MELODY INT'L GROUP LTD

Specification

Revolutionary LED Linear Fixture - DIY LED Cabinet Light

"EXTRA SLIM & NO SPOT DOT
PERFECT LIGHTING DISTRIBUTION
Shadow-free connection compact linear strip"

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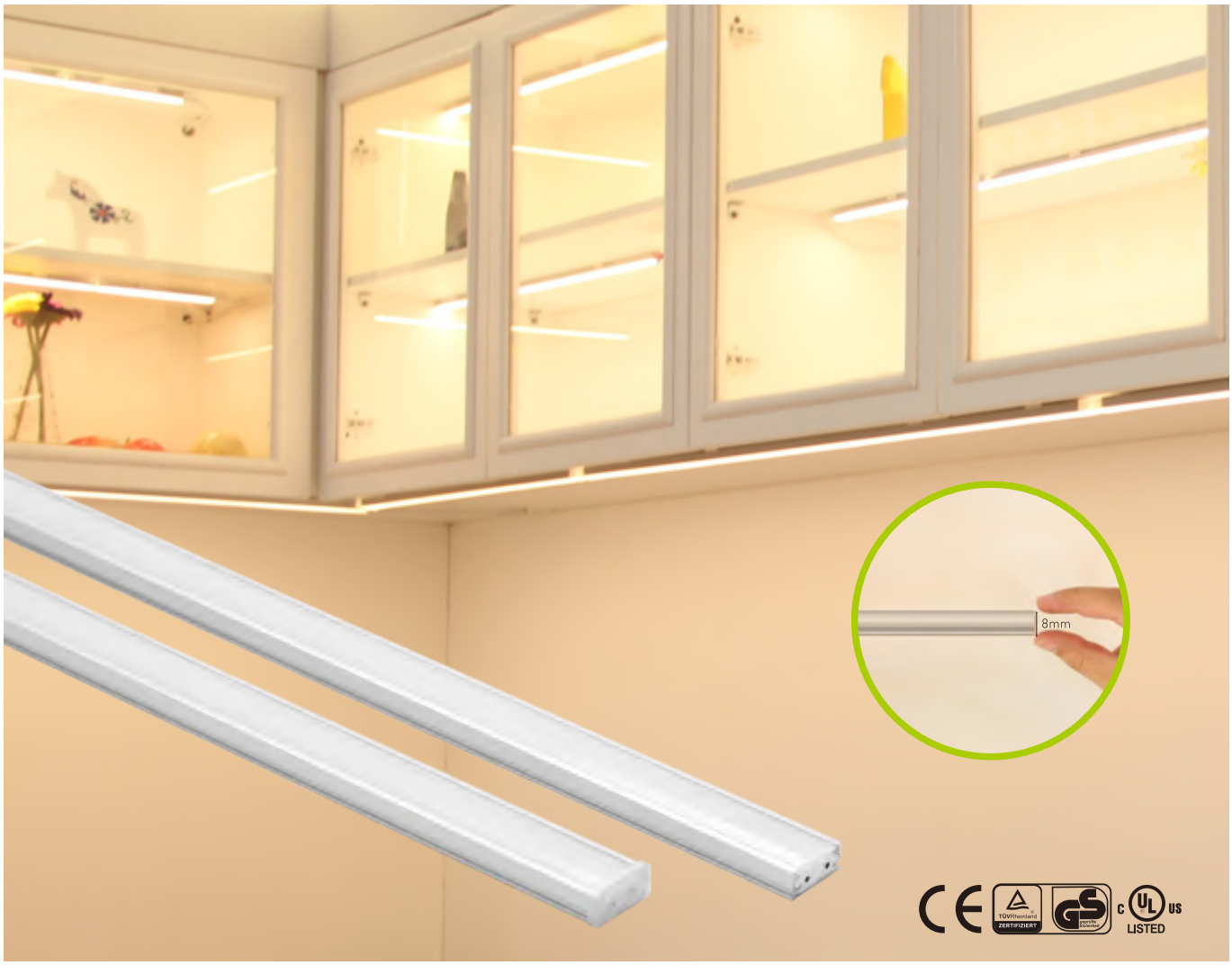
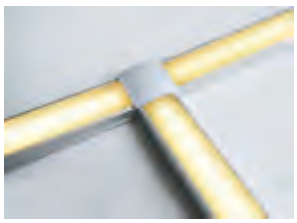




Attention:

This manual contains important operation information. Read and understand all instructions prior to powering on unit the first time. Keep this manual in a safe place for future reference.

