A.Size of the LED Tube/Remote Controller/Solar panel

1.Size of LED tube:

590mm

566mm

40mm

45.5mm

DC5V(2000mA)
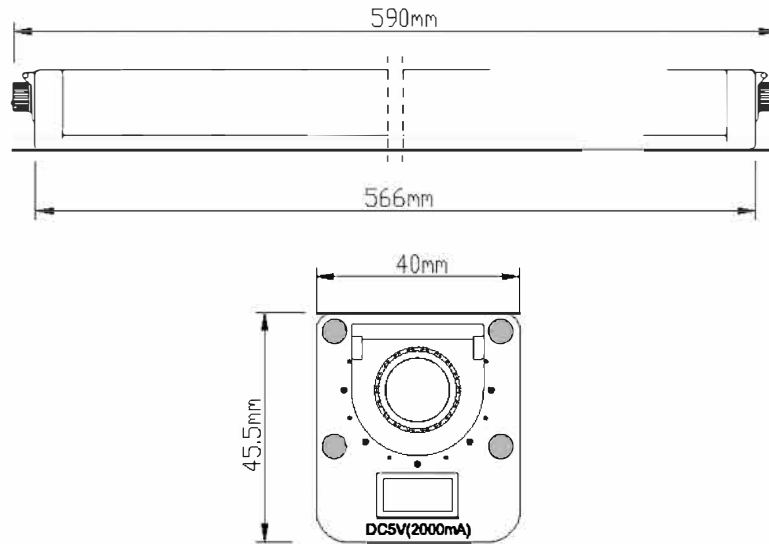
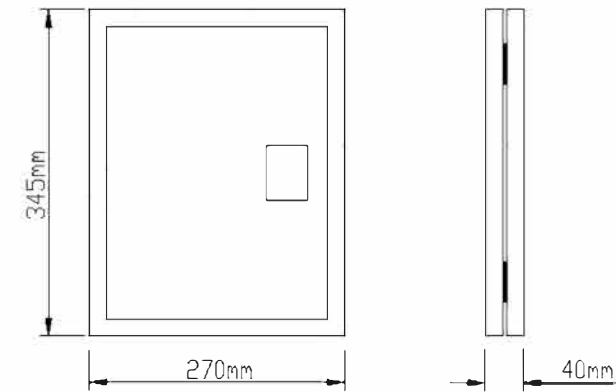### 2.Size of Remote Controller:

40mm

6mm

86mm

BRIGHTNESS

ON/OFF

BATTERY LEVEL

SL52/SL56/SL60

LOGO
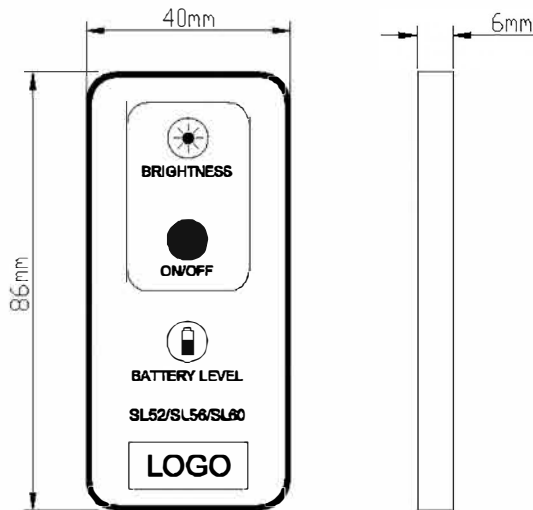
3.Size of Solar Panel:

Folded

345mm

270mm

40mm

Unfolded
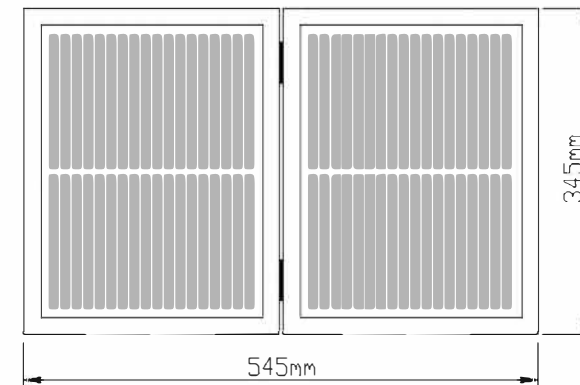
345mm

545mm

B.Main Specification:

1.Battery:Li-ion 2x4 14.8V/5200mAH

2.Solar Panel:

＊36pcs of Solar Cells   20W/18-19V/1000mA-1100mA

＊Folded Size: 345mmX270mmX40mm

＊Unfolded Size: 345mmX545mmX18mm

＊ Adjustable angle for placing: Optional for 25°- 65°

＊ Waterproof cable: 2*18# 4meters Ø5.5*2.5 charge cable;

1

2

3.Charging/Discharging:

✽ Charging by 20W solar panel;

✽ Or charging by AC-DC adapter (DC19V2A);

✽ When charging, the according battery indicator will flash once every 5sec., and when it is fully charged, the "High" battery indicator stays on.

