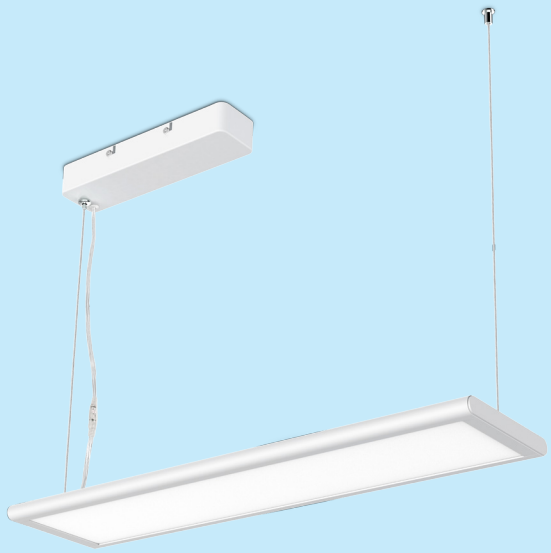


# FDV

# BA- Lighting AS Double-emitting Batten

BA316-DB15-30WD

# Introduction



DB15 suspending led batten light is a double-emitting luminaire designed with 270° wide beam angle. Distribute 60% lumens downwards to satisfying the basic requirement for activities and 40% lumens upwards to creating a brilliant lighting atmosphere. The double-emitting batten is equipped with high brightness SMD LED in high color rendering and top quality LGP to provide extremely uniform lighting. Appearance design looks fashionable and elegant with unique round curved profile, this makes our DB15 ideal for decorative and illumination.

- Up to 80% energy saving compared to standard CFL
- Long lifetime of 40,000 hours
- Triac dim
- 270° wide beam angle
- CCT: 3000K 4000K 5000K 5700K
- No UV/IR light
- Environment friendly, without Mercury or any other hazardous substances

## Application notes

- IP40 for indoor use only
- The lamp must be installed by professional electrician
- Ensure the power supply is switched off before fitting this product
- Do not touch the lamp when in use
- Keep away from hot steam and corrosive gas

## Application Areas

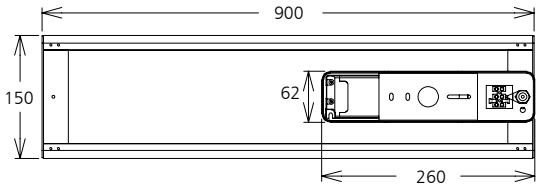
Widely used in office, meeting room, hotel, school etc.

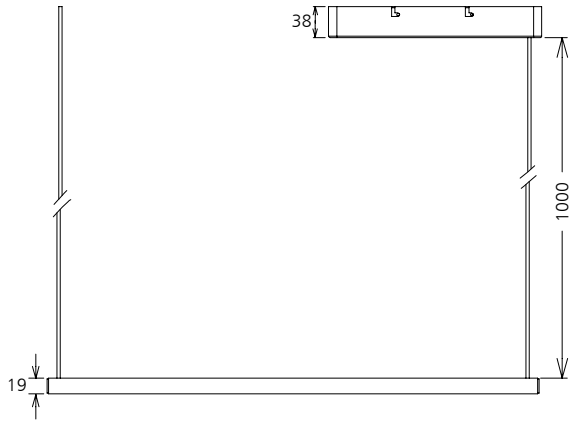
## Certificate

CE RoHS



# Product Information




## Technical Specifications

| Model | Voltage | Power | Power Factor | Lumen (±5%) | Beam angle | CCT | Lifespan | CRI | Dimmable | Dimension |
|---|---|---|---|---|---|---|---|---|---|---|
| BA-DB15-0.9-30W | AC230V | 30W | ≥0.9 | 2010 | 270° | 3000K | 40000h | ≥80 | No | L900*W150*H19mm |
| BA-DB15-0.9-30W | AC230V | 30W | ≥0.9 | 2400 | 270° | 4000K | 40000h | ≥80 | No | L900*W150*H19mm |
| BA-DB15-0.9-30W | AC230V | 30W | ≥0.9 | 2190 | 270° | 5000K | 40000h | ≥80 | No | L900*W150*H19mm |
| BA-DB15-0.9-30W | AC230V | 30W | ≥0.9 | 2280 | 270° | 5700K | 40000h | ≥80 | No | L900*W150*H19mm |
| BA-DB15-0.9-30W-D | AC230V | 30W | ≥0.9 | 1980 | 270° | 3000K | 40000h | ≥80 | Yes | L900*W150*H19mm |
| **BA316-DB15-0.9-30WD** | AC230V | 30W | ≥0.9 | 2310 | 270° | 4000K | 40000h | ≥80 | Yes | L900*W150*H19mm |
| BA-DB15-0.9-30W-D | AC230V | 30W | ≥0.9 | 2130 | 270° | 5000K | 40000h | ≥80 | Yes | L900*W150*H19mm |
| BA-DB15-0.9-30W-D | AC230V | 30W | ≥0.9 | 2220 | 270° | 5700K | 40000h | ≥80 | Yes | L900*W150*H19mm |