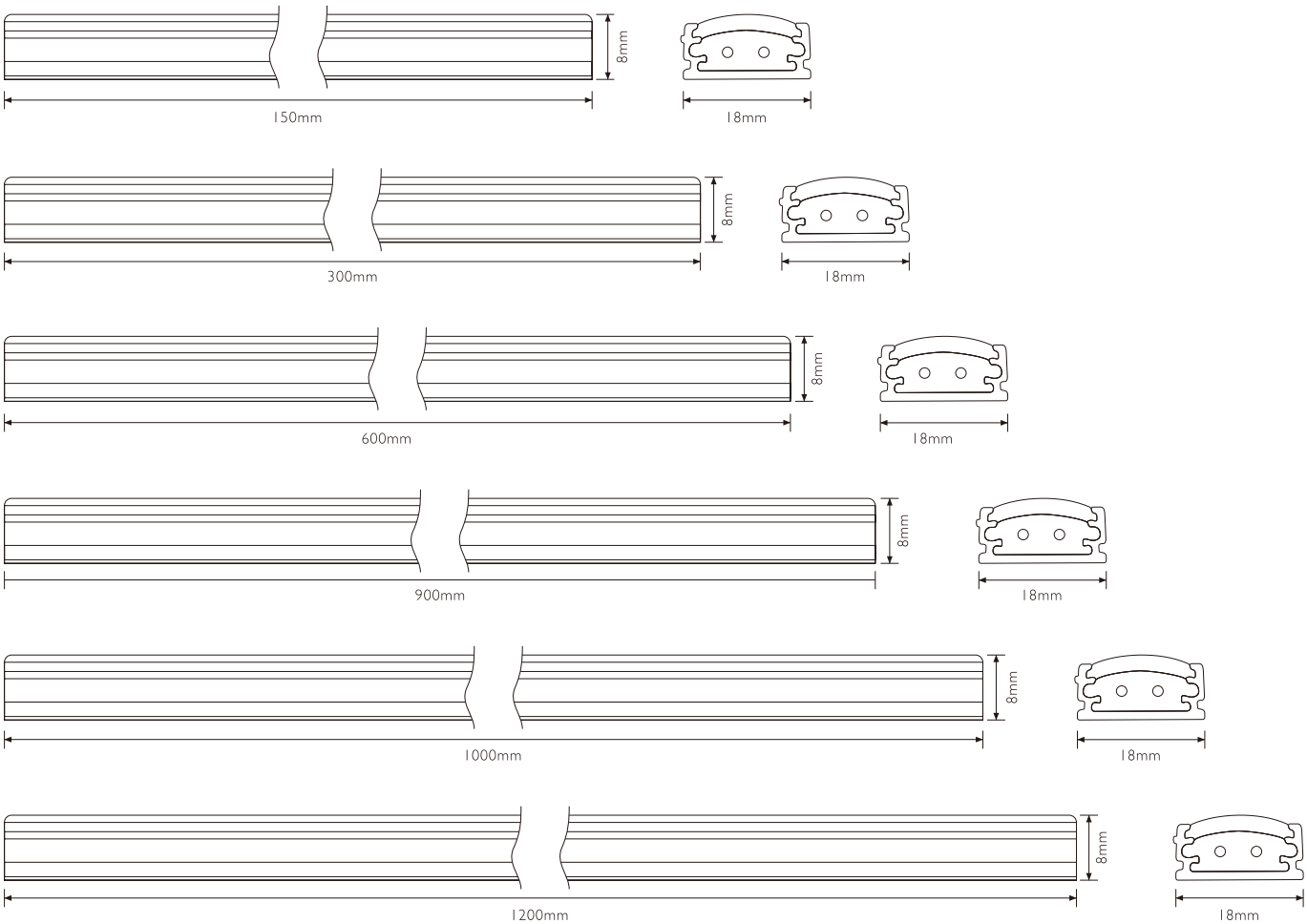
Product Features

- Perfect lighting distribution, No spot dot inside the lamp when lighting.
- Super slim LED liner bar.
- DIY link - Quick connection system between light bars.
- Six kinds of lengths available, also can design as your need.
- Various installation methods.
- To be used with DC24V/12V driver.
- Full set of accessories for various solutions.
- Constant Voltage circuit design support 6m link with tiny light difference.

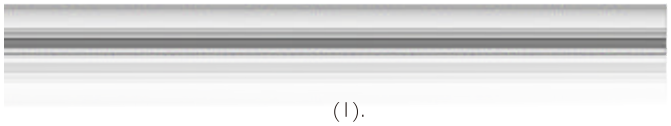
Specification

- Voltage: DC 24V (DC 12V version is optional).
- Operating temperature: 32~113F(0-45°C).
- Lamp life: 40 000hrs / 70%.
- Available color: 2700K, 3000K, 4000K, 6000K.
- Color rendering: Ra>80. (Ra>90 is optional)
- Energy efficiency: 70Lm/W.
- Degree of protection: IP20.

Dimension



Technology Parameter



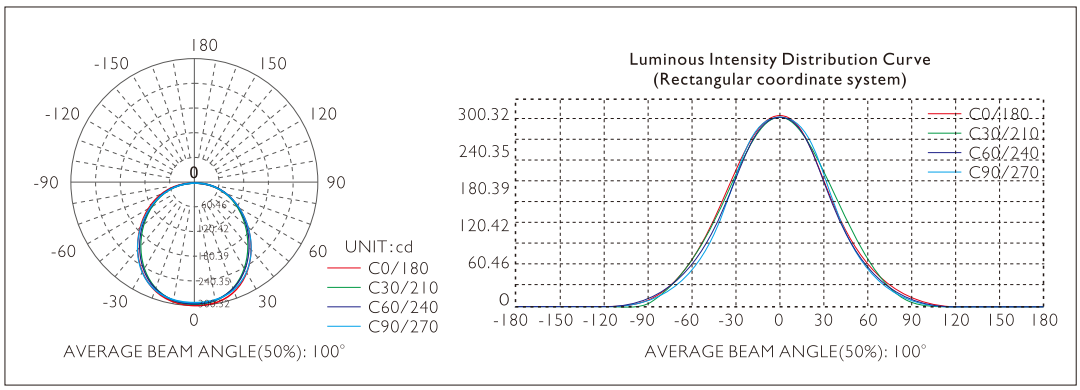
(1).

(2).

Item No.	CLB015-3W	CLB030-5W	CLB-060-9W	CLB-090-14W	CLB-100-15W	CLB-120-17W
Length (mm)	150	300	600	900	1000	1200
Watt (W)	3	5	9	14	15	17
LED Qty (pcs)	18	36	72	108	126	144
