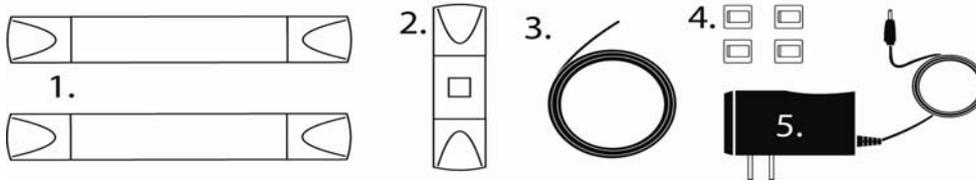




# LED TAPE LIGHT

www.tapelight.com

### Connex Starter Kit Includes:



- 1. 2 Connex Adhesive lights
- 2. 1-On/Off Adhesive switch
- 3. 3' of wire
- 4. 4-Wire clips
- 5. 1-12V DC Adaptor @1amp
- \* Optional mounting screws

### Benefits:

Ultra low power consumption, Pays for itself in less than 1 year! Lasts up to 100,000 hours, No tools needed, Cool light – no heat, No risk of shock!

### General Information:

The Connex LED light has been designed in a way to enable you to purchase add on kits and connect up to 24 Connex lights on the supplied transformer in the Start up package, with little effect to the light output. *Working voltage:* 12V DC, *Transformer:* 12V DC @ 1 amp. *Power:* .45W/unit *LEDs:* 20mA with 120\* viewing angle. *Luminous Intensity @ 20mA* typically 950

### Multiple Kit Connection Example

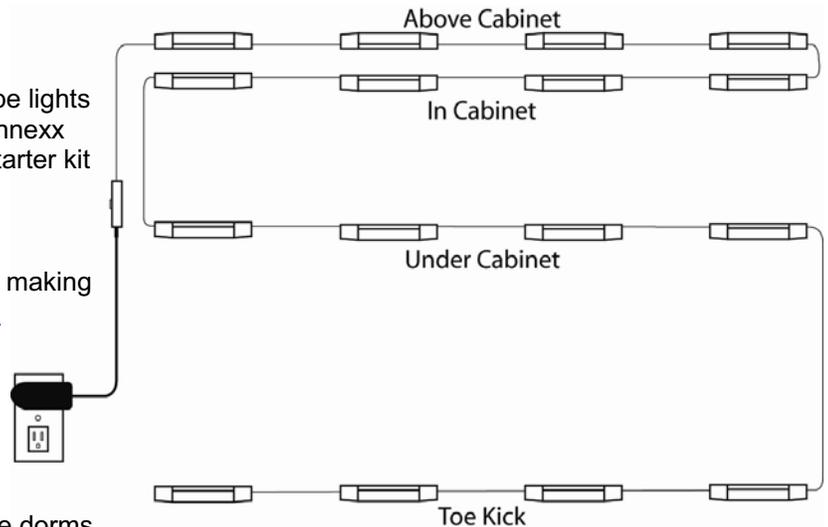
This example show a total of 16 connex LED Tape lights running off of the 1amp Transformer. Up to 24 Connex LED Tape lights can be used. In this example 1 Starter kit and 5 Add on kits are used.

### Alternative Wiring Methods

Each Light comes with 2 through hole wiring ports making installation even easier!! Go to [www.tapelight.com](http://www.tapelight.com)

### Uses:

Under cabinets, inside cabinets, toe kicks, above cabinets, under countertop, book cases, display cabinets, glass cabinets, desk units, shelving, workshops, closets, medicine cabinets, night light, entertainment cabinets, Garage, college dorms, bunk bed light, reading light, boats, vans, RVs, trucks, and much more.



### Precautions:

The transformer provided can support up to 24 lights. Not rated for wet locations. Use only with Connex UL listed class 2, 12 V DC 1000mA power supply. Recommended for surface mount. Do not use any other wiring than the wire provided by Connex. Mount only to a clean dry surface. Always test lights before mounting. Adhesive tape provided is a permanent mounting tape and may damage surface if removed. Do not mount this product near heat sources which may damage the Connex light.