## Driver data Sheet

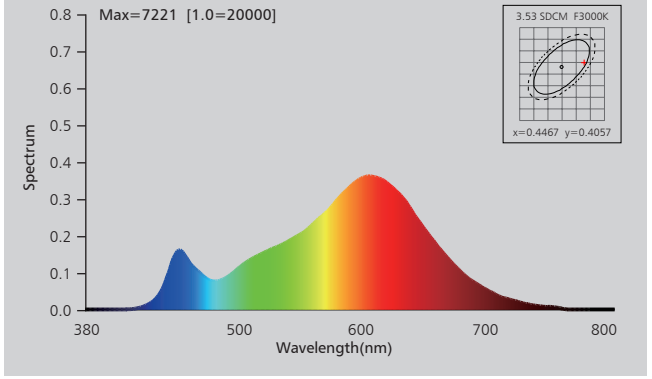
| Driver data | DIM | Main Power |
|---|---|---|
| Input rated Voltage | AC230V | AC230V |
| Frequency | 50Hz | 50Hz |
| Input Voltage | AC200-240V | AC200-240V |
| Efficiency | 83% | ≥86% |
| Total load Wattage | 30W±5% | 30W±5% |
| Power Factor | ≥0.9 | ≥0.9 |
| Rated input current | ≤0.2A | ≤0.2A |
| Full load output Voltage | DC23-40V | DC24-40V |
| Rated output current | 700mA | 700mA |
| Output current range | 700mA±5% | 700mA±5% |
| Power tolerance | ±5% | ±5% |
| Current output tolerance | ±5% | ±5% |
| Dimming range | 8%-100% | – |
| Dimmer | Triac dimmers | – |
| Short circuit protection | PASS | PASS |
| Over voltage protection | PASS | PASS |
| Over temperature protection | PASS | PASS |
| THD | <20% | <20% |
| Withstand voltage | AC1500V | AC1500V |

## Fixture Compatibility

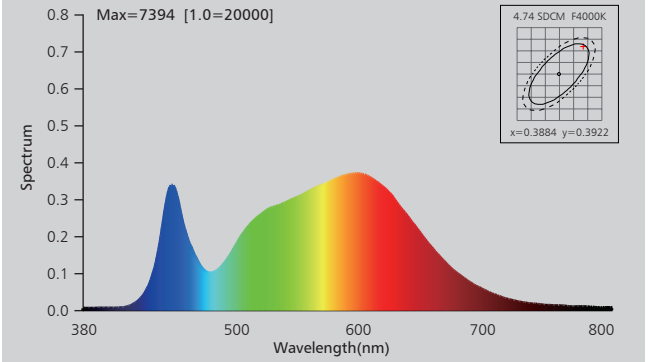
| Rated Wattage | Electrical Classification | Ingress Protection | Operating Temp | Operating Humidity | Storage Temp |
|---|---|---|---|---|---|
| 30W | I | IP40 | -20°C~45°C | 0~90% | -20°C~65°C |

