# SUNWHITE Flex Strip Data Sheet

Artemi, 20W/m, tunable white 2100-5700K

*Features

· SUNWHITE® technology, automatically changing in line with real sunshine
· Exact colour selection in 2100K~5700K on black body line, high CRI 90
· High power 20W/m, high brightness 2000lm/m@3000K for general lighting
· High efficiency 100lm/W@3000K
· Comfortable and uniform light with no lighting dot by 3D SMD LED
· 48V, high power efficiency
· Wide beam angle 180°
· Easy to cut
· 3M adhesive back tape
· Good dissipation, 25000hrs lifespan, 40000hrs long lifespan with heatsink
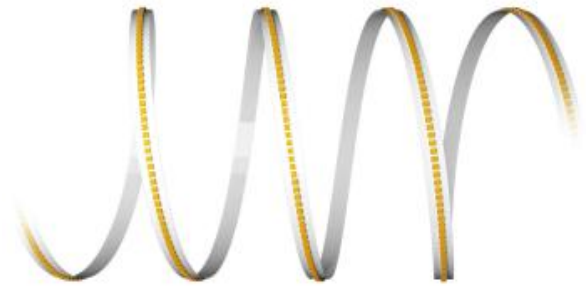
Technical data

Electrical specifications

Electrical specifications			
Part No.	CTS2DC120G105-76016	EAN	4060574760164
Wattage (W/m)	20	AC input voltage (V)	-
DC output voltage (V)	48	Power factor	-
Frequency (Hz)	-	Total harmonic distortion (THD)	-
Dimmable	Yes	Flicker-free	-
Max. no. of lamps on B16A circuit breaker	-	Max. no. of lamps on C10A circuit breaker	-
Max. no. of lamps on C16A circuit breaker	-		

Photometric specifications

Photometric specifications			
Colour temperature (CCT)	2100-5700K	CRI (Ra)	90
Luminous efficiency (lm/W)	85 @2100K	Luminous flux (lm/m)	1700 @2100K
	95 @2700K		1900 @2700K
	100 @3000K		2000 @3000K
	105 @4000K		2100 @4000K
	105 @5700K		2100 @5700K
Standard deviation of colour	3 SDCM	Beam angle (°)	180
UGR	-		

Mechanical specifications

Mechanical specifications			
Housing material	FPC	Housing Colour	White
Optical cover/ lens material	-	Length/ diameter (mm)	5000
Width/ diameter (mm)	10	Height (mm)	1.45
Cut length (mm)	71	Product weight	60g

Lifespan

Lifespan			
Number of switching cycles	100000	L70/B50 service life at 25°C	40,000 hrs
L80/B10 service life at 25°C	25,000 hrs	L90/B10 service life at 25°C	20,000 hrs
Warranty period	5 Years		

CViTec

Application parameters				
Working temperature range	-20~+60℃		Storage temperature range	-20~+70℃

Additional product specifications				
Type of installation	3M adhesive tape		Location of installation	-
Connection type	Connector		Protection type	IP20

• Power off before replacement
• Do not be in violation of any fire regulations when using
• Consult qualified electricians for technical support
• If the supply cord is damaged, it shall be exclusively replaced by the manufacturer or his service agent or similar qualified person in order to avoid a hazard

Dimensions
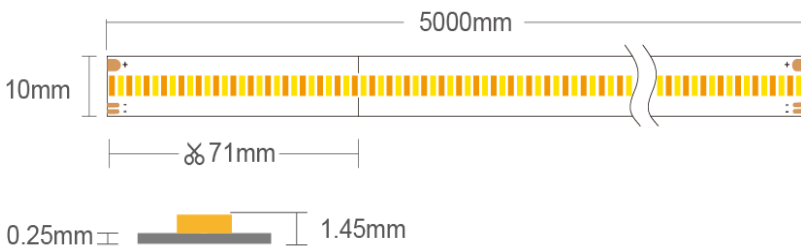
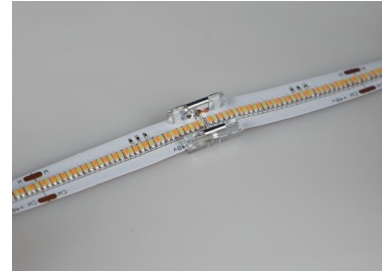## *Product & Wiring Connection & Cautions

