CIVILIGHT

Artemi Flex Strip Data Sheet

SUNWHITE Series (12W/m 48V 2100k-6000K 10mm) 3 wires

*Features

· SUNWHITE® technology, automatically changing in line with real sunshine
· Exact colour selection in 2100K~6000K on black body line, high CRI 90
· High power 12W/m, high brightness 2400lm/m@4000K for general lighting
· High efficiency 120lm/W@4000K
· Comfortable and uniform light with no lighting dot by 3D SMD LED
· Brightness difference is less than 15% from end to end for 5m length
· 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

Part No.	CTAS26C112G10F5-76075	EAN	4060574760751
Wattage (W/m)	12	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

Colour temperature (CCT)	2100-6000K	CRI (Ra)	90
Luminous efficiency (lm/W)	93 @2100K	Luminous flux (lm/m)	1115 @2100K
	90 @2700K		1080 @2700K
	90 @3000K		1080 @3000K
	105 @4000K		1260 @4000K
	102 @6000K		1224 @6000K
Standard deviation of colour	≤3SDCM	Beam angle (°)	180°
UGR	-	LED Qty (pcs/m)	256

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)	125	Product weight	60g

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 with heat-sink		

| 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:Cut demension: 125mm
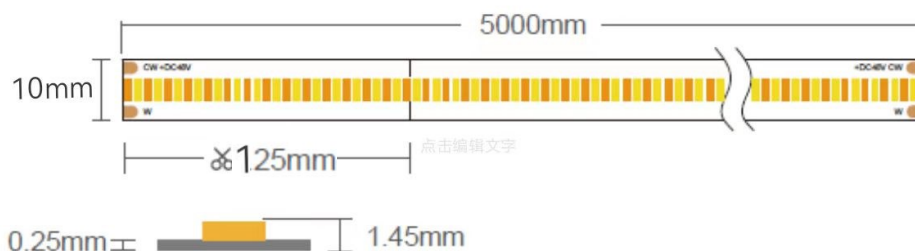
* Photometric Information (0.5m)
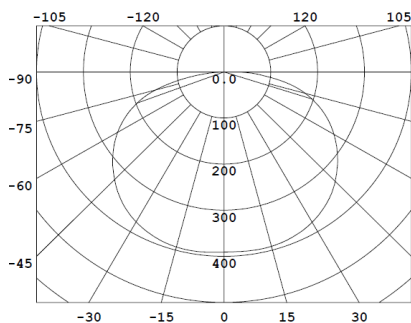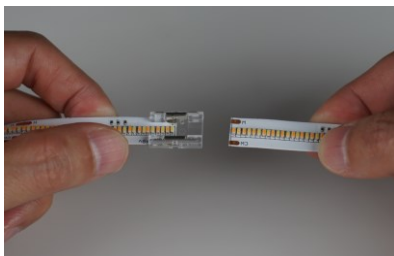

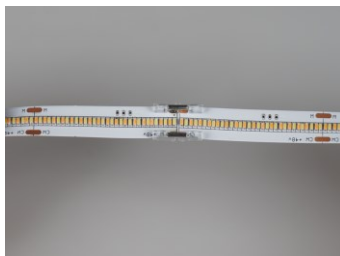X axial
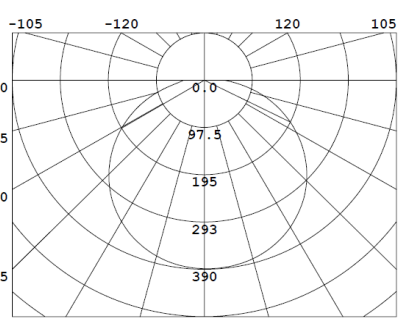
Y axial
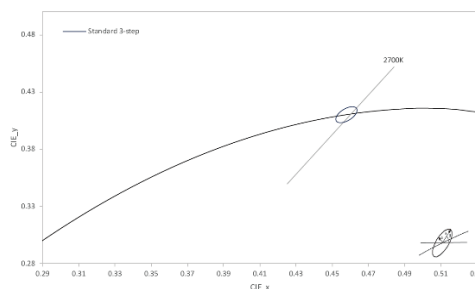
CIE Color Space

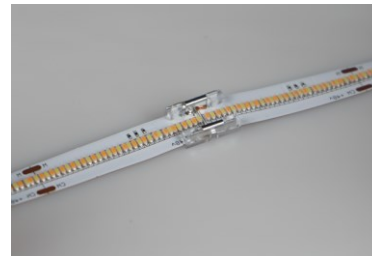## * Energy Label

*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.
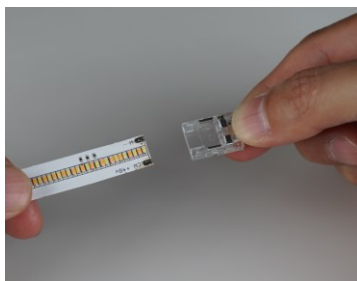

After complete the insert, also make sure both ends of led strip are tightly connected.