# Spectral Distribution

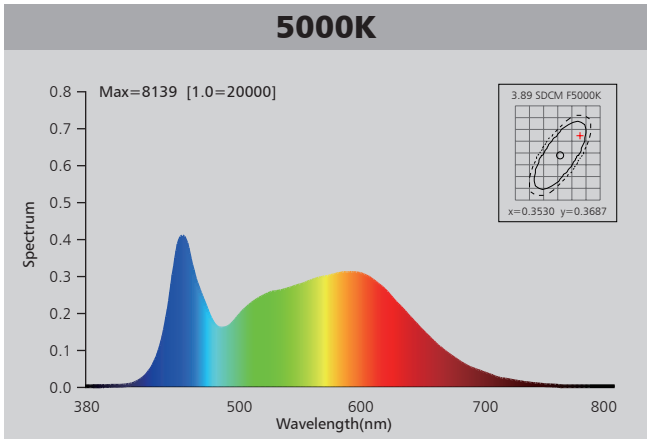
## 3000K



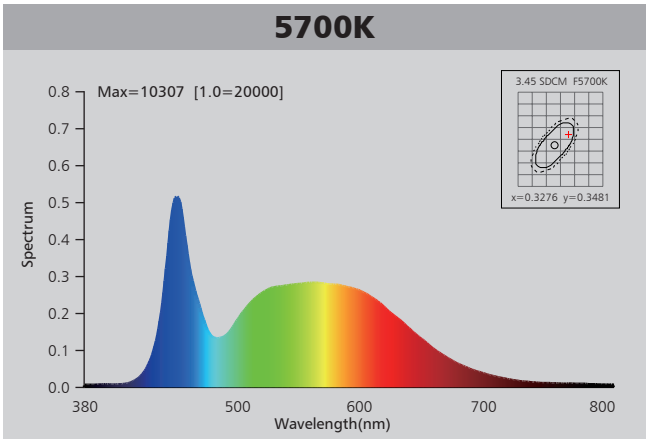

## 4000K




## 5000K

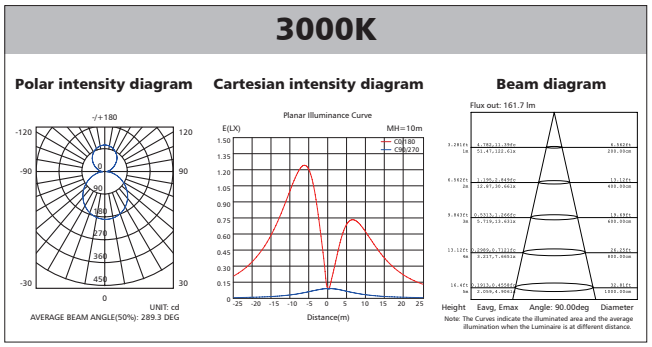



## 5700K

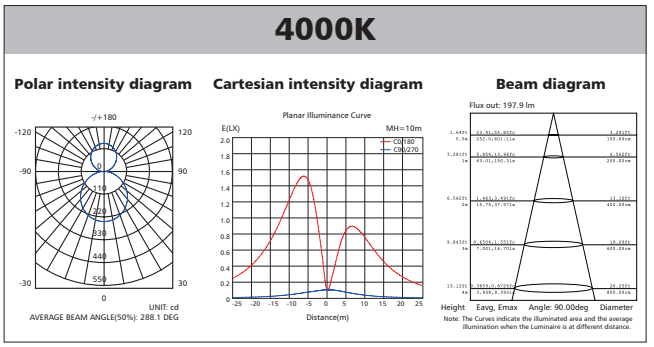



# Photometric Diagram

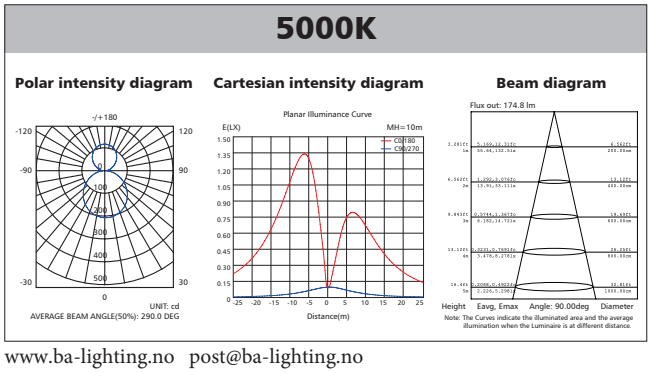
## 3000K



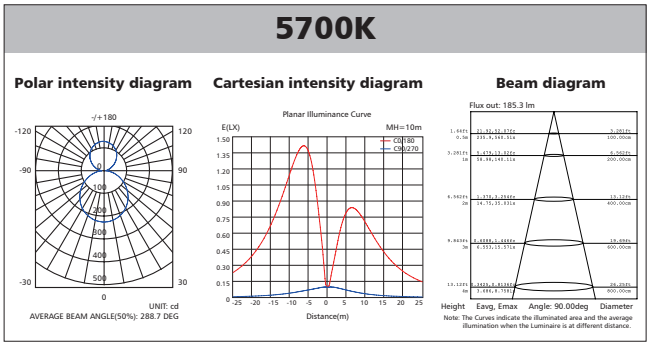

## 4000K



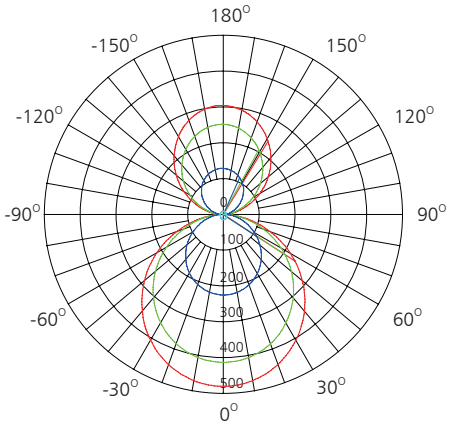

