LED NEON FLEX TUBE SERIES

An alternative to glass neon, LED NeonFlex is a flexible LED rope light system.
LED neon flex is a high quality, flexible LED strip with a unique co-extrusion technology. The combination of high quality and exceptional flexibility, allows for an endless range of indoor and outdoor applications. Uniform and without spot illumination at very low installation depths. IP67 rated flex is a solid state replacement for neon lighting and building outlines. It is flexible and available in solid colours including RGB. The key to the success of this product is the correct installation.
## Product features

- Anti-yellowing and heat resisting silicon glue, chemical acid and alkaline resistance, available for extremely terrible outdoor environment.
- Excellent flexibility to any shape.
- Uniform and soft luminance, no light spot.
- Super brightness large chip, golden wire welded and copper led holder for quicker heat dissipation, higher stability, longer life span.
- Leadless SMT technique (RoHS certificated), smooth welding joint, firm connection of led and pcb.

## Product Benefits

- Exceptional Flexibility
- High luminous flux
- High colour consistency

## Area of Application

- Landscape application
- Signboard / Corporate application
- Accent & Facade Lighting
- Hospitality Industry
- Commercial & Business Centers
- Residential & Educational premises
Low temperature resistance

Colloid under the conditions of -40 °C with no significant changes in colloidal characteristics
Long lifespan

Long lifespan, the LED neon flex tube can last for over 50,000 hours under conditions of continuous operations.
Flexibility

Use of environmentally friendly flame retardant soft plastic, to ensure that the light can be bent according to your needs, for home decoration, commercial decoration needs.
High waterproof level
Continuous light in seawater, waterproof grade up to IP67, anti-acid, anti-salt, anti-corrosion

IP67
High temperature resistance

180° High Temperature Resistance, Anti-yellowing, no light spot
High Lumen LED Chip

high lumen LED chip, effective conversion of light, eliminate the light spot, ensure quality of lifetime
Environmental flame retardant soft plastic

Environmental flame retardant soft plastic, good flexibility, safer with insulation protection, high transmittance.
Tinned wire, high thermal conductivity

Good electrical conductivity, heat dissipation, corrosion resistance, long life time
<table>
<thead>
<tr>
<th>Main parameters</th>
<th>Silicone flexible led strip</th>
<th>PVC flexible led strip</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Colloid features in -40°C</td>
<td>No crack after 30 days</td>
<td>Totally cracked</td>
<td>The low temperature resistant of silicone is superior than PVC or epoxy materials</td>
</tr>
<tr>
<td>Colloid features in 120°C</td>
<td>No obvious change after 72 hours</td>
<td>Colloid changed into yellow and deformed after 2 hours</td>
<td>The high temperature resistant of silicone is superior than PVC or epoxy</td>
</tr>
<tr>
<td>Colloid features in 180°C</td>
<td>No obvious change after 72 hours</td>
<td>Colloid changed into brown and some melted after 20 minutes</td>
<td>Over 150℃, PVC is easily hydrolyzed, Viscosity becomes weaken and easily seperated</td>
</tr>
<tr>
<td>Steadily lighted in Seawater for 72 hours</td>
<td>No obvious change</td>
<td>Serious atomization on the surface</td>
<td>The waterproof grade of silicone led strip can reach to IP67, high resistance to acidic alkali and salt properties</td>
</tr>
<tr>
<td>Thermal conductivity</td>
<td>Good thermal conductivity</td>
<td>No thermal conductivity</td>
<td>Pvc and epoxy cannot conduct heat, while silicone has good thermal conductivity</td>
</tr>
</tbody>
</table>
## Specifications