Product connections
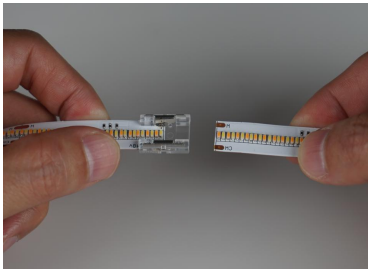
Insert each ends of led strips into the end of the connection terminal respectively, make sure the metal clip is on the same side as the metal solder pad of led strip.
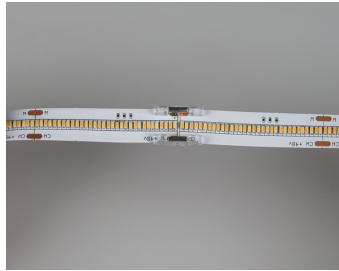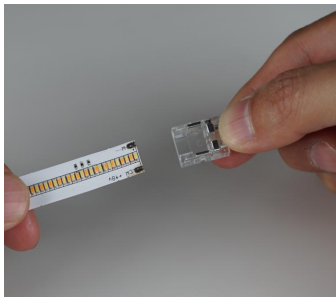

After complete the insert, also make sure both ends of led strip are tightly connected.

Press the metal clip down with the appropriate plier to ensure that the metal clip is inserted into the appropriate position ,and connection completed.

Wiring connections

Insert one end of led strip and wire connector into both ends of the connection terminal respectively to ensure that the metal clip is on the same side as the metal solder pad of led strip.


Meanwhile make sure both ends are closely connected, Press the metal clip down with the appropriate plier to ensure that the metal clip is inserted into the appropriate position ,and connection completed.

Cautions

Wrong

Self adhensive tape

Right

Self adhensive tape
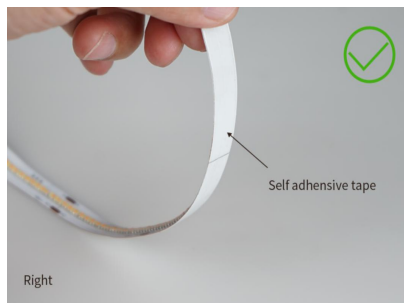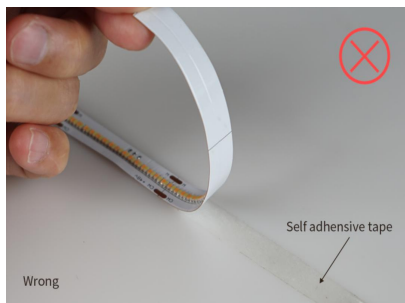
If the led strip needs to be torn up,please make sure that the self adhensive tape is torn with the led strip,otherwise the led strip will be damaged.

When install the led strip,please note the installation technique
The led strip can be bent, but not distorted,as shown below

