

ST12.IP Linear LED Strip Light Datasheet

TRU-COLOUR®

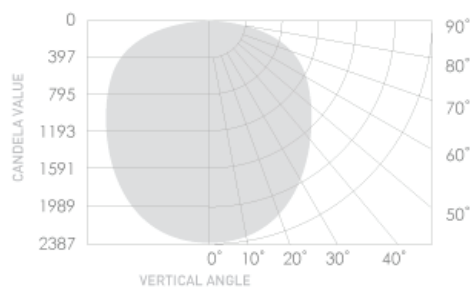
Product codes

Unit:	Series:	Colour temp. (K):	Input Voltage (V):
ST12.IP	LN	3K 4K 1.8K.3K (Nightshift) 2.7K.6K (Dayshift)	24V

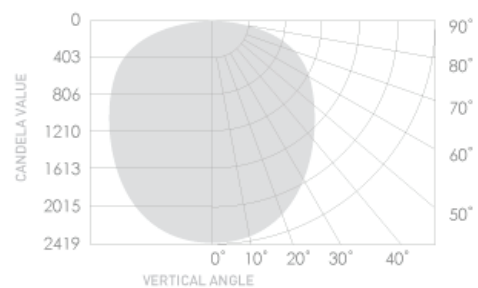
Accessories:

COM-EC-ST12.IP-LN - Endcap
COM-ECPC-ST12.IP-LN - Endcap with power cord
COM-JC-ST12.IP-LN - Jumper connector

Photometrics



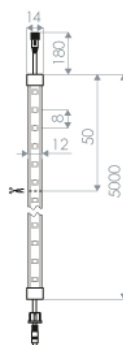
Source lumen output: 7500lm
Delivered lumen: 7500lm
Efficacy: 104lm/W
Colour temp.: 3000K
Beam angle: 120°



Source lumen output: 7600lm
Delivered lumen: 7600lm
Efficacy: 106lm/W
Colour temp.: 4000K
Beam angle: 120°

Dimensions (mm)

Front view



Side view



Electrical

Input voltage:
24V

Power usage:
72W

IP rating:
IP67

Surge protection:
3100V

Dimmable:
Yes

Driver:
Non-Dimmable or
Phase or Dali or 010V or
Zigbee 3.0 or CASAMBI

Operational

Average temp.:
60°C

Lifetime:
97,000 hrs (@TA25)

Source Lumens:
7500lm or 7600lm

Physical

Gimbal angle:
N/A

Warranty:
7 years

Length:
5m

Compatibility

Recommended Dimmers:

Compatible with leading home automation systems and dimmers.

Recommended Dimmers:

Universal, Trailing Edge, Leading Edge.

Dali option available on request.

*For more details please refer to:
<https://brightgreen.com/digital-driver>
All systems are unique, please
call 1300 672 499 for advice on your installation.

Brightgreen Smart Lighting:

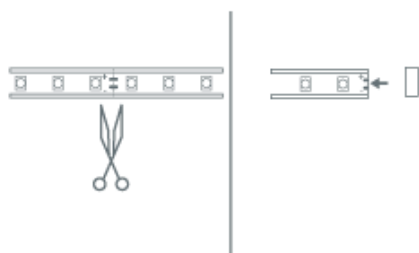
Dimmable LED driver utilises Zigbee 3.0 protocol

Compatible with universal Zigbee Hub products such as Philips Hue
Samsung Smart Things.

Follow pairing procedure found in smart driver datasheet

*For more details please call 1300 672 499 for advice on your installation.

Installation



Step 1

If needed cut the strip to length on the closest cut line.
Realign the end cap with silicone glue.



Step 2

Unscrew the cap off the driver and wire the strip into the driver using the terminal block.



Step 3

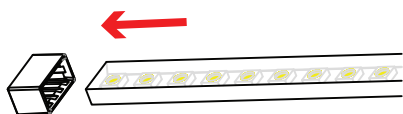
If needed attach extra length onto the wired strip using the plug and screw attachment.