### Warranty:

Illuminetrix Inc. warrants the Connex LED light to be free from defects in material & workmanship for a period of two years from the date of purchase. The warranty is limited to repair or replacement at Illuminetrix Inc. options. Damage caused by modification, abuse or misuse of this product is not covered. To receive warranty service you must provide the original receipt and the defective product. Illuminetrix Inc. makes no other warranty expressed or implied of merchantability or fitness for a particular purpose. In no event shall Illuminetrix Inc. be liable for special incidental or consequential damages. Some states do not allow limitations on how long an implied warranty lasts and/or do not allow the exclusion of consequential damages, so the limitations may not apply to you.

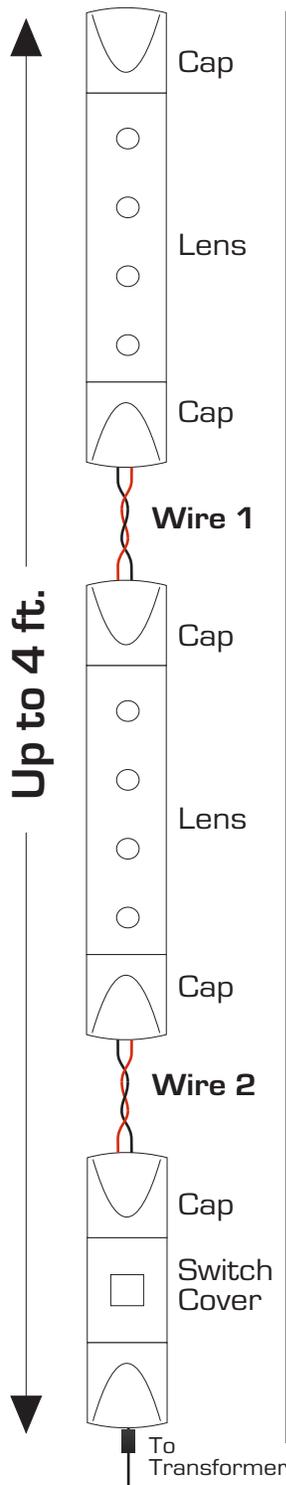
### \*Optional Screw Mounting

Each connex light fixture is manufactured with two holes so the product can be permanently mounted using screws. Ensure that the screws are shorter than the depth of the material into which they are to be screwed and will not touch any electrical circuitry or plumbing. If in doubt consult a professional tradesman for advice.

# It's So Easy! **ConnexX**<sup>®</sup>

## Wiring Your Connexx Tape Light System

Patent Pending



① **Measure the length you need for Wire 1 and Wire 2. Add 2" extra for the connectors. Cut using scissors. You don't need to remove the insulation.**

② **Remove the snap-on Lenses and Caps.**

Snap the lenses and switch cover off first, then the caps. In most cases, it is easiest to connect up all the wires before installing your Connexx lights and switch in place.

③ **Using finger pressure, press the wires firmly into the slots in the Wire Guides.**

**NOTE:** One slot is marked by a dot. Be sure to always use the same color wire in all marked slots.

④ **Put the Caps back on one by one, carefully aligning them in their guides. Press each Cap down firmly until it snaps in place. This will connect the wires.**

⑤ **Snap the Lenses and Switch Cover back on.**

It's time to test your Connexx Lighting System before installing. Plug the transformer into a regular 110V outlet, and fit the miniature connector into the plug on the Connexx Switch. Pressing the switch will turn the lights on and off. Don't worry - you can't get a shock from the Connexx lights and switch.

⑥ **Make sure the locations where you will mount the lights and switch are clean, dry, and non-porous.**

**Peel the protective film from the foam tape patches on the back of each unit. Then press the light and switch units in place one at a time. Reinsert the power connector, plug in the transformer, and enjoy your Connexx Tape Light System!**

For extra secure mounting, two screw-down positions are provided on each Connexx unit. Remove lens and switch covers to access them. Pre-drill holes.

