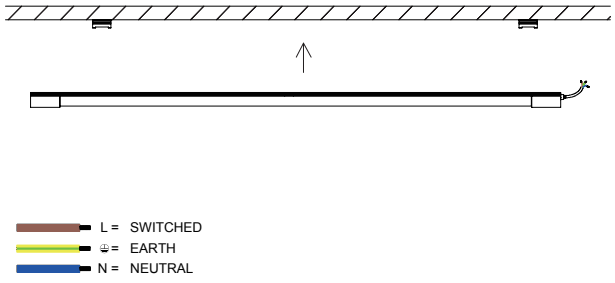
Installation



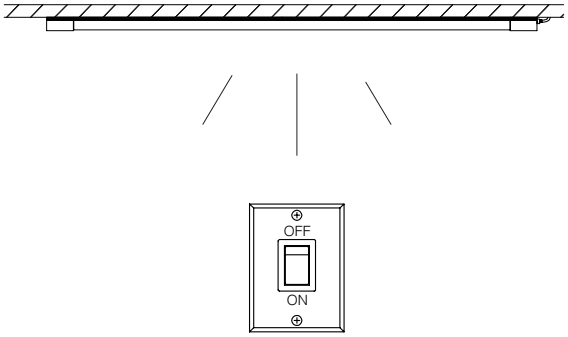
Step 1. Knock-in the plastic anchor into ceiling



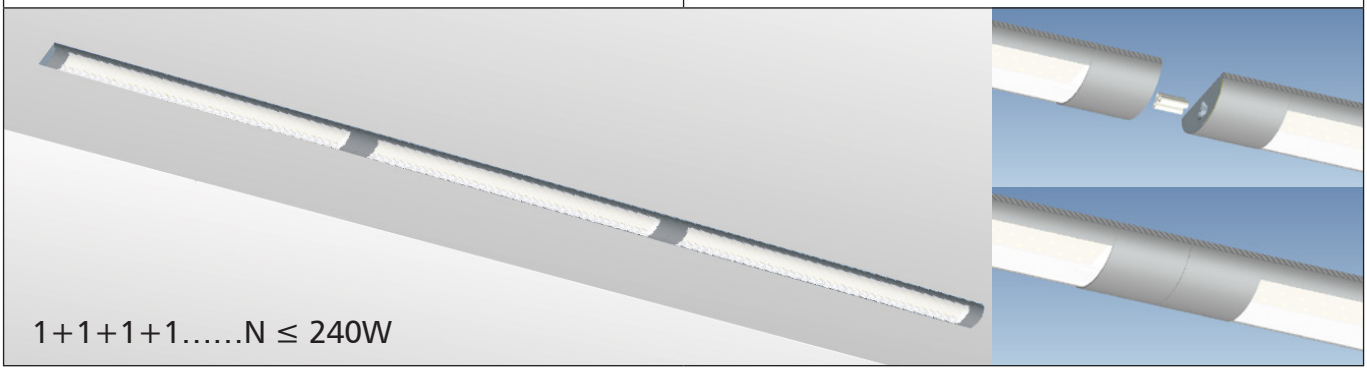
Step 2. Fastening the clips on the ceiling



Step 3. Connect the power supply and hang the fixture back to the clips



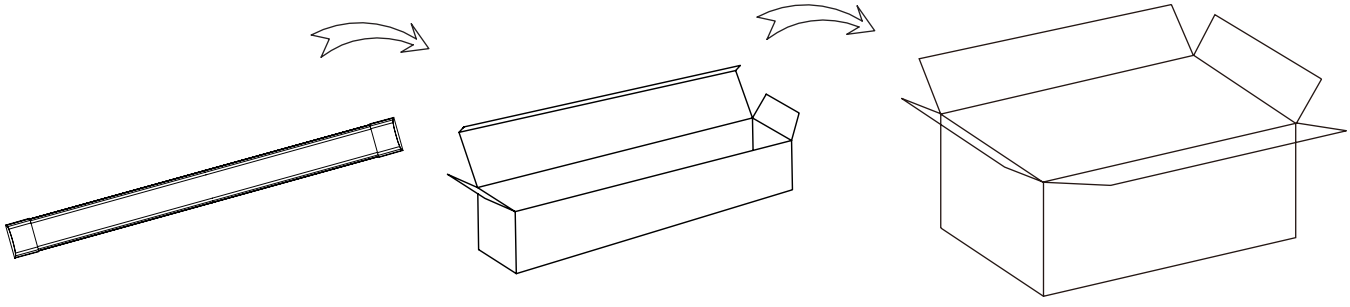
Step 4. Restore power supply, switch on and test for correct operation



Packaging Information

	SIZE(CM)	N.W/pc (KGS)	G.W.(KGS)	Q'TY(PCS)
Carton	126*46*18.5	0.75	20.5	20

	CTNS	Q'TY(PCS)	VOLUME(CBM)
20" standard container	258	5160	28
40" standard container	516	10320	56



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