Step 4

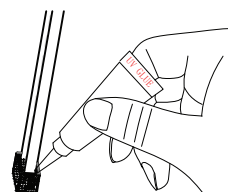
Peel the adhesive and mount to the desired surface.
If extra support is needed use the plastic brackets included in the packaging.

Additional Installation - End cap



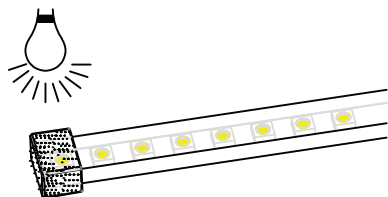
Step 1

Insert the strip light into the end cap.



Step 2

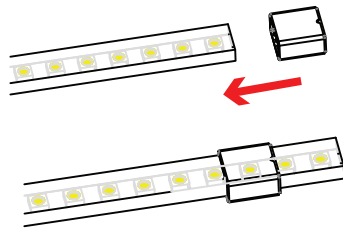
Apply UV glue around the edges of the end cap.
Wipe off excess glue.



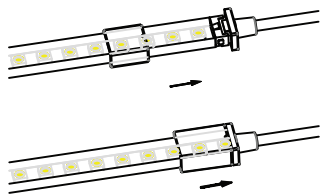
Step 3

Evenly irradiate the glued area with a UV lamp until the glue solidifies.

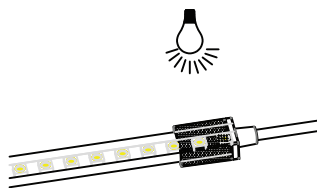
Additional Installation - End cap with power cord



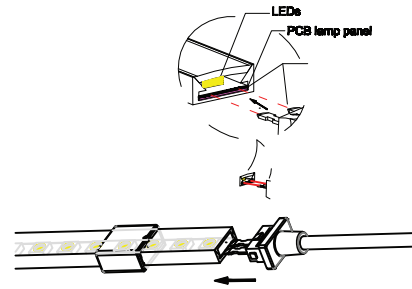
Step 1
Slide the plastic accessory onto the strip light.



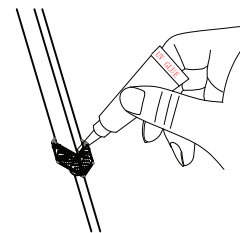
Step 3
Slide the plastic accessory towards the end with the cable until it attaches with the endcap with cable.



Step 5
Evenly irradiate the glued area with a UV lamp until the glue solidifies.

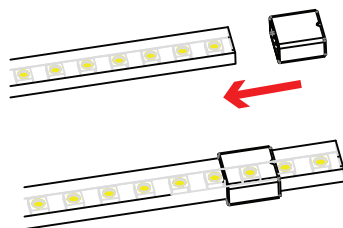


Step 2
Insert the endcap with cable's plug into the gap between the FPC board and the lining board of the strip light.

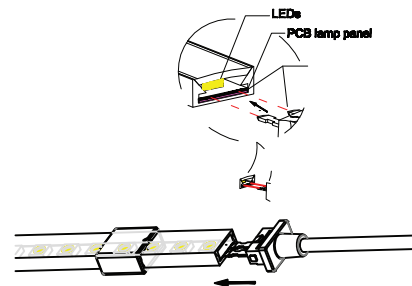


Step 4
Apply UV glue around the edges of the end cap. Wipe off excess glue.

Additional Installation - Jumper connector.

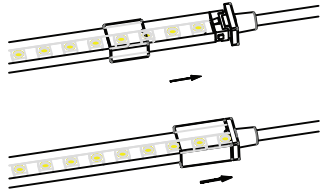


Step 1
Slide the plastic accessory onto the strip light.



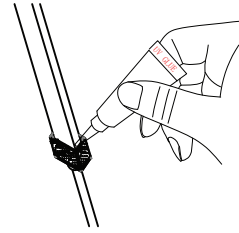
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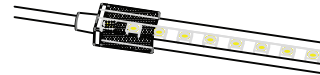
Step 4

Apply UV glue around the edges of the end cap. Wipe off excess glue.



Step 5

Evenly irradiate the glued area with a UV lamp until the glue solidifies.



Step 6

Repeat steps 1 to 5 to the other side.