

NST12.IP LED strip light

Datasheet



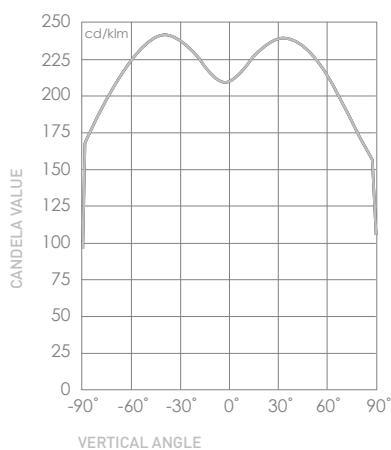
Product codes

| | | | | |
|--|----------------------|---|---------------------------------|-----------------------------|
| Unit: NST12.IP.1.0m NST12.IP.5.0m | Series: LN | Colour temp. (K): 3K 4K RGBW (Optional) | Beam angle (°): DF180 | Colour: W (White) |
|--|----------------------|---|---------------------------------|-----------------------------|

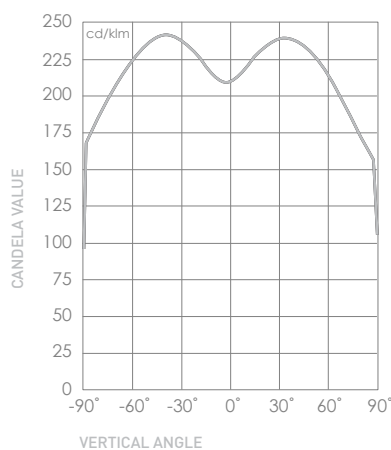
Optional Aluminium Extrusion:
COM-NST12.IP-PRO-2.0m-1.0

Photometrics

CCT: 3000K
Efficacy: 98 lm/W
Lumen output: 1000 lm
CRI: >97
Standard deviation of colour Matching (SDCM): 3 MacAdam steps

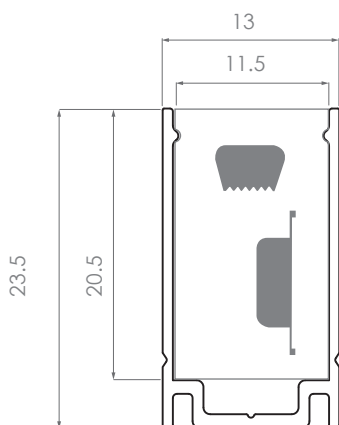


CCT: 4000K
Efficacy: 108 lm/W
Lumen output: 1090 lm
CRI: >97
Standard deviation of colour Matching (SDCM): 3 MacAdam steps

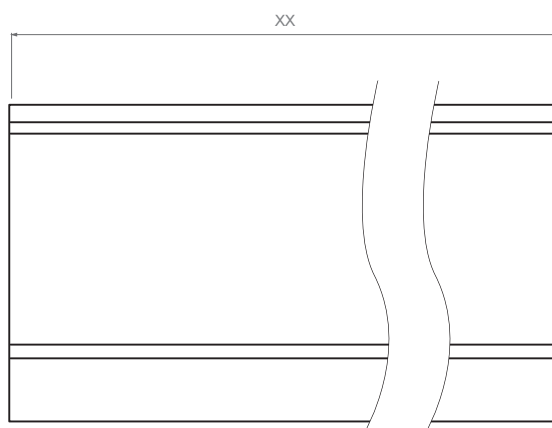


Dimensions (mm)