Voltage (V)	DC24	DC24	DC24	DC24	DC24	DC24
Lumens (lm)	180-210	300-350	540-630	840-980	900-1050	1020-1190
Light Efficacy (lm/W)	60-70	60-70	60-70	60-70	60-70	60-70
CCT (K)	2700/3000/4000/6000					
CRI (Ra)	82/92					
Beam Angle (°)	100	100	100	100	100	100
Dimmable	YES	YES	YES	YES	YES	YES
Power Factor (PF)	1	1	1	1	1	1
Lifetime (Hrs)	40 000	40 000	40 000	40 000	40 000	40 000

Optical Property

Light distribution: symmetry lighting
CCT : 3000K
Length: 1m



AVERAGE BEAM ANGLE(50%): 100°
Luminous Intensity Distribution Curve

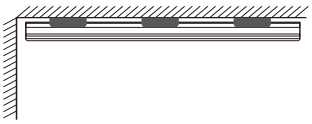
Attention

1..The above luminous intensity distribution curve only represent the testing result of 1 meter 3000K CCT.
2..The above testing data of luminous intensity distribution curve only for testing reference,not present the data of every product.
3..The luminous intensity distribution curve will vary with the power and color temperature of the product.This series product,color can be 2700K,3000K,4000K,6000K .
4..The testing data of luminous intensity distribution curve will vary with each test instrument.

