



CL-100 WW/CW
Instruction manual

EN



Christmas string LED lights

Intended use of the device

The device is intended exclusively as a light Christmas decoration for decoration, which is determined by technical and operational parameters and functions, safety and user instructions and external influences of the operating environment.

ORAVA electrical equipment is manufactured according to the knowledge of the current state of technology and recognized safety and technical rules. Nevertheless, incorrect and unprofessional use or use contrary to the intended purpose may create a risk of injury or endanger the life of the user or a third party, resp. damage to equipment and other property.

1.1. General safety instructions

- Before putting the device into operation, we recommend that you read the instructions carefully and operate the device according to the specified instructions! The luminaires are designed either for indoor use indoors or for outdoor use outdoors, depending on the type of product.
- By failing to observe the safety instructions and warnings, the manufacturer is not liable for any damage to health or property!
- Always keep the operating instructions with the device for future reference and use by new users.
- Use the device only for the intended purpose and in the manner specified by the manufacturer.
- The device is intended for use in the home and in similar indoor areas intended for housing without special focus.
- The manufacturer is not liable for damage caused during transport, incorrect use, damage or destruction of the device due to adverse weather conditions.
- Do not use the device in an industrial or outdoor environment!
- Do not expose the device to:
 - sources of excessive heat or open flame
 - insects, animals and flora,
 - aggressive and chemical substances.
- The operating environment of the device must always comply with the specified basic characteristics.

1.2. Operating environment safety

- Ambient temperature: -10 to +65 ° C
- Humidity: 15 ÷ 85%
- Altitude: ≤ 2,000 m
- Occurrence of water: occasional condensation of water or the presence of water vapor 5. Occurrence of foreign bodies: the amount and type of dust are insignificant
- Degree of protection by cover: IP20

1.3. Electrical safety

- Before connecting the device to the mains for the first time, make sure that the mains voltage indicated on the device plate of the device corresponds to the mains voltage in your home.
- The electrical device is intended to be supplied from the mains 1/N/PE ~ 230 V 50 Hz.
- The electrical safety of the device is only guaranteed if it is connected correctly to the mains.
- Always connect electrical equipment to an easily accessible power socket. In the event of an operating fault, the device must be switched off and disconnected from the mains as soon as possible.
- Do not unplug the power cord / power cord by pulling on the cord / cord. Disconnect by unplugging the power cord by the plug of the power cord / power cord.
- If you use an extension power cord, make sure that the total ampere rating of all the devices connected to the extension cord does not exceed the max. current load of extension cable.
- The plug of the device power cord must be compatible with the AC socket. Never use any adapters or otherwise modify the socket. Do not use unsuitable and damaged sockets!
- Do not bend, squeeze, or otherwise expose the device's power cord / power cord to mechanical stress or external heat. Damage to the power cord may result in electric shock.
- If the power cord is damaged, unplug the device and do not continue to use it.
- If the supply cord / plug is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.

1.4. Personal safety

- This device is intended for use and operation by persons without electrical qualification - by laymen, according to the instructions specified by the manufacturer.
- Operations of the equipment include activities such as turning the equipment on and off, user manipulation and setting of operating parameters, visual or auditory inspection of the equipment, and user cleaning and maintenance.
- The device can only be installed from the age of 18.
- Always keep the device out of the reach of children during use and operation. Remember that the device can also be downloaded with a freely accessible power cord.
- Always take extra care when operating electrical equipment!

1.5. Cleaning, maintenance and repairs

- To clean the device, wipe it with a soft, dry cloth. Unplug the device before cleaning.
- Only entrust warranty or post-warranty repair of the electrical device to a qualified technician.

Special safety instructions

- The electrical equipment is designed and manufactured in such a way as to enable safe operation and use by persons without professional qualifications. Despite all the measures taken by the manufacturer for safe use, operation and use, there are certain residual risks and the associated hazards.
- The following symbols and their meanings have been used on the device and in the accompanying documentation to warn of possible dangers:



This symbol alerts users to the fact that the device operates on hazardous electrical voltage. Do not remove the protective covers on the device. Failure to observe the safety instructions for the use and operation of the device may result in:
Danger of electric shock! Danger of serious injury or death!



This symbol alerts users to the risk of serious injury or death if the safety instructions for the use and operation of the device are not observed! Danger of equipment damage or other property damage!