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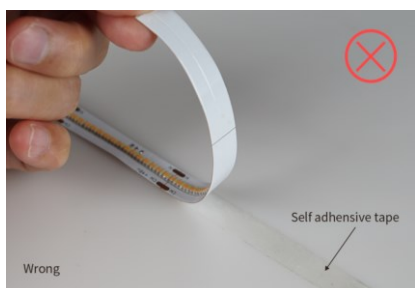
If the led strip needs to be torn up,please make sure that the self adhensive tape is torn with the led strip,otherwise the led strip will be damaged.

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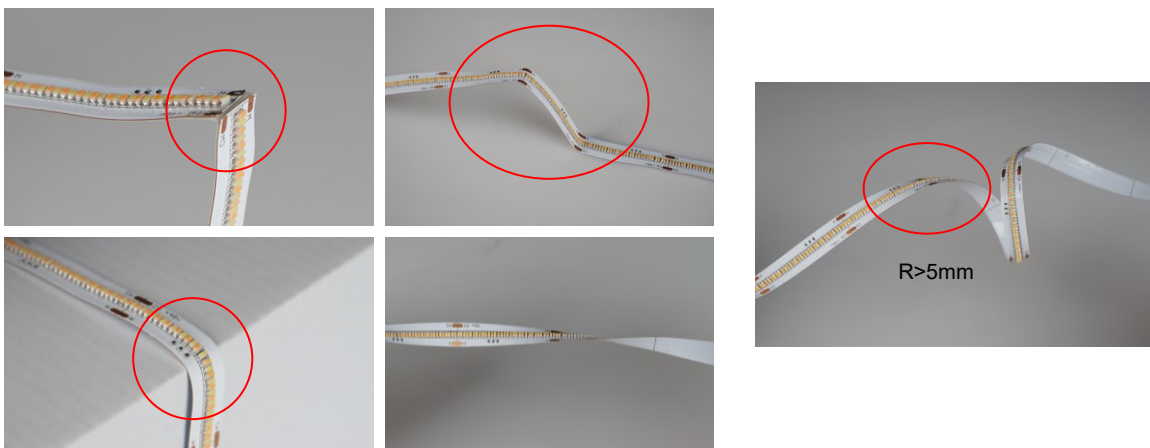

Distortion (Wrong)

Bend (Right)

R>5mm

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.
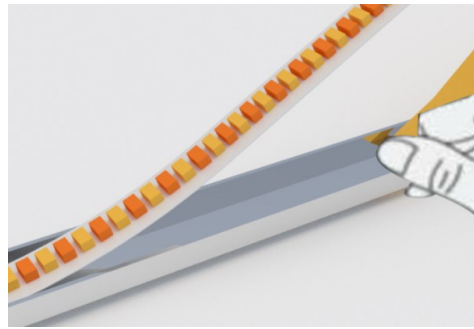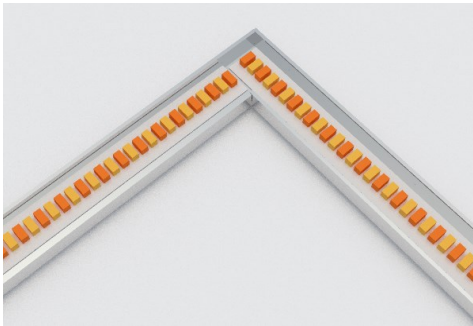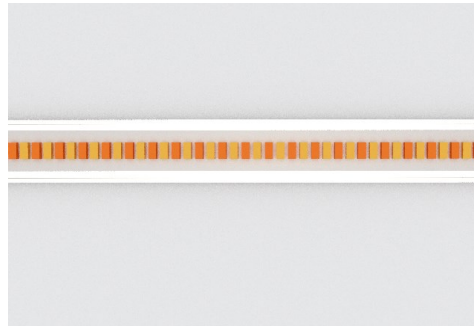
Wiring Diagram

*Installation Step
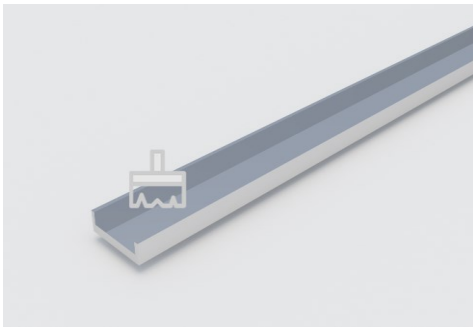
1.Clean

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