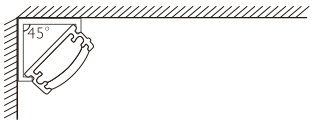
➲ Installation & Accessories

Step 1 .Installation

There are three ways to fix with differencet accessories.
1...Install with Fixing clips

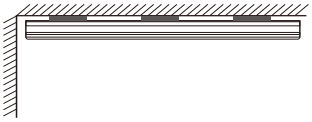


▲Fixing clips (FC-26)



▲Fixing clips-45° (FC-25)

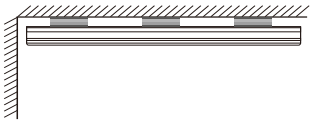
2...Install with 3M



▲3M (FC-24)

3....Install with 3M + Magnet plate & 3M + Iron plate

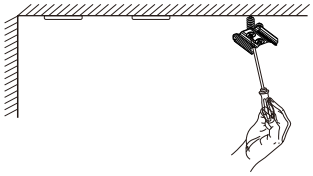
▲3M+Magnet plate
(FC-21)



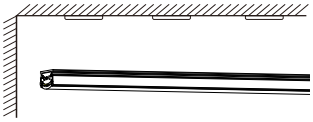
▲3M+Iron plate
(FC-22)

2). Installation steps for three ways with different accessories.

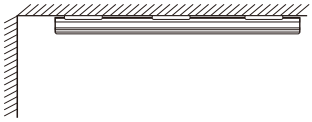
A ...Install with fixing clips



1. Make sure the clips to be installed in a line in proper distance between each one.

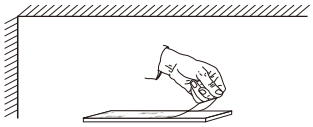


2. Using the screws to fix the clips

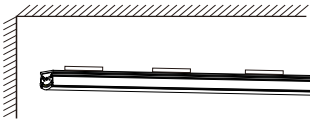


3..Install into the clips

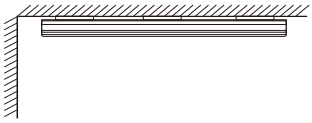
B...Install with 3M adhesives



1. Stick the 3M adhesives on the back in a proper distance between each one

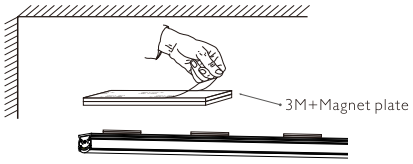


2.Paste it on the place to be installed

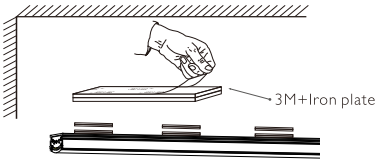


3. Paste it on the place to be installed

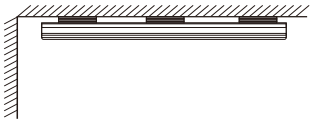
C...Install it with 3M + Magnet plate & 3M + Iron plate