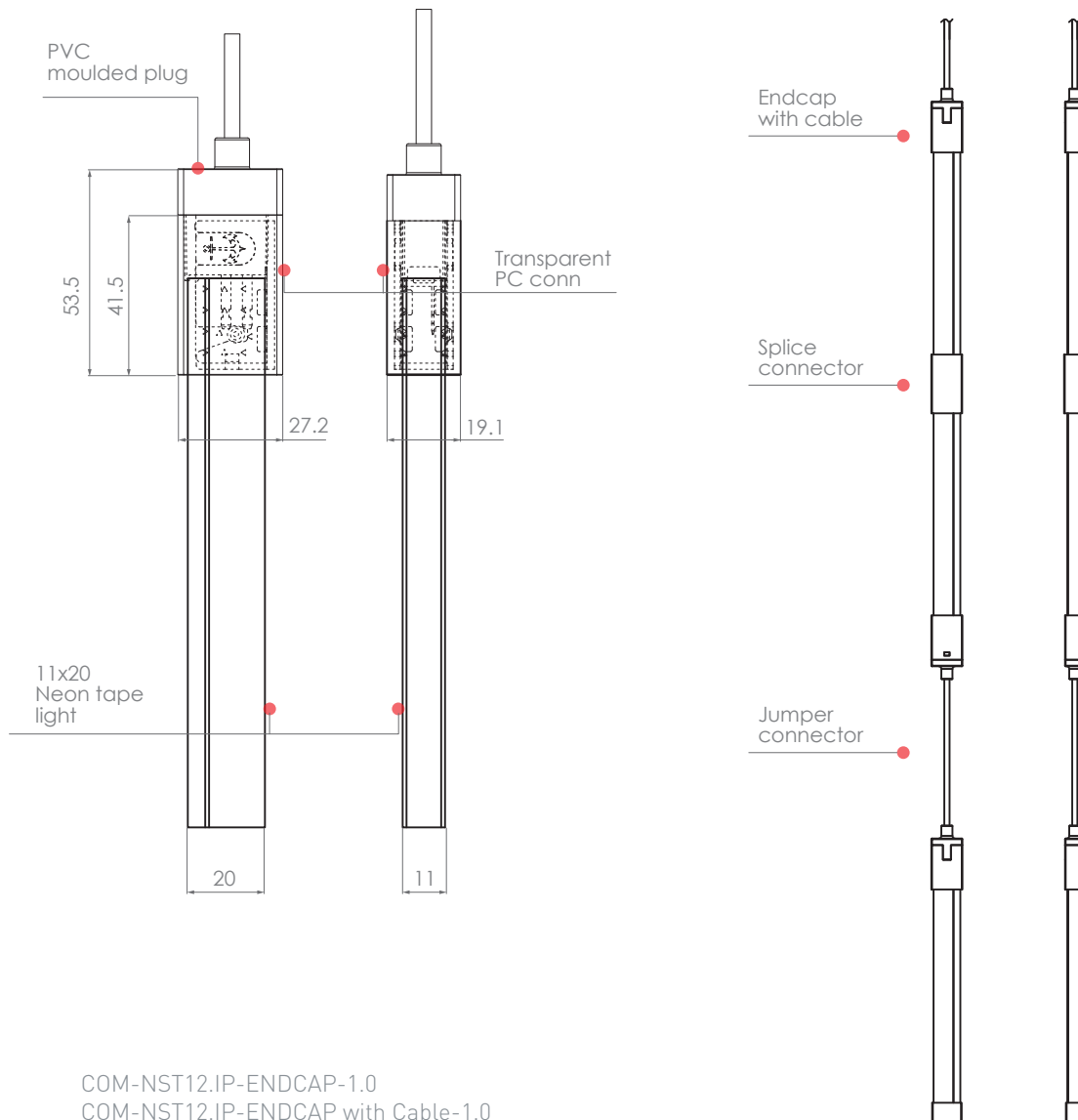
End view LED Strip



Side view LED Strip



Accessories

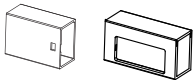


COM-NST12.IP-ENDCAP-1.0
 COM-NST12.IP-ENDCAP with Cable-1.0
 COM-NST12.IP-JUMPER CONNECTOR-1.0
 COM-NST12.IP-SPLICE CONNECTOR-1.0

Note: Splice connector and Jumper connector
 are not available for RGBW CCT

MATERIALS

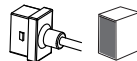
• PC



• Stainless steel



• PVC



Electrical

| Power Usage | Length | 1m | 5m |
|-------------|--------|--------|--------|
| | CCT | | |
| 10W/m | 3K | 1000lm | 5000lm |
| 10W/m | 4K | 1090lm | 5450m |

LED input voltage:
24V

Power usage:
10

IP rating:
IP67

Operational

Operating temp.:
-20 to 50°C

Average temp.:
60°C

Lifetime:
50,000hrs

Warranty:
7 years of luminaire warranty
& 5 years of driver warranty

Compatibility

Drivers:
Non-Dimmable (ND)
Digital Driver (PHASE)
DALI (DALI)
0-10V (010)
SMART
CASAMBI

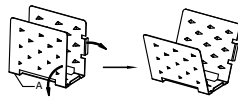
Driver input voltage:
100-265V

Surge protection:
3100V

Driver power factor:
>0.9

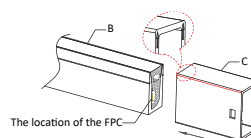
Note: For RGB, RGBW and Dayshift CCTs, Non-dimmable and Phase drivers are not applicable

Installation - End cap with cables (Single CCT)



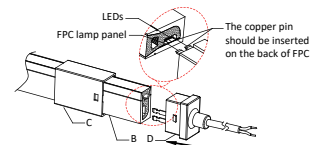
Step 1

Follow the direction of arrow and pull the steel piece A up to 20 degrees.



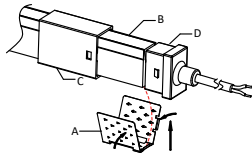
Step 2

Push neonflex B into transparent cover C. (Caution: Pay attention to the arrow direction of cover C and the direction of FPC board).



