Intended use
The product is intended for decorative purposes indoors. Attach the candle light chain to the branches of your Christmas tree for example.

For safety and approval purposes (CE), you must not rebuild and/or modify this product. If you use the product for purposes other than those described above, the product may be damaged. In addition, improper use can cause hazards such as short circuiting, fire, electric shock etc. Read the instructions carefully and keep them. Make this product available to third parties only together with its operating instructions.

This product complies with the statutory national and European requirements. All company names and product names are trademarks of their respective owners. All rights reserved.

Delivery content
• Lightchain
• Transformer
• 2 replacement lamp
• Operating instructions

Safety instructions
Read the operating instructions carefully and especially observe the safety information. If you do not follow the safety instructions and information on proper handling in this manual, we assume no liability for any resulting personal injury or damage to property. Such cases will invalidate the warranty/guarantee.

a) Persons / Product
• The device is not a toy. Keep it out of the reach of children and pets.
• Do not leave packaging material lying around carelessly. These may become dangerous playing material for children.
• Do not electrically attach this light chain to another light chain.
• Always check the product for damages before use. Should you discover any damage, cease use of the product. If you discover damages while the product is in use (i.e. damaged transformer), do not touch the product. Risk of fatal injury due to electric shock! First remove the power outlet to which the product is connected from the power supply (flip off the fuse and/or automatic circuit breaker and then turn off the residual current operated circuit breaker to disconnect the power outlet at all phases). Now unplug the transformer from the power outlet. Discontinue use of the product immediately and dispose of it in an environmentally friendly fashion.
• Protect the product from extreme temperatures, direct sunlight, strong jolts, high humidity, moisture, flammable gases, vapours and solvents.
• Do not place the product under any mechanical stress.
• Do not subject the product to any serious transport-related stresses.

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• Do not subject the product to any serious transport-related stresses.

Attention, LED light:
- Do not look directly into the LED light!
- Do not look into the beam directly or with optical instruments!

The product's flexible power supply cord cannot be exchanged or repaired. If the cord is damaged, the product must be disposed of.

• Please handle the product carefully. Jolts, impacts or a fall even from a low height can damage the product.
• The lights become hot during operation. Keep the product away from highly combustible materials while operating.
• The mains outlet must be located near to the device and be easily accessible.
• As power supply, only use the supplied transformer.
• Only connect the transformer to a normal mains socket connected to the public supply. Before plugging in the transformer, check whether the voltage stated on the transformer complies with the voltage of your electricity supplier.
• Never connect or disconnect transformers if your hands are wet.
• Never unplug the transformer from the mains socket by pulling on the cable. Always use the grips on the plug.
• When setting up the product, make sure that the cable is not pinched,inked or damaged by sharp edges.
• Always lay the cables so that nobody can trip over or become entangled in them. This poses a risk of injury.
• For safety reasons, disconnect the transformer from the mains socket during storms.
• This product is designed to be used indoors only.
• Attention, LED light:
- Do not look directly into the LED light!
- Do not look into the beam directly or with optical instruments!
• This product's flexible power supply cord cannot be exchanged or repaired. If the cord is damaged, the product must be disposed of.

Indoors Tree Light
Small Candle Lightchain 20
LCA-01-002

Candle Lightchain 16
LCA-01-003

Polarlite®
Operating instructions
b) Miscellaneous

- Maintenance, modifications and repairs are to be performed exclusively by an expert or at a qualified shop.
- If you have questions which remain unanswered by these operating instructions, contact our technical support service or other technical personnel.

Operation

Do not set up or operate the product under water.
Make sure that the cables hang loosely and are not stretched too tightly. Failure to heed this warning may cause the cables to tear.
Do not connect the product to the power supply while it is still in the packaging. Lay the product out entirely before connecting it to the power supply.
Do not hang any objects from the product and do not cover the product.
Make sure that a bulb is inserted into every socket.

- The LEDs are not dimmable.