1. Stick the magnets on the back with 3M adhesive in a proper distance between each one

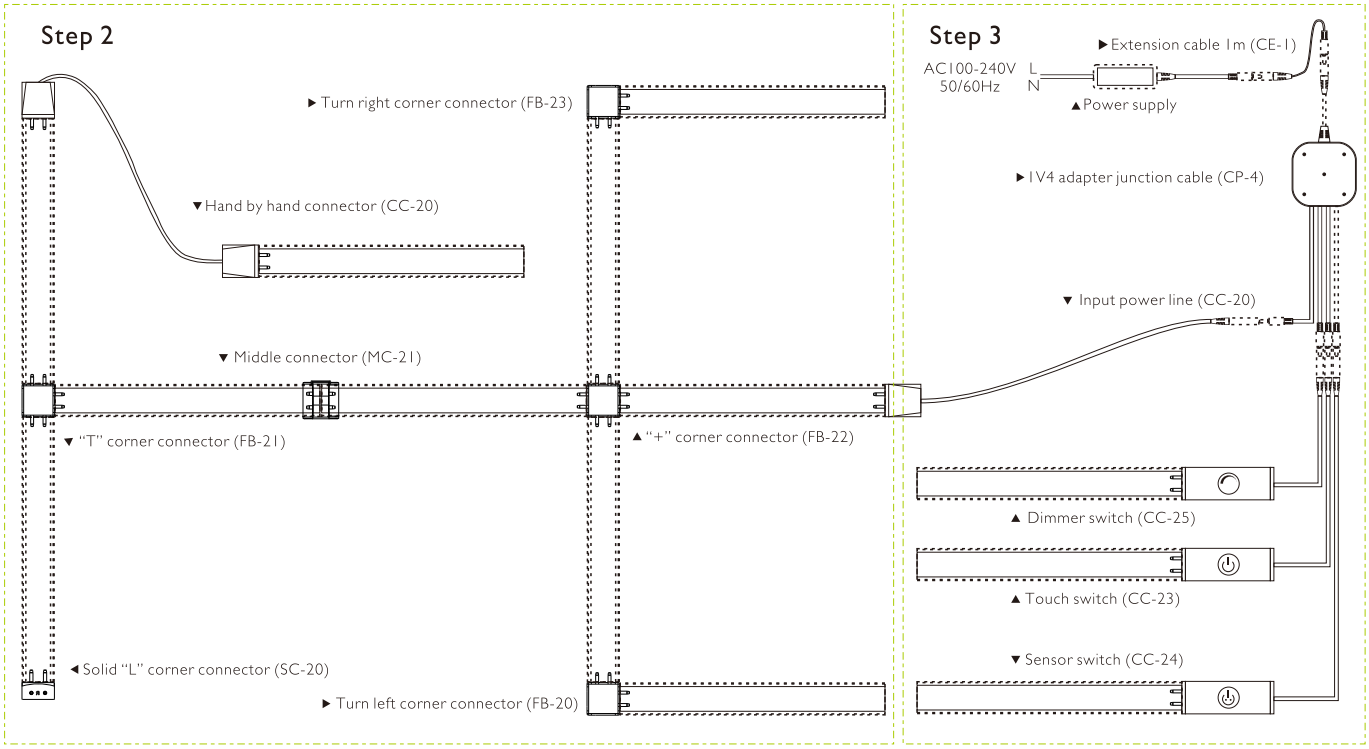


2. Put the iron on the magnet.



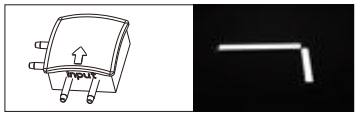
3. Paste it on the place to be installed

Step 2. Many kinds of corner connector & extension cable can be easily to make DIY LINK come true.

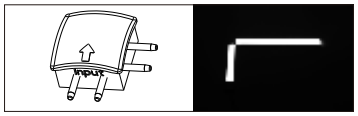


Step 2. Many kinds of corner connectors & extension cables can be easily to make DIY LINK come true.

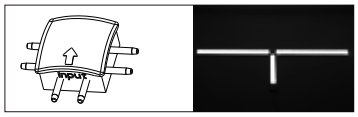
1). Corner Connector: By various corner connectors, you can realize different direction corner linking in 90° .



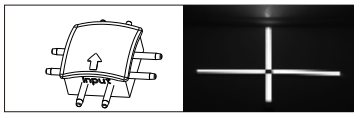
▲ Left corner connector (FB-20)
Support to turn left around the corner.
To connect two light bars together left "L".



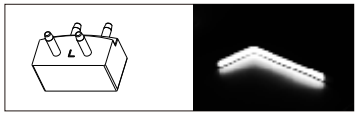
▲ Right corner connector (FB-23)
Support to turn right around the corner.
To connect two light bars together right "L".