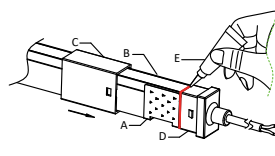
Step 3

Insert copper pin D into the bottom of FPC board of neonflex B.



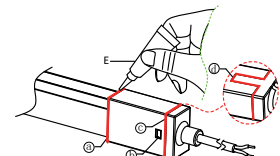
Step 4

Find the central block point on the bottom of steel piece A. According to this central point, press neonflex B into barbed steel piece A accurately. Later, pinch steel piece A tightly by following the arrow direction.



Step 5

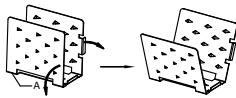
First, squeeze enough glue E along the flush edges of neonflex B and plug D. Second, pinch steel piece A and push transparent cover C to wrap A by following the arrow direction. [Caution: Do not squeeze glue on the bared copper of FPC board].



Step 6

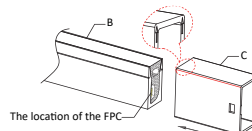
After transparent cover C has been pressed well, squeeze enough glue E into the whole edges like a, b, c, d. Finally, wipe clean the excess glue. Installation finished!

Installation - End cap with side cables (Single CCT)



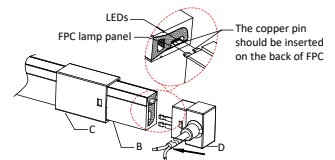
Step 1

Follow the direction of arrow and pull the steel piece A up to 20 degrees.



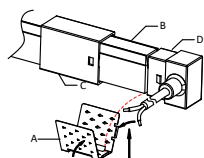
Step 2

Push neonflex B into transparent cover C. [Caution: Pay attention to the arrow direction of cover C and the direction of FPC board]



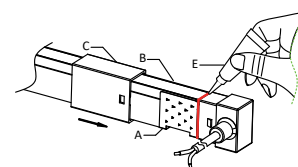
Step 3

Insert copper pin D into the bottom of FPC board of neonflex B.



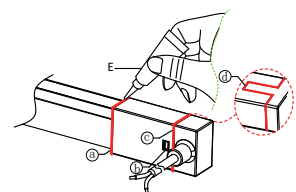
Step 4

Find the central block point on the bottom of steel piece A. According to this central point, press neonflex B into barbed steel piece A accurately. Later, pinch steel piece A tightly by following the arrow direction.



Step 5

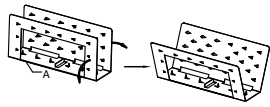
First, squeeze enough glue E along the flush edges of neonflex B and plug D. Second, pinch steel piece A and push transparent cover C to wrap A by following the arrow direction. [Caution: Do not squeeze glue on the bared copper of FPC board].



Step 6

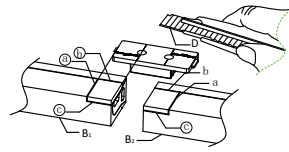
After transparent cover C has been pressed well, squeeze enough glue E into the whole edges like a, b, c, d. Finally, wipe clean the excess glue. Installation finished!

Installation - Splice connector (Single CCT)



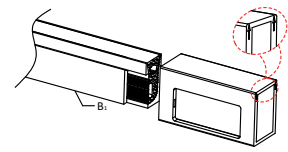
Step 1

Follow the direction of arrow and pull the steel piece A up to 20 degrees.



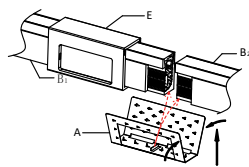
Step 2

Cut excess silicon layer from the FPC bottom of strip B1 and B2. First, by reference to the cuttable distance on fastener C, measure the length to be removed and mark it out like part a, b, c. Second, use box-cutter to cut to the bottom of FPC board. [Caution: To prevent cutting off the FPC board, do not cut it too hard]



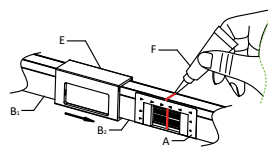
Step 3

Push neonflex B1 into transparent cover E. [Caution: Pay attention to the arrow direction of cover E and the direction of FPC board]



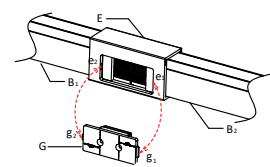
Step 4

Find the central block point on the bottom of steel piece A. According to this central point, press neonflex B1 and B2 into barbed steel piece A accurately. Later, pinch steel piece A tightly by following the arrow direction.



