

OPERATING MANUAL FOR COB LED STRIPS

EC67799, EC79929, EC79930, EC79930, EC79930, EC20091, EC20092, EC20093, EC20299, EC20300, EC20301, EC20302, EC20303, EC20304, EC20305, EC20306, EC20307, EC20308, EC20345, EC20346, EC20347, EC20348, EC20349, EC20350, EC20414, EC20415, EC20416, EC20693, EC20694, EC20695, EC20696, EC20697, EC20698

1. Do not connect LED strips directly to 230V. Before installation you should select an appropriate 12V or 24V power supply designed for LED lighting. It is important to check whether the power source meets all the technical requirements regarding the input and output voltage before the use. It is imperative to follow connecting guidelines visible on the power supply and LED strip regarding polarity of the connection. The same guidelines apply to controllers and dimmers.
2. Before cutting and mounting LED strip perform a brief check of emitted light: its consistency regarding even distribution and appropriate color of the LEDs.
3. LED strips can only be used according to their intended purpose, the assembly of the strips should be performed according to the guidelines specified below (if otherwise stated, proceed according to the guidelines on the box):
 - a) Operating temperature -20°C ~ +60°C.
 - b) Apply only in conditions allowing unobstructed air circulation around the LED strip (avoid installation of the strip in enclosed boxes) and on metal surfaces allowing sufficient heat dissipation from the strip.
 - c) Do not install in conditions that expose the strip to steam, water or other liquids, direct sunlight, UV radiation and places with high temperature (does not apply to products with IP rating allowing for use in such conditions).
 - d) It is imperative to make good soldering of all the elements between LED strip and power supply and to use only electric cables with sufficient diameter for the load.
 - e) Before mounting LED strip, the surface should be cleaned from dust, dirt or other substances and ungreased.
 - f) LED strips should be mounted on surfaces with sufficient heat dissipation e.g. aluminium profiles. Assembly on wood surfaces, plastic or other materials with poor heat transfer can lead to accelerated wear of LEDs due to exceeded working temperatures as a result of insufficient heat dissipation.
 - g) In case of assembly on surfaces conducting electricity appropriate insulation has to be provided between the surface and the LED strip (do not allow any perforation and electricity conduction).
 - h) Separation of LED strip can only be done along dedicated cutting sections (indicated on the LED strip by vertical line) and only when the main power supply is disconnected.
 - i) Do not use with installations without overvoltage and overcurrent protection and powered from portable electric power generators.
 - j) Assemble only if the main power supply is disconnected.
 - k) Take care during removing protective layer from the double-adhesive 3M™ tape to avoid any perforation. Perforation or other mechanical damage is not a subject to warranty claims (is not a latent defect).
 - l) LED strip should be powered through electrical cables with sufficient diameter in order to avoid voltage drops throughout the LED strip. We recommend supplying power to LED strips every 5 metres.
4. Usage of LED strips in deviation of operating manual or other guidelines specified by the manufacturer may cause accelerated wear or improper performance. Most common symptoms of wear are: lower light intensity, change in the colour temperature, discolouration or distortion of elements of the LED strip caused by overheating, complete or partial failure of LED diodes.

SAFETY AND MAINTENANCE

To ensure optimal technical parameters, the tape should be periodically carry out its maintenance. Before cleaning the product, be sure to disconnect the device from the power supply. Disregarding this warning may result in danger of electric shock. The tape should be wiped with a damp with a soft cloth using generally available liquid detergents, and then wipe dry. Do not use caustic agents and solvents. Do not use water jet under pressure.



This device is labelled with a crossed out wheeled bin symbol with a single black line underneath (WEEE), as prescribed by the European Community Directive 2012/19/AE of 04.07.2012 and in accordance with The Waste Electrical and Electronic Equipment Act of 11 September 2015. This symbol indicates that device may not be disposed of with other household waste. The user is responsible for the disposal of this equipment through a designated "WEEE" collection points, such as local collection points, stores or designated local authority bodies. This policy is intended to promote greater efficiencies in the management of WEEE disposal and to enforce the protection of the environment and human health.

ATTENTION!

It is recommended to power the strip from both sides. The distance from the power supply to strip should not exceed 2m.



RECOMMENDED WAYS OF CONNECTING LED STRIPS