▲ "T" corner connector (FB-21)
Support to turn left & right.
To connect three light bars together like "T".



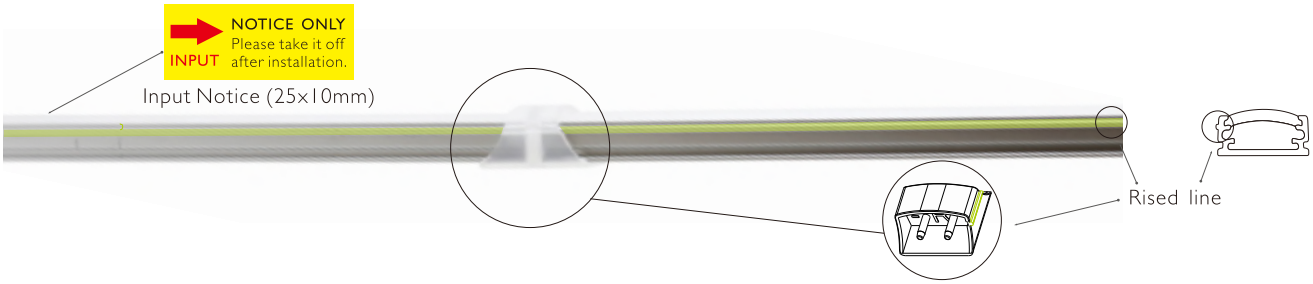
▲ "+" corner connector (FB-22)
Support to turn up and down & right and left.
To connect 4 light bars together like "+".



▲ Solid "L" corner connector (SC-20)
Support the connection in the spacial vertical corner.

▲ Middle connector (MC-21)
Connect two lighting bars together.

Attention:

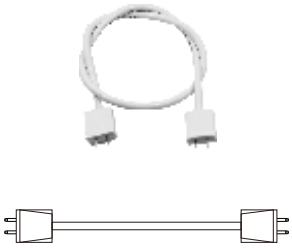


1. When using corner connector or middle connector, please notice the mark on them.
2. There is a special design on the product--a line on one side of the mini link. When linking two bars, please keep the line in the same side.
3. Constant voltage circuit design support 6m link with tiny light difference.
4. Please pay attention to the input notice tag when you install the lamp. After having finished installing, please remove it together with the film membrane on the plastic cover.

2). Extension cable :By below cables,it can be used in any installation situation

▲ IV4 adapter junction cable (CP-4)
Support 4 lines output while 1 power input.To connect 4 light bars in parallel.

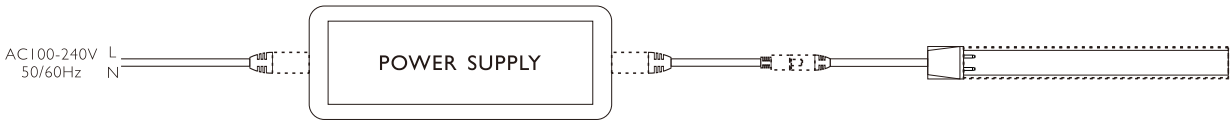
▲ Extension cable 1m (CE-1)
To add the distance between the power and the switch. The common length of the extension cable is 1M.



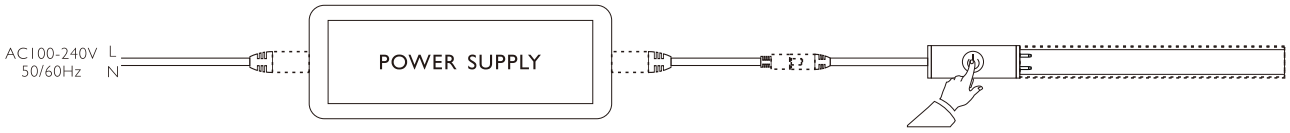
▲ Hand by hand connector (CE-20)
To connect two light bars together when there is a distance between them. The common length of the connecting cable is 0.5M.

Step 3. When plug in, here there are 4 kinds of switches for choice.