## 5000K




## 5700K



## Polar Diagram Comparison



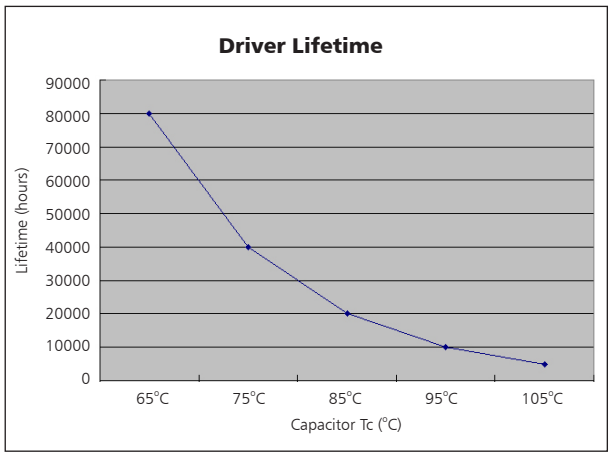

AVERAGE BEAM ANGLE (50%): 288.7DEG

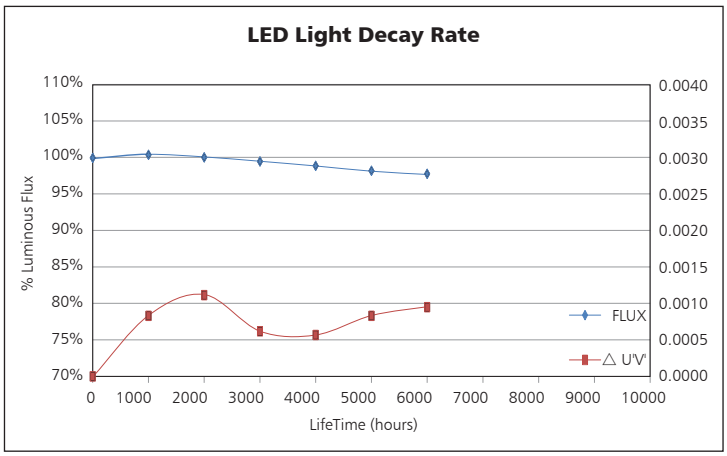
**UNIT: cd**

- C0/180, 268.4 deg
- C30/210, 265.7 deg
- C60/240, 260.7 deg
- C90/270, 360.0 deg



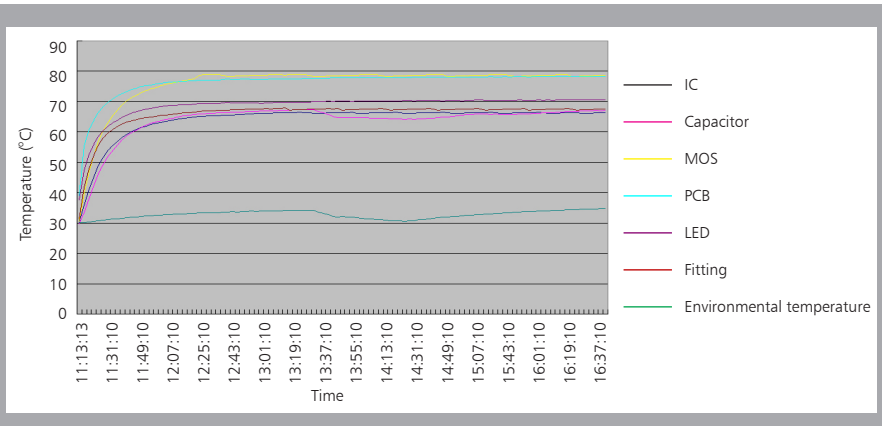
## Driver lifetime & LED light decay rate