✽ The charging is controlled by Microprogrammed Control Unit (MCU), the over-charge proection voltage is 16.70-16.80V;

✽ The discharging is also controlled by the MCU, the over-discharge voltage is 11.8-12.0;

4.LED Tube

✽ There are three brightness modes, can be controlled by manually, or by remote controller;

• High brightness more than 600mLM
  The work hours is more than 9.5hours when battery is full;

• Medium brightness is more than 700lm
  The work hours is more than 16hours when battery is full;

• Low brightness is more than 450lm
  The work hours is more than 25hours when battery is full;

✽ The MCU will switch off the tube when battery voltage is lower than 12V;

✽ Battery capacity display:

  • High/Medium/Low capacity indicator

  • The according indicator will be ON for 5seconds when press the manual button "PUSH", or remote controller;

✽DC5V

  • USB port output, max current is 1000mA;

  • When switch on the DC5V output button, this output will be off automatically when it is not in use for 10seconds;

  • When charging a mobile phone by this DC5V , this DC5V will be off automatically when the phone is fully charged;

  • The DC5V is not controlled by the MCU, it can charge mobile phones even the battery voltage is lower than 12v
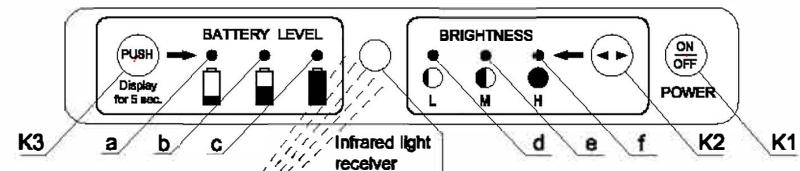
C. User Guidance:

1.Charging:

AC-DC Adapter   DC19V/2000mA

Solar Panel 20W/18-19V/1000-1100mA

ADPT   SOLAR
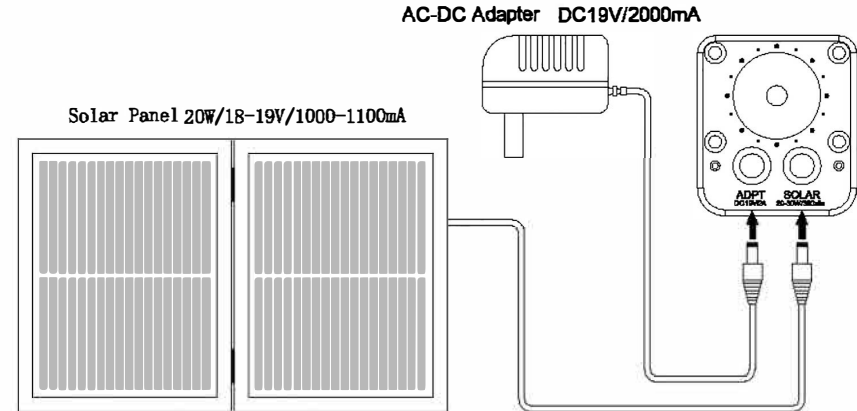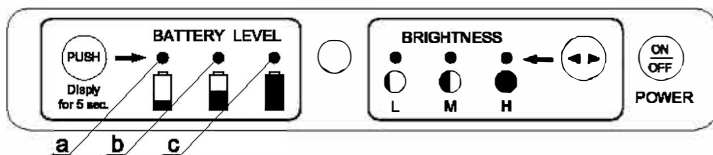
✽ During charging, the one indicator among the "a/b/c" three will flash once per 5seconds;

✽ The "c" indicator will stay on when battery is full;

✽ Please don't charge the tube by solar panel and the adapter at the same time.