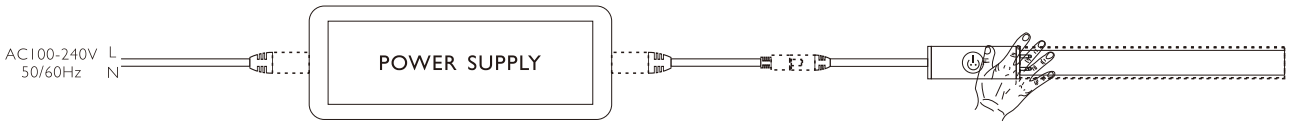
1). Input power line (CC-20): Plug and play function.



2). Touch switch (CC-23): Press this switch one time to turn on and off.



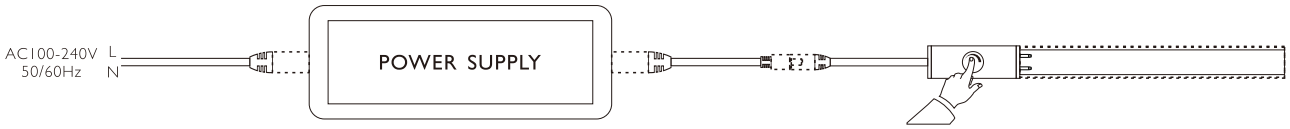
3). Sensor switch (CC-24): Wave your hand within 15cm of this switch to turn on and off.

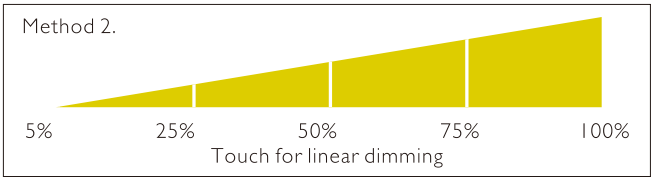


4). Dimmer switch (CC-25): Two methods of dimming.

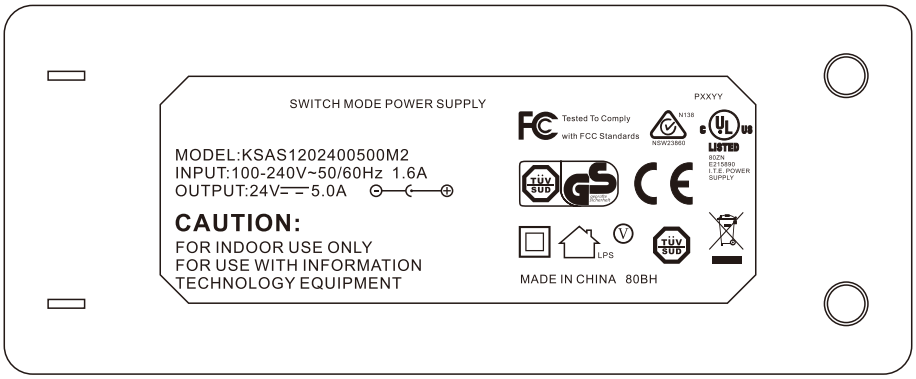
1. Press one time to turn on and keep your finger on the switch to dimming smoothly from 0%~100%. Remove your finger to stop dimming. Press twice quickly to turn off. (Like below picture method 1.)

2.Press one time to turn on and Press one by one separately to dimming from 25% ~50%~ 75% to 100%. Remove your finger to stop dimming. Press twice quickly to turn off. (Like below picture method 2.)