## 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

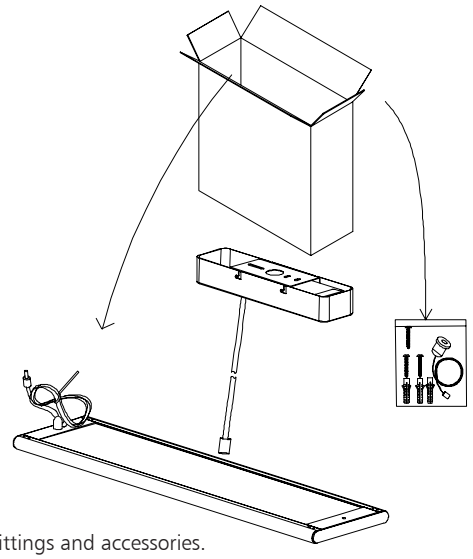





The driver lifespan is based on capacitor working temperature.

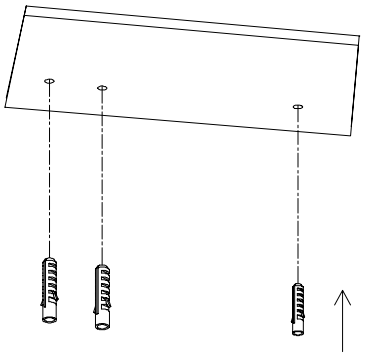
# Installation 1

STEP 1



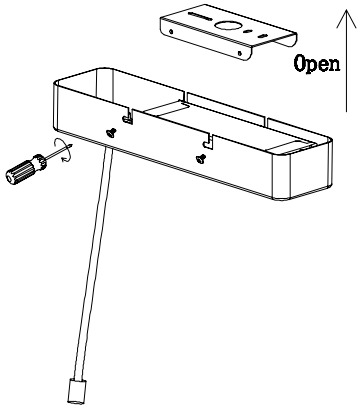
Take out the fittings and accessories.

STEP 2



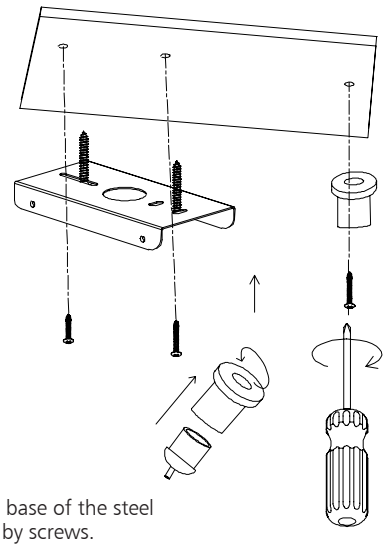
Knock the plastic anchor into ceiling.

STEP 3



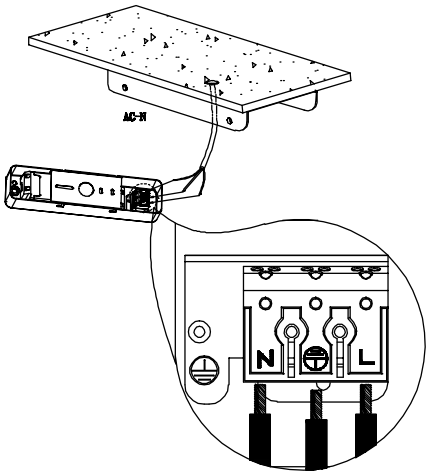

Take the bracket out from driver box.

STEP 4



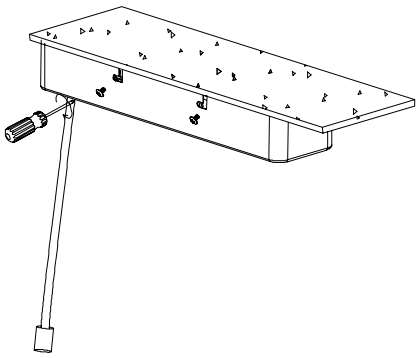
Fix the bracket and base of the steel wire on the ceiling by screws.