2.LED Tube

K3 a b c   Infrared light receiver   d e f K2 K1

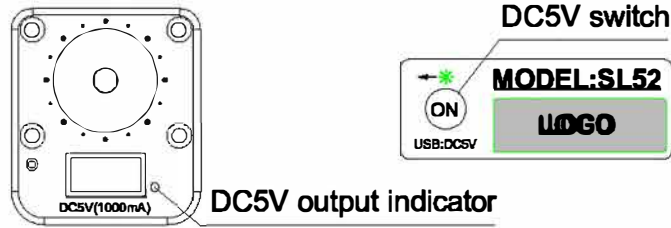### The ON/OFF and brightness adjustment

✽ Press K1/K1C,"d" indicator become ON, the LED tube works on low brightness;

✽ Press K2/K2C, "e" indicator becomes ON, LED tube works on medium brightness;

✽ Press K2/K2C again, the "f" indicator becomes ON, LED tube works on high brightness;

✽ Press K2/K2C continuously, the LED tube brightness can be adjusted;

✽ Press K1/K1C, LED tube switches off;

Battery Capacity Display

✽ Press K3/K3C, the one among the "a/b/c" indicators will be ON for 5seconds;

K2C

K1C

K3C

BRIGHTNESS
ON/OFF
BATTERY LEVEL
SLS2/SL50/SL60
LOGO

3

4

3. DC5V Output

DC5V switch

MODEL:SL52

ON

USB:DC5V

LOGO

DC5V output indicator

DC5V(1000mA)

* Press the DC5V switch , the DC5V indicator becomes ON, there will be 5V output at the USB port; maximum current 1000mA;
* When switched on the USB port, it will be OFF automatically if it is not connected to any devices after 10seconds;
* When charge a mobile phone by this DC5V port, this port will be OFF automatically after mobile phone is fully charged;
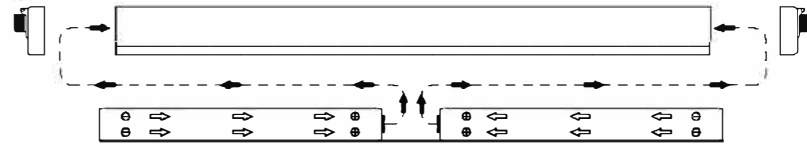
4.Hanging and fixing

Hanging by a belt
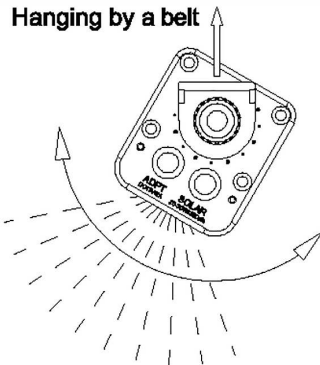
* In outdoor use, this LED tube can be hung by a belt onto the tree/tent roof etc.

Fixing onto the wall
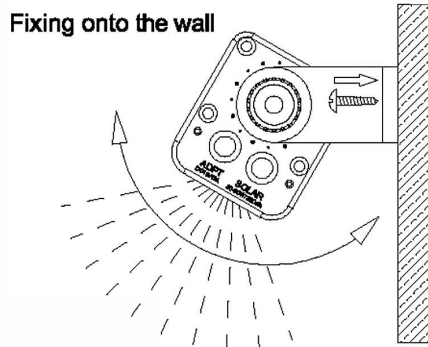
* When using the tube indoor, it can be fixed onto the wall by the nail accessories;

5.Replace the battery

When the LED tube is used for long period, the battery efficiency becomes low, please replace with new batteris as per below steps:

* Detach the caps on two ends, and pour the old batteris out;
* Insert the new batteries,the battery anode must be inward;
* There is a reverse polarity protection in this LED tube,in the case that the one set or two sets of the batteries is inserted in wrong direction,there won't be danger, nor damage to the LED tube; only the tube will be not working, and after the battery direction is changed, the LED tube will be restored after a few minutes;

6. The solution for making the battery back to normal after it's being placed for too long;

When the LED tube battery not working not because of being used for too long, but because of long time not in use (say more than a year), the battery voltage becomes close to zero volt, causing this LED tube not working, there is a solution for restoring this LED tube with small current;

* Connect the LED tube with solar panel or AC-DC adapter, and charge this tube with small current;
* According to different capacity loss, the MCU will start normal working after 0.5-2hours, and the small current will become larger, and the LED Tube will be normally recharged.

D.Configuration:

1.Standard configuration:

LED Tube

Remote controller

20W solar panel with DC cable;

USB phone cable;

Hangar accessory （2pcs）/Hanging belt（2pcs）

Wall fixing accessory （2pcs）/ Wall fixing screws （2pcs）

2.Optional accessory： Special AC-DC adapter

5

6