Nox Designer 5mm 5W Data Sheet

Nox Designer 5mm, 5W/m, 1300K/1700K/2100K/2500K/3000K/4500K/8000K, High CRI

*Features

· Wide range of CCT and special colors for designers, 1300/1700/2100/2500/3000/4500/8000K and colors
· Mini size, 5mm width, same brightness @ 10m and 20m in length
· High lumen efficiency, 5W can be used for ambient lighting
· Better solution for both decorating fixtures and ambient lighting fixtures
· Applied in Museum, Theater, Hotel, Restaurant, Shop, Bar and home
· Can dimming by Triac / 1-10V / DALI/ WIFI
· 24V, high power efficiency
· Wide beam angle 130°
· Easy to cut
· 3M adhesive back tape
· Good dissipation, 30000hrs lifespan, 50000hrs long lifespan with heatsink

Technical data

Electrical specifications			
Wattage (W/m)	5	AC input voltage (V)	-
DC input voltage (V)	24	Power factor	-
Frequency (Hz)	-	Total harmonic distortion (THD)	-
Dimming type	Triac / 1-10V / DALI/ WIFI	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

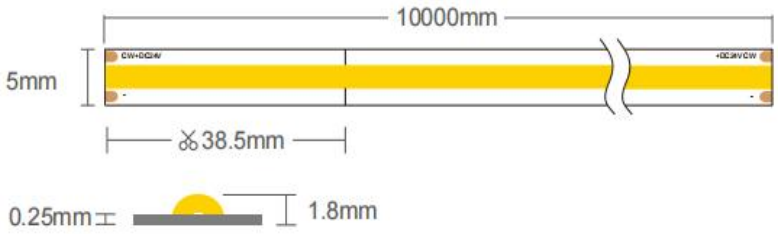
Part No.	CCT	CRI	Lumen/M	Luminous Efficiency (lm/W)	Beam angle	Standard deviation of color
CVAF0D105C05D10-75697	1300K (Fire Light)	80	200lm± 5%	40lm/ W	130°	5 SDCM
CVAF1D105C05D10-75698	1700K (Gold Light)	80	225lm± 5%	45lm/ W		
CVAF2B105C05D10-75699	2100K (Candle light)	95	250lm± 5%	50lm/ W		
CVAFWB105C05D10-75700	2500K (Incandescent light)	95	300lm± 5%	60lm/ W		
CVAF3D105C05D10-75701	3000K	80	375lm± 5%	75lm/ W		
CVAF4B105C05D10-75702	4500K (Natural light)	95	425lm± 5%	85lm/ W		
CVAFCD105C05D10-75703	8000K (Moon light)	80	375lm± 5%	75lm/ W		

Mechanical specifications			
Housing material		Housing Colour	
Optical cover/ lens material	-	Length/ diameter (mm)	10000
Width/ diameter (mm)	5	Height (mm)	1.8
Cut length (mm)	38.5	Product weight	
Lifespan			
Number of switching cycles	100000	L70/B50 service life at 25°C	50,000 hrs
L80/B10 service life at 25°C	30,000 hrs	L90/B10 service life at 25°C	25,000 hrs
Warranty period	5 Years		

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

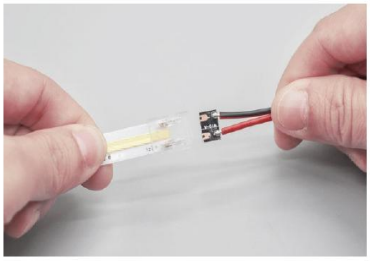
Product connections

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.

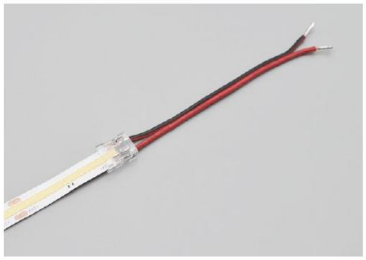
After complete the insert, also make sure both ends of led strip are tightly connected.

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

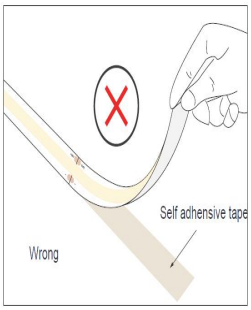


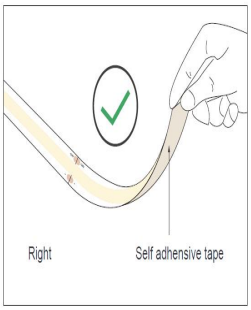
Insert one end of led strip and wire connector into both ends of the connection terminal respectively to ensure that the metal clip is on the same side as the metal solder pad of led strip.



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.

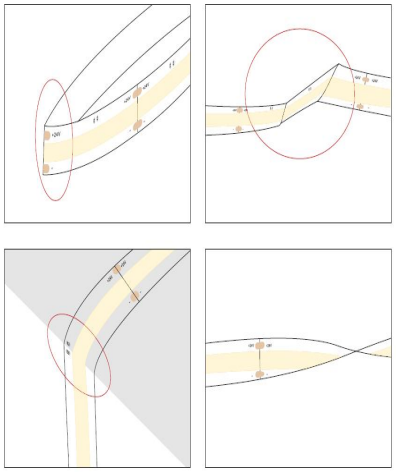
Cautions



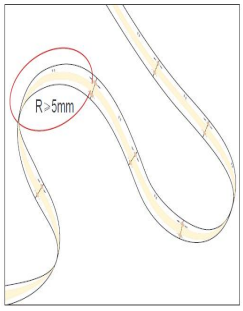


If the led strip needs to be torn up,please make sure that the self adhensive tape is torn with the led strip,otherwise the led strip will be damaged.

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



Distortion(Wrong)



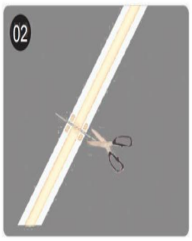
Bend(Right)

- 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.

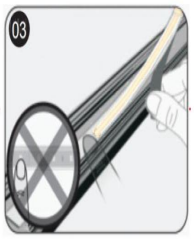
Wiring Diagram

*Installation Step

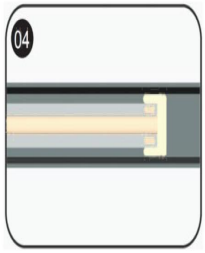
1.Clean



2.Cut



3. Peal off the paper



4.Stick the strip

5.Vertical Installation

6.Connect the power
& IP65 attention

*Accessories / Parts (Optional):

*Semi-transparent Plastic Cover

*Connector Clamp

*Aluminum slot Clamp

*Aluminum slot

*Square plastic Cover