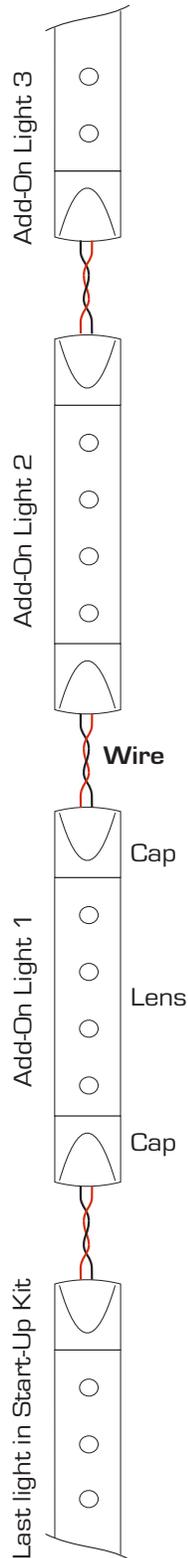
**Need more lights? The Connexx Add-On Kit, available separately, contains three light units plus all the necessary hardware. You can add up to 21 light units to your Start-Up Kit.**

# Connex<sup>®</sup>

## LED Tape Light Add-On Kit

Patent Pending

### How to Add up to 21 Tape Lights to your Connex Start-Up Kit



Review the wiring instructions from your original Connex Start-Up Kit, or refer to [WWW.TAPELIGHT.COM](http://WWW.TAPELIGHT.COM) for detailed step-by-step instructions on how to add lights to your Connex Tape Light installation. You may safely add up to 21 Tape Lights (7 Add-On Kits).

- 1 Plan your add-on installation, and cut the included wire to the required length. Unplug the original Start-Up Kit transformer.
- 2 Remove the snap-on Lenses and Caps including the lens and cap on the last light in your Start-Up Kit. Using finger pressure, press the wires firmly into the slots in the Wire Guides.  
**NOTE: One slot is marked by a dot. Be sure to always use the same color wire in all marked slots.**
- 3 Put the caps back on one by one, carefully aligning them in their guides. Press each Cap down firmly until it snaps in place. This will connect the wires.
- 4 Snap the Lenses back on.
- 5 Make sure the locations where you will mount the lights are clean, dry, and non-porous. Peel the protective film from the foam tape patches on the back of each Tape Light. Then press the light units in place one at a time.
- 6 Re-insert the power connector, and switch on the newly extended Connex Tape Light system!

# ConnexX<sup>®</sup>

## Electrical Specifications Sheet

Part No.	Dice	Lens Type	Iv (mcd) @ 20mA		Viewing Angle
			Min.	Typ.	201/2
Connex LED	WHITE (InGaN)	Yellow Diffused	600	950	120°

Note:  
1. 201/2 is the angle from optical centerline where the luminous intensity is 1/2 the optical centerline value.

**Reliability Test Items And Conditions**  
The reliability of products shall be satisfied with items listed below:  
Confidence level: 90% IFR: 10%

No.	Items	Test Condition	Test Hours/Cycles	Sample Size	Ac/Fc
1	Flow	Temp: 240°C ± 5°C Min. 5 sec.	9 Min.	22 Pcs.	0/1
2	Temperature Cycle	H: +100°C 15 min. H: 5 min. L: -40°C 15 min.	300 Cycles	22 Pcs.	0/1
3	Thermal Shock	H: +100°C 5 min. H: 10 sec. L: -40°C 5 min.	300 Cycles	22 Pcs.	0/1
4	High Temperature Storage	Temp: +100°C	1000 Hrs.	22 Pcs.	0/1
5	Low Temperature Storage	Temp: -55°C	1000 Hrs.	22 Pcs.	0/1
6	DC Operating Life	I: 20mA	1000 Hrs.	22 Pcs.	0/1
7	High Temperature/High Humidity	95°C/85%RH	1000 Hrs.	22 Pcs.	0/1

### Electrical / Optical Characteristics at TA=25°C

Symbol	Parameter	Device	Min.	Typ.	Units	Test Conditions
V <sub>f</sub>	Forward Voltage	White	3.0	3.2	V	I <sub>f</sub> =20mA
I <sub>r</sub>	Reverse Current	White		5	μA	V <sub>r</sub> =5V
X	Chromaticity Coordinates	White		0.43		
Y				0.44		
C	Capacitance	White		100	pF	V <sub>f</sub> =0V, f=1MHz

### Absolute Maximum Ratings at TA=25°C

Parameter	White	Units
Power dissipation	154	mW
DC Forward Current	30	mA
Peak Forward Current [1]	150	mA
Reverse Voltage	5	V
Operating/Storage Temperature	-40°C To +85°C	

Note:  
1. 1/10 Duty Cycle, 0.1ms Pulse Width.



The White source color devices are made with Gallium Arsenide Phosphide on Gallium Phosphide White Light Emitting Diode.

