

**Model No.: CL-COBCCT576-24-IP20**

### Features:

1. Sanan LED chip, high brightness, low light decay;
2. 10mtr without voltage drop;
3. All materials used are according to RoHS standards;
4. Easy to install and can be bent freely in recommended way, with 3M adhesive tape;
5. High color efficiency, uniform illumination;
6. Beam angle 180°

### Application:

1. Widely used as a decorative lights, and ambient light;
2. Residential where flexible change of color is preferred for different settings;



## Technical Parameters:

|                          |                                                                              |
|--------------------------|------------------------------------------------------------------------------|
| LED Type:                | 576pcs leds/m Sanan Led Chip                                                 |
| Rated Power:             | 10W/m                                                                        |
| Input Voltage:           | 24VDC                                                                        |
| CCT:                     | 2700K + 6500K                                                                |
| CRI:                     | >90                                                                          |
| Beam Angle:              | 180°                                                                         |
| FPCB Width / Per Cut(mm) | 8mm, White Color / 41.66 mm per cut                                          |
| FPCB Thickness:          | 2Oz, Double layer                                                            |
| Working Temperature:     | -40°C~+45°C                                                                  |
| Storage Temperature:     | -40°C~+85°C                                                                  |
| Warranty:                | 2 Years                                                                      |
| Life Span:               | 50,000Hours                                                                  |
| IP Grade:                | IP20                                                                         |
| Wire cable:              | Both sides with 15cm long 20AWG (CAUTION : Terminate the wire if not in use) |
| Package:                 | Standard Package 5m per roll                                                 |

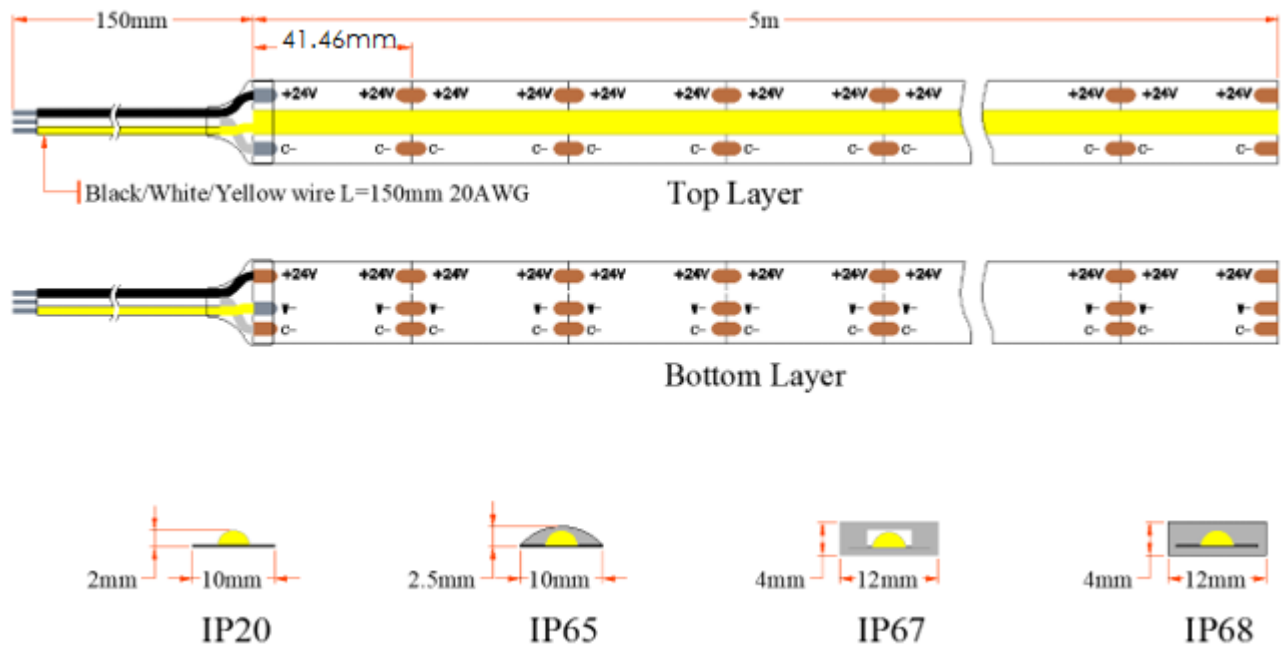
## Lumens:

| Model No.:          | CCT           | Efficiency<br>±10% | Lumen<br>±10% | Test Condition |     |         |
|---------------------|---------------|--------------------|---------------|----------------|-----|---------|
|                     |               |                    |               | Watt/m         | Ra  | Voltage |
| CL-COBCT576-24-IP20 | 2700K – 6000K | 90lm/w             | 900lm/m       | 10W            | >90 | 24V     |

### NOTE:

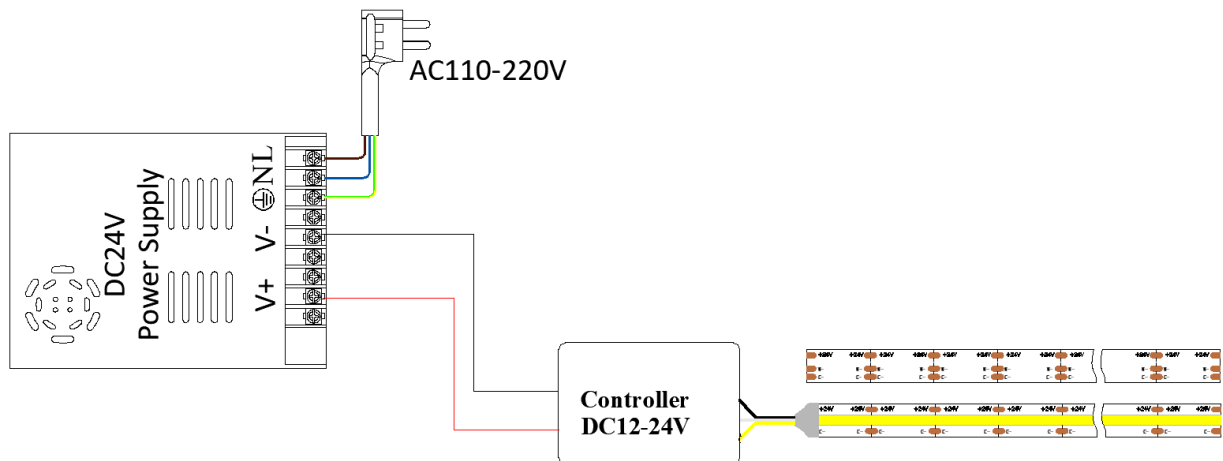
- The above test data of lumens was tested by 1meter of LED Strip with an integration sphere and a spectroradiometer; The strip has been lighting for more 2minutes to fix a power; The test data is just approximate since real lumens depend on the real power, which varies in different production lots (different leds voltage, current, brightness and operating temperature etc.)
- The LED Strip power above 15W/m, need to use together with Aluminum Profile.

## Dimensions:



\*\*\* Note that CCT Power Supply and Controller is not included in the package \*\*\*