R>5mm
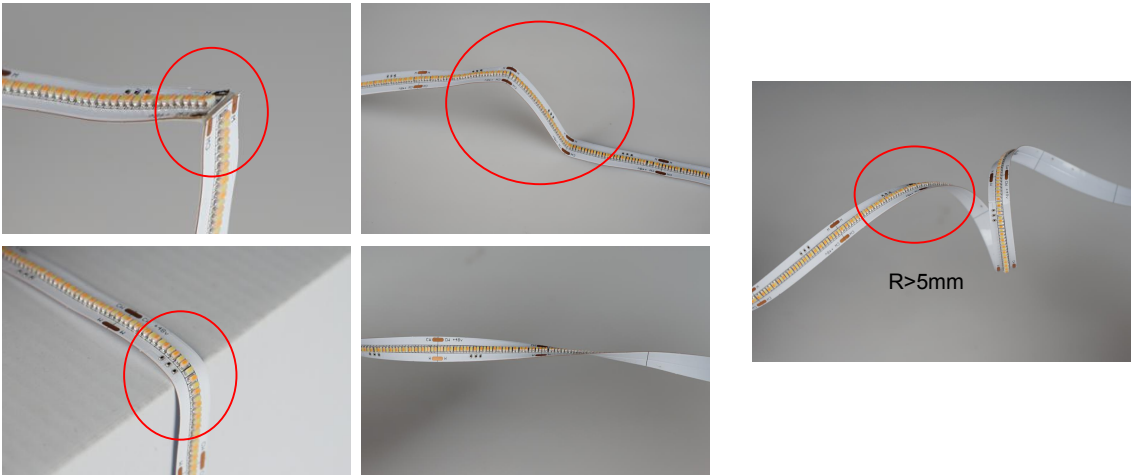
Distortion (Wrong)   Bend (Right)

LED strips are low votage products, you must use the power supply(transformer). Please don't connect the led strip directly to the AC 110v or AC 220v, otherwise it will burn out the LED strips.

Clean up the installation surface and it will ensure the reliability of the adhesive. The electrical connection process must be operated by a professional person.
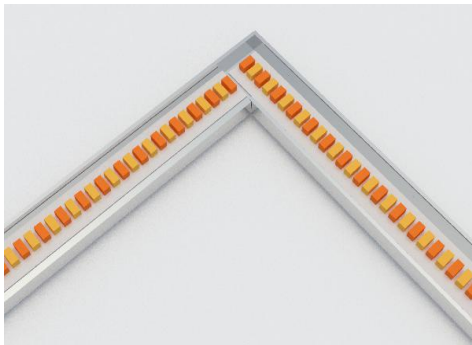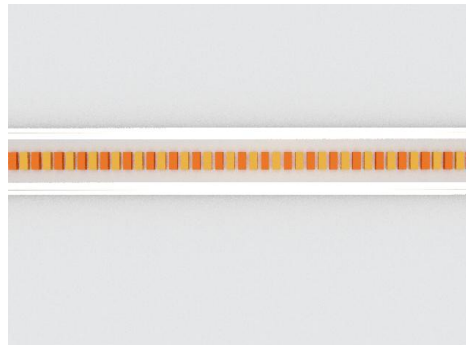
Wiring Diagram
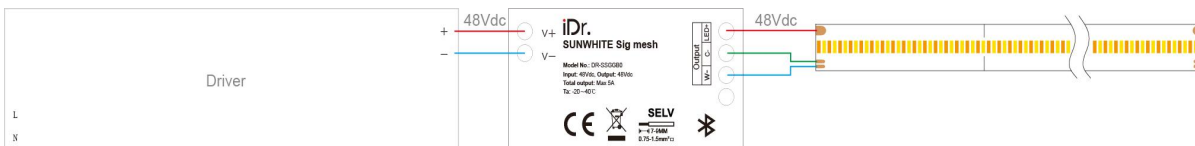
*Installation Step
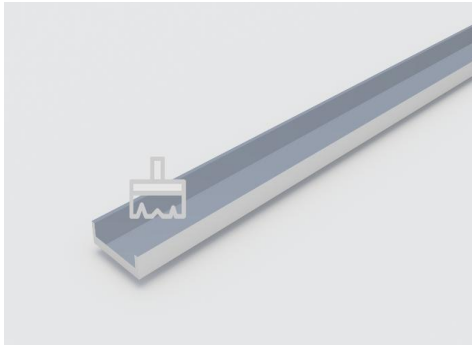
1.Clean

2. Peal off the adhesive tape and stick the strip

3. Vertical installation

4. Done

*Accessories / Parts (Optional):

*Semi-transparent Plastic Cover

*Connector Clamp

*Aluminum slot Clamp

*Aluminum slot

*Square plastic Cover