<table>
<thead>
<tr>
<th>Model</th>
<th>Voltage (V)</th>
<th>Watt (W/M)</th>
<th>LED Type</th>
<th>LED QTY</th>
<th>CCT (K)</th>
<th>LM</th>
<th>CRI</th>
<th>Size (MM)</th>
<th>Working Temp</th>
<th>IP Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>CL-2835XW120SY24-T1015</td>
<td>24</td>
<td>9.6</td>
<td>2835</td>
<td>120</td>
<td>3000/4000/6000</td>
<td>&gt;500</td>
<td>&gt;80</td>
<td>8<em>10</em>15</td>
<td>-20~50℃</td>
<td>IP67</td>
</tr>
<tr>
<td>CL-2835XW120SY24-T1322</td>
<td>24</td>
<td>9.6</td>
<td>2835</td>
<td>120</td>
<td>3000/4000/6000</td>
<td>&gt;200</td>
<td>&gt;80</td>
<td>13<em>16</em>22</td>
<td>-20~50℃</td>
<td>IP67</td>
</tr>
<tr>
<td>CL-2835XW120SY24-F1220</td>
<td>24</td>
<td>9.6</td>
<td>2835</td>
<td>120</td>
<td>3000/4000/6000</td>
<td>&gt;250</td>
<td>&gt;80</td>
<td>13*20</td>
<td>-20~50℃</td>
<td>IP67</td>
</tr>
<tr>
<td>CL-2835XW120SY24-F0612</td>
<td>24</td>
<td>9.6</td>
<td>2835</td>
<td>120</td>
<td>3000/4000/6000</td>
<td>&gt;350</td>
<td>&gt;80</td>
<td>6*12</td>
<td>-20~50℃</td>
<td>IP67</td>
</tr>
</tbody>
</table>
Installation accessories

The red wire for the anode, black wire for negative pole Cathode.

Installation accessories

AC 100-240V
DC 12V/24V
POWER SUPPLY

1. Prepare the screws and fixed clips
2. Adjust the fixed clips to the appropriate place, use a screwdriver to fix the screw.
3. Put the light emitting surface upwards, then insert the LED strip into the fixed clips
4. Fix led strip completely into the fixed clip, led strip subface must be parallel to the top edge of fixed clip
Cutting Method

It is feasible to cut along the black point on the side of led strip. Do not cut optionally to avoid damage to led strip.

Seal the section

1. Cut the appropriate place
2. Finished the cutting
3. Coat the section with glue uniformly after cutting
4. Insert the section into the plug according to direction of arrow
5. The effect of finished plug installation
⚠️ Precaution

Please notice that the strips are not bendable to all directions. As the appropriate specific shape and degree, please follow the following instruction:

Installation accessories

Face to the light surface, fold the strip, the minimum bending diameter is 40mm

Light surface upwards, the strip is bendable to right or left naturally, the minimum bending diameter is 50mm

Incorrect bending way

Face to the side surface, (as the picture shows) Do not bend downward to damage the strip

Face to the side surface, (as the picture shows) Do not bend upward to damage the strip

(as the picture shows) please do not twist the strip, or it will be damaged

LED strips are low voltage products, you must use the power supply (transformer). Do not connect the led strip directly to the AC 110v or AC 220v, otherwise it will burn out the LED strips and lead to safety (security) accidents.

Please read the specifications thoroughly before installation by professional staff to make sure the safe use.
LED neon flex show

CL-2835XW120SY24-T1015
LED neon flex show

CL-2835XW120SY24-T1322
LED neon flex show

CL-2835XW120SY24-F1220
LED neon flex show

CL-2835XW120SY24-F0612
Area of Application
Hotels and other entertainment decorated KTV;
Route instructions and exterior decorative outline;
Festive decorations, activities, venue set, exhibition
decoration, hall decoration;
Backlit billboards, advertising signs, channel signal signs;
Personal DIY home decoration
Certification

<table>
<thead>
<tr>
<th>Certification Details</th>
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<tbody>
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<td>Attestation of Conformity</td>
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</table>

| Holder of Certificate: | SHEN ZHEN QI LIGHTING TECHNOLOGY CO., LTD |
| Name of Object: | Lighting chain (LED strip lights) |

**Tested according to:**

<table>
<thead>
<tr>
<th>Standard:</th>
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<tbody>
<tr>
<td>EN 60061-2-13:2012</td>
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<tr>
<td>EN 60061-2-14:2014</td>
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**Test Report:**

<table>
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<th>Date:</th>
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<td>2018-05-15</td>
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**Intertek Certification**

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**BSCI Audit Summary Report**

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**Authorization to Bank**

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**Intertek Certification**

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**Intertek Certification**
Important notes

- A catalogue is not a substitute for a user manual. The installation illustrations above are for reference only.
- Always follow the instructions in the provided user manual.
- Cut only on the cut marks provided on the fixture housing.
- When applying linear solutions to a channel make certain to use an inappropriate silicone adhesive between the base of the channel profile and the fixture housing to eliminate stretching over time.
For more information about our LED Neon Flex or any other CL Lighting product, please get in touch:

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