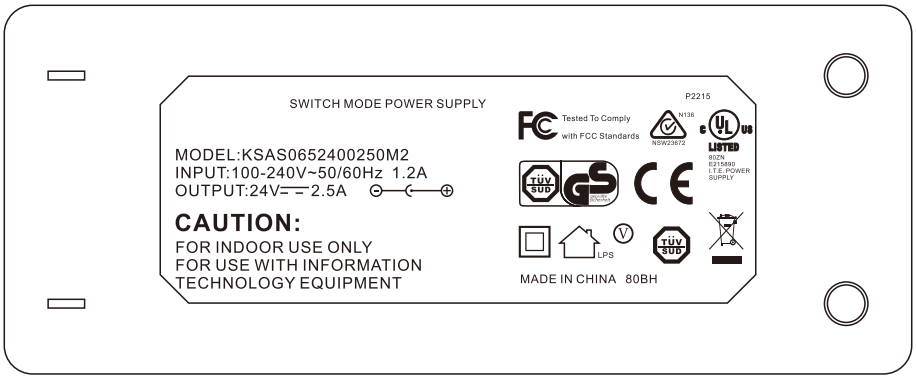


5). Power supply instruction: For 24V there are three kinds of driver for choice. Please comply to the real situation to use choose the driver. Below is the specification and approved mark of the drivers. If you need detail information, please contact with our salesman.

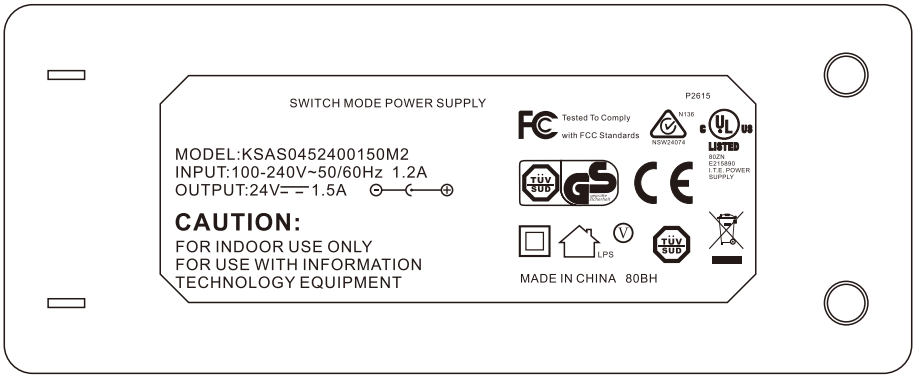


120W Power supply (165x65x35mm)

4). Power supply instruction: For 24V there are three kinds of driver for choice. Please comply to the real situation to use choose the driver. Below is the specification and approved mark of the drivers. If you need detail information, please contact with our salesman.

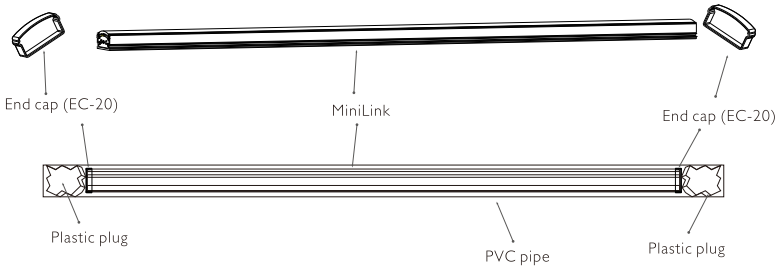


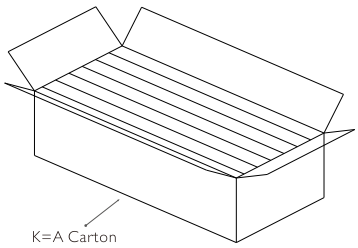
60W Power supply (110x50x30mm)



36W Power supply (100x50x30mm)

Package for project





Model / Item	CLB015-3W	CLB030-5W	CLB-060-9W	CLB-090-14W	CLB-100-15W	CLB-120-17W
PVC Pipe Size	190x21.5x12mm	340x21.5x12mm	640x21.5x12mm	940x21.5x12mm	1040x21.5x12mm	1240x21.5x12mm
Qty / Pipe	1	1	1	1	1	1
Carton Size	266x205x96mm	355x266x96mm	655x266x96mm	1055x136x96mm	1055x136x96mm	1255x136x96mm
Qty / Carton	80pcs	80pcs	80pcs	40pcs	40pcs	40pcs
G.W.	3.8Kg	6Kg	11Kg	8.4Kg	9.2Kg	10.6Kg

Note: The real weight will be 0.5kg more or less.