## Connection Diagram:

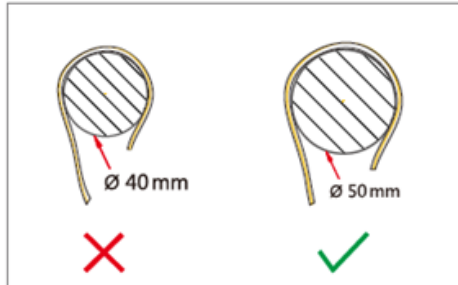


## LED Strip Light Installation Guide:

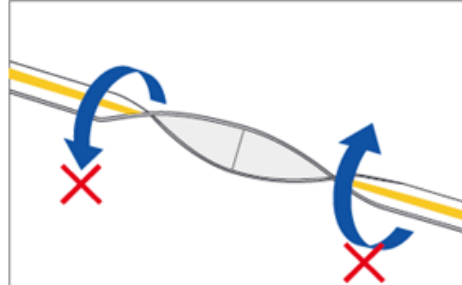
|  |                                                                                                                                                       |  |                                                                                                                                                                                           |  |                                                                                                                                                                                     |
|--|-------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | <p><b>Step 1:</b></p> <p>Dry the position to be flat and smooth before putting on the Strips</p>                                                      |  | <p><b>Step 2:</b></p> <p>Press the LED Strip gently between electronic components and stick it to the surface. Avoid pressing electronic components.</p>                                  |  | <p><b>Step 3:</b></p> <p>LED Strip can be cut only between soldering pads</p>                                                                                                       |
|  | <p><b>Step 4:</b></p> <p>Solder wires on soldering pads (label +/-). The Solder temperature may not exceed 330 for maximum duration of 2 seconds.</p> |  | <p><b>Step 5:</b></p> <p>During installation, make sure Strip Light isn't receiving electricity in any manner. Better wearing an Anti-static Wrist Strap to avoid Static electricity.</p> |  | <p><b>Step 6:</b></p> <p>LED Strips better be installed on Aluminum (or Material with similar thermal conduction) to avoid LEDs overheating and ensure proper heat dissipation.</p> |



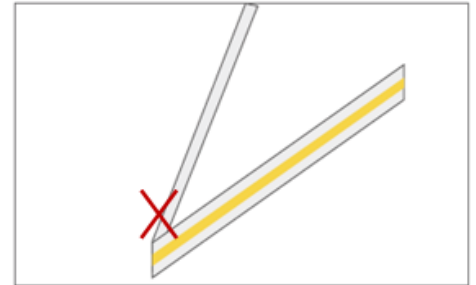
1. LED Strips Lights are with low voltage products, must be use the constant voltage LED power supply; Don't connect the LED Strips directly to voltage at AC110V or AC220V, it will be burn out.
2. The LED strip must be installed carefully; Excessive operation, bending and extrusion may damage the product and void warranty.



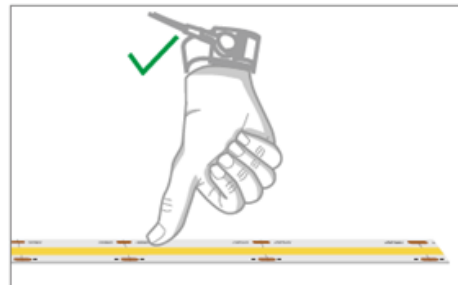
Do not bend LED Strip light to a diameter less than 40mm(1.5 inches)



Do not bend LED Strip light like this, and this way will break the LED and bonding pad



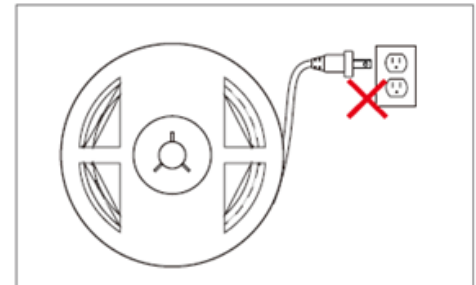
Do not fold or crease LED Strip light, and this way will break the LED and bonding pad



Touching LED, pls wear the electrostatic ring for avoiding ESD



Do not put press heavily or put excessive pressure on surface of LED



Do not connect directly LED Strip light to AC /DC high voltage power!

### Note:

1. The installation should use a CCT constant voltage LED power supply, by a qualified technician.
2. Both end are wired for ease of use after cutting to appropriate application length. If only one end is used, terminate the unused end by cutting off the end or wrap with quality electrical PVC tape to avoid short circuit.
3. Do not install the strip under an overheat environment.
4. Do not install the non-waterproof strip outdoor or in damp environment.
5. Do make sure that the cables used between the power supply, LEDs and any dimmer are of standard size. Please calculate the voltage drop and the maximum rated current when selecting the cables. It will cause the cable overheat and burned if select improper cables and installation.