1. Lay the product out entirely and arrange the cables so that they lie freely and are not tangled.
2. Attach the candles, for example, to your Christmas tree. Ensure stability when clamping the candles onto branches of the tree.
3. Connect the plug to the correct connector on the transformer.
4. Connect the transformer to a power outlet.
5. Disconnect the transformer from the power outlets for extended periods of disuse.

Replacing bulbs

- Always unplug the transformer from the mains outlet before changing any bulb.
- Do not install any bulbs in the sockets until you have finished arranging the cable.

- In order to avoid overheating, replace defective bulbs immediately with spare bulbs that have the same voltage and wattage.
- The scope of delivery includes 2 spare bulbs.
- Remove the defective light bulb and insert a new one.

Maintenance and cleaning

- The product is maintenance-free apart from occasional cleaning.
- Disconnect the transformer from the power supply before cleaning and allow the LEDs to cool down sufficiently.
- To clean, use a clean, dry, lint-free cloth. For stubborn dirt, slightly dampen the cloth with water.
- Allow the product to dry completely before continued use.

Disposal

- Electronic devices are recyclable waste and must not be disposed of in the household waste. At the end of its service life, dispose of the product according to the relevant statutory regulations. You thus fulfil your statutory obligations and contribute to the protection of the environment.

Technical data

a) Light chain

<table>
<thead>
<tr>
<th>Item No.</th>
<th>LCA-01-002</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operating voltage</td>
<td>24 V/DC*</td>
</tr>
<tr>
<td>Power consumption</td>
<td>max. 0.768 W</td>
</tr>
<tr>
<td>Number of lights</td>
<td>20</td>
</tr>
<tr>
<td>Luminous colour</td>
<td>Warm White</td>
</tr>
<tr>
<td>Power cable length</td>
<td>5 m</td>
</tr>
<tr>
<td>Total length</td>
<td>approx. 10.7 m</td>
</tr>
<tr>
<td>Distance between lights</td>
<td>30 cm</td>
</tr>
<tr>
<td>Operating conditions</td>
<td>-20 to +60 °C / 20 – 80 % RH</td>
</tr>
<tr>
<td>Storage conditions</td>
<td>-20 to +60 °C / 20 – 80 % RH</td>
</tr>
<tr>
<td>Weight</td>
<td>440 g</td>
</tr>
</tbody>
</table>

* The rectifier on the supply line of the light chain converts alternating current into direct current. Therefore, use only the transformer that is provided.

b) Transformer (DE-02-24)

| Input voltage | 230 V/AC, 50 Hz |
| Output voltage | 24 V/AC |
| Output current | 166.7 mA |
| Output power   | max. 4 W |

c) Light chain

<table>
<thead>
<tr>
<th>Item No.</th>
<th>LCA-01-003</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operating voltage</td>
<td>24 V/DC*</td>
</tr>
<tr>
<td>Power consumption</td>
<td>max. 3.84 W</td>
</tr>
<tr>
<td>Number of lights</td>
<td>16</td>
</tr>
<tr>
<td>Luminous colour</td>
<td>Warm White</td>
</tr>
<tr>
<td>Power cable length</td>
<td>5 m</td>
</tr>
<tr>
<td>Total length</td>
<td>approx. 17 m</td>
</tr>
<tr>
<td>Distance between lights</td>
<td>80 cm</td>
</tr>
<tr>
<td>Operating conditions</td>
<td>-20 to +60 °C / 20 – 80 % RH</td>
</tr>
<tr>
<td>Storage conditions</td>
<td>-20 to +60 °C / 20 – 80 % RH</td>
</tr>
<tr>
<td>Weight</td>
<td>600 g</td>
</tr>
</tbody>
</table>

* The rectifier on the supply line of the light chain converts alternating current into direct current. Therefore, use only the transformer that is provided.

d) Transformer (DE-04-24)

| Input voltage | 230 V/AC, 50 Hz |
| Output voltage | 24 V/AC |
| Output current | 166.7 mA |
| Output power   | max. 4 W |

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