This symbol means that the product is made with double insulation between dangerous live parts (parts with dangerous mains voltage) and parts that are accessible during normal use.

IP20

This symbol alerts users that the device is protected against the ingress of bodies with a diameter greater than 12.5 mm, for example a finger, and is not protected against the ingress of water.

Unpacking/Packaging

- Before putting the device and accessories into operation, unpack and remove all parts of the packaging materials, labels and labels. Keep packaging materials in a safe place or keep them out of the reach of children and incompetent persons. Danger of serious injuries! Danger of suffocation!
- We recommend performing initial and subsequent regular inspections of the device. Use the device only with accessories and spare parts supplied and approved by the manufacturer.

Inspection/Commissioning

- Never use the device if it is incomplete, damaged or its parts or accessories have been damaged during use (e.g. due to a fall - tearing of the cable).

There is a risk of electric shock!

Danger of serious injuries!

Warning!

- Prior to commissioning, make sure that the correct voltage is available.
- Before each use, check the power cord for damage.
- Do not use the device if you find any damage on it. Danger of serious injuries!
There is a risk of damage to the device or other property damage!
- Do not use the device in places where there is a risk of explosion, in which there are flammable liquids, gases or dust. There is a risk of serious injury!
There is a risk of damage to the device or other property damage!

Operation/Supervision

- This device may only be used with original and undamaged parts and accessories.
- Equipment that is not removed from the packaging must not be connected to a power source. There is a risk of fire!

WARNING!

- Do not use or place the device near containers containing water. If the device falls into water, take it to a qualified service representative to verify that it is safe and working properly. There is a risk of electric shock!
Danger of electrical short circuit!
- Never overload the device above the limits set by the technical parameters!
- Always divide the operating mode (operating / operating time and break time) of the device into the recommended operating intervals and follow these instructions.
- If you notice any abnormal manifestations (sounds, odors, smoke ...) while using the device, turn off the device immediately and disconnect it from the mains. Have the device checked by a specialist garage.
- Do not install the device in places where it could be damaged.
- Warning! Risk of electric shock if the LED is damaged or missing. In this case, do not use the device. The device must not be combined with other types of lighting.
- Never look directly or with any devices at the connected LEDs due to possible eye irritation or eye damage.
- Do not cover the connected adapter or kit.
- Never underestimate the possible dangers and take extra care!!!

Power supply safety instructions

- Do not grab the AC adapter and cord and do not connect to the AC socket while your hands are wet or the AC adapter cord and cord or the device itself are wet. Always wipe your hands, power cord, and device thoroughly with a dry cloth. There is a risk of electric shock!
- Never insert any conductive objects (such as a screwdriver, etc.) into the connector for connecting the AC adapter.
Danger of electrical short circuit! Danger of explosion!
- Do not use travel adapters (for foreign sockets) as the power cord.
There is a risk of electric shock! There is a risk of fire!
- To disconnect the device from the power supply by pulling the plug out of the socket, do not pull on the power cord.

Disposal

- At the end of its service life, return the device for waste recycling electrical and electronic equipment.

Product information

Decorate your tree and your home with modern Christmas LED lighting, which will create a wonderful Christmas atmosphere in your home. Lights on LED chains are really economical, and therefore save up to 90% of energy costs compared to conventional Christmas bulbs. A lifespan of up to 30,000 hours is a guarantee that you don't have to change your Christmas lights every Christmas, but our Christmas LED lights will last you a really long time.

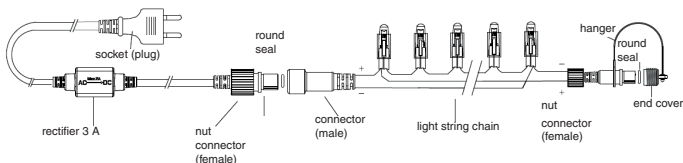
By purchasing this LED light chain, you have got a great decoration that will allow you to have a beautiful Christmas in the circle of your loved ones! Indoor and outdoor Christmas LED lighting can be used during Christmas to decorate a tree indoors or outdoors, but also other uses where you want to induce a pleasant Christmas well-being.

Advantages of LED lighting:

- Does not heat up and saves energy.
- If one LED goes out, nothing happens, the other LEDs continue to light without any problems
- Significant economic savings, LEDs consume a fraction of the electricity compared to light bulbs.
- Possibility of interconnection of several light chains and thus obtain longer chain.