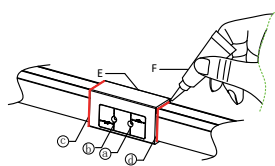
Step 5

First, squeeze enough glue along the flush cut edges of neonflex B1 and B2. Second, pinch steel piece A and push transparent cover E to wrap A by following the arrow direction. [Caution: Do not squeeze glue on the bared copper of FPC board]



Step 6

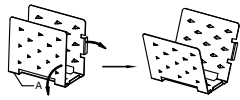
Press Part g1(connector G) inside Part e1(transparent cover E), Part g2 and Part e2 afterwards.



Step 7

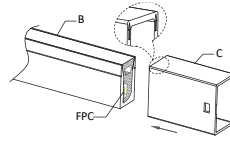
After connector G has been pressed well, squeeze enough glue into the hole a, b, and the whole edges like c, d. Finally, wipe clean the excess glue. Installation finished!

Installation - Jumper connector (Single CCT)



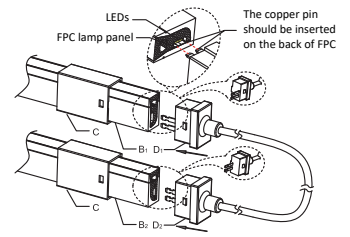
Step 1

Follow the direction of arrow and pull the steel piece A up to 20 degrees.



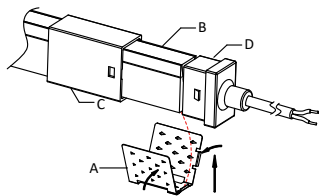
Step 2

Push neonflex B into transparent cover C. [Caution: Pay attention to the arrow direction of cover C and the direction of FPC board].



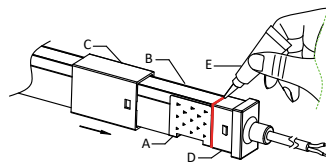
Step 3

Insert copper pin D1 into the bottom of FPC board of neonflex B1. Insert copper pin D2 into the bottom of FPC board of neonflex B2.



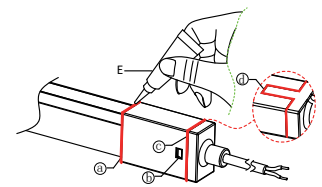
Step 4

Find the central block point on the bottom of steel piece A. According to this central point, press neonflex B into barbed steel piece A accurately. Later, pinch steel piece A tightly by following the arrow direction.



Step 5

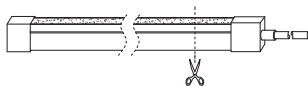
First, squeeze enough glue E along the flush edges of neonflex B and plug D. Second, pinch steel piece A and push transparent cover C to wrap A by following the arrow direction. [Caution: Do not squeeze glue on the bared copper of FPC board].



Step 6

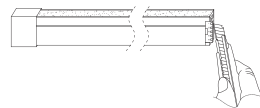
After transparent cover C has been pressed well, squeeze enough glue E into the whole edges like a, b, c, d. Finally, wipe clean the excess glue. Installation finished!

Installation - Jumper connector (RGBW)



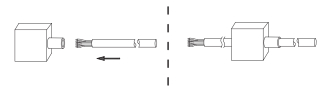
Step 1

Please cut the tape with Flat scissor, please note that since there is no cut mark on back, we might lose 1 section.



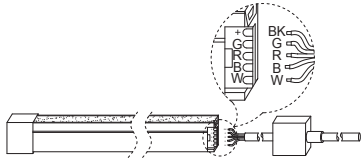
Step 2

Find the solder pad using art knife and remove the silicone housing. Note that we need to leave space for wire soldering.



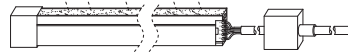
Step 3

Peel the wire jacket and put into the end cap.



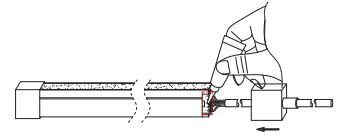
Step 4

Solder wires according to colors/negative/positive wires.



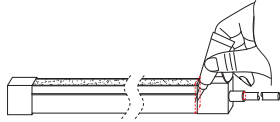
Step 5

Make sure the wires are on the right position, tape light lights up and colors are right.



Step 6

Cover the cut edge and wire hole by silicone glue.



Step 7

Seal the gaps between tape light and end cap by silicone glue.



Step 8

Wait for 4-6 hours to dry the glue and finish.

Optional

Fold the strip, the minimum bending diameter is 120mm.

Accessories included:

- 1m set = (1 plain endcap and 1 endcap with cable attached to the strip lights) + 1 spare plain endcap
- 1m set = Mounting clips: 1 Bag = 3 clips + 3 screws
- 5m set = (1 plain endcap and 1 endcap with cable attached to the strip lights) + 5 spare plain endcap
- 5m set = Mounting clips: 1 Bag = 15 clips + 15 screws