STEP 5




Power off. Connect the L/N/G wires to the connection terminals in the driver box.

STEP 6



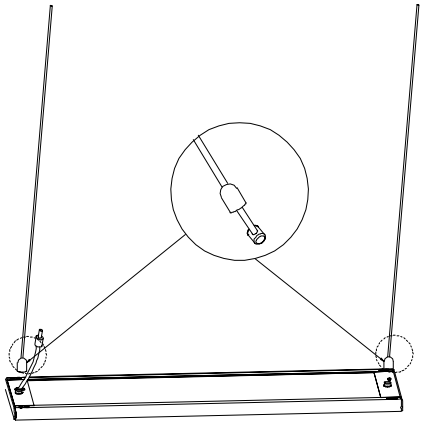
Attach the driver box to the bracket and fix it by screws.

STEP 7



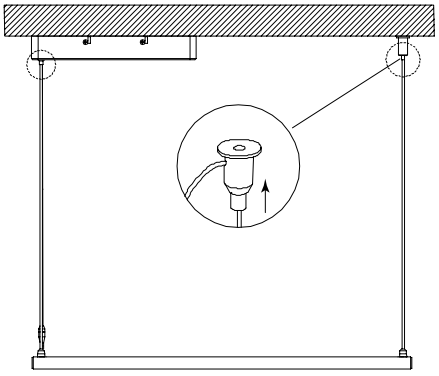
Fasten the steel wire base onto the latten with screws.

STEP 8



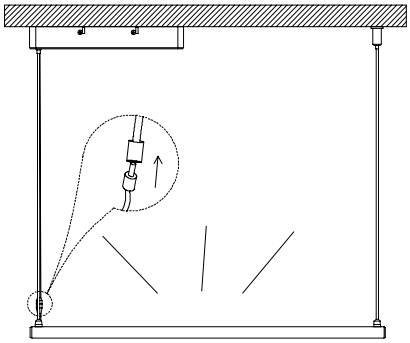
Connect the steel wires to the base until it's tightened.

STEP 9



Connect the other end of steel wire to the base on the ceiling.

STEP 10

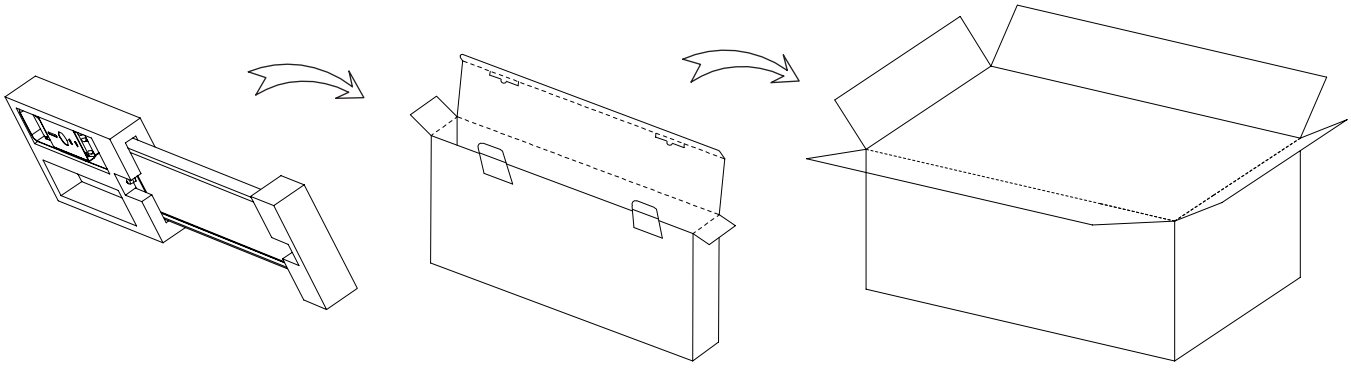



Connect the DC plug, adjust the length of hanging wire to proper height. Restore the power and switch on.

## Packaging Information

| | SIZE(CM) | N.W/pc (KGS) | G.W.(KGS) | Q'TY(PCS) |
|---|---|---|---|---|
| Carton | 125*43.5*23 | 2.86 | 18.6 | 6 |

| | CTNS | Q'TY(PCS) | VOLUME(CBM) |
|---|---|---|---|
| 20" standard container | 222 | 1332 | 28 |
| 40" standard container | 444 | 2664 | 56 |



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