Description of parts

The string chain consists of the following components:



Using a string chain

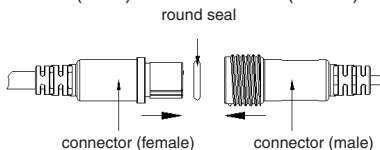
You can use the chain as a standalone product immediately after purchase.

- 1 Unpack the chain from the packing material, after unpacking it to the maximum length.
- 2 Place the chain where you want to use it (decorate the Christmas tree with it or hang it where you want it) near an easily accessible electrical socket with the prescribed voltage.
- 3 Insert the chain plug into an electrical socket. The chain lights up.
- 4 Unplug the chain from the electrical socket after use. The chain goes out.
- 5 When the chain is no longer in use, store it in its packaging and store it in a dry and convenient place.

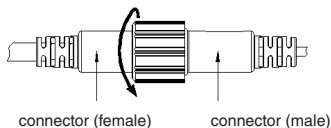
Connection of connecting connectors (male and female) when using several chains connected into one unit

You can buy more chains, connect them together and get a longer chain. The total power input and current load must not exceed the permitted current load of the circuit and circuit breaker of the socket used.

- 1 Connect the connector (male) to the connector (female).



2 Screw the lock nut of the connector (female) onto the thread on the connector (male).



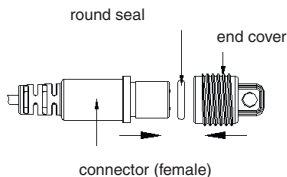
Warning!

Ensure that there is a round seal between the connectors (male and female). After connecting the connectors, screw the nut from the connector (female) to the thread on the connector (male).

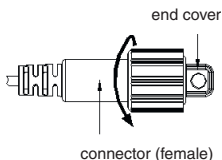
Slide on the supplied shrink tube to ensure a secure connection and prevent water from entering.

Closing the connector with the end cap and terminating the chain

1 Carefully slide the end cap into the connector (female)



2 Poistnú maticu na konektore (samica) naskrutkujte na koncový kryt.



Warning!

Ensure that there is a round seal between the connectors (male and female). After sliding the end cover, screw the nut from the connector (female) onto the thread on the end cover.

Slide on the supplied shrink tube to ensure a secure connection and prevent water from entering.

Cleaning and storage

Surface cleaning

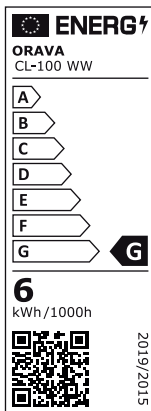
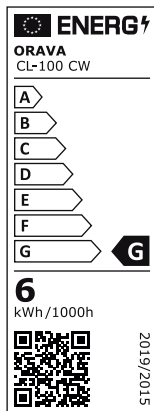
To clean the surface, use a soft cloth slightly moistened with a mild cleaning solution. Do not use harsh cloths, scouring powders, nor solvents such as diluent, gasoline or alcohol. They can damage the surface. Disconnect the chain from the mains before cleaning.

If you do not intend to use the product for a long time, store it in the original packaging in a dry and cooler place out of direct sunlight, out of reach of heat sources and out of reach of children.

Technical specifications

Power supply:	230 V~, 60 Hz
Power consumption:	7 W
Number of LEDs in the chain:	100 ks
Length:	10 m
Max. allowed number of connected chains:	20
Supplied accessories:	Instruction manual(1)

Technical data subject to change without notice!



Producer:

ORAVA retail 1, a.s.
Seberínho 2
821 03 Bratislava
Slovenská republika

Importer:

ORAVA retail 1, a.s.
Seberínho 2
821 03 Bratislava
Slovenská republika

ORAVA distribution CZ, s.r.o.
Ostravská 494
739 25 Sviadnov
Česká republika

DISPOSAL OF USED ELECTRICAL AND ELECTRONIC EQUIPMENT

The symbol on the product or on its packaging indicates that this product does not belong to household waste. It is necessary to take it to a collection point for electrical recycling and electronic equipment.

By ensuring proper disposal of this product, you will help prevent negative consequences to the environment and human health that would otherwise be caused by inappropriate disposal of this product. For more detailed information about recycling of this product, please contact your local authority, your household waste disposal service or the shop where you purchased the product.



This product meets all the essential requirements of the EU directives that apply to it.