

Installation manual of Dien LED Series 1000 systems and selection of the required number and type of drivers for them

SELECTION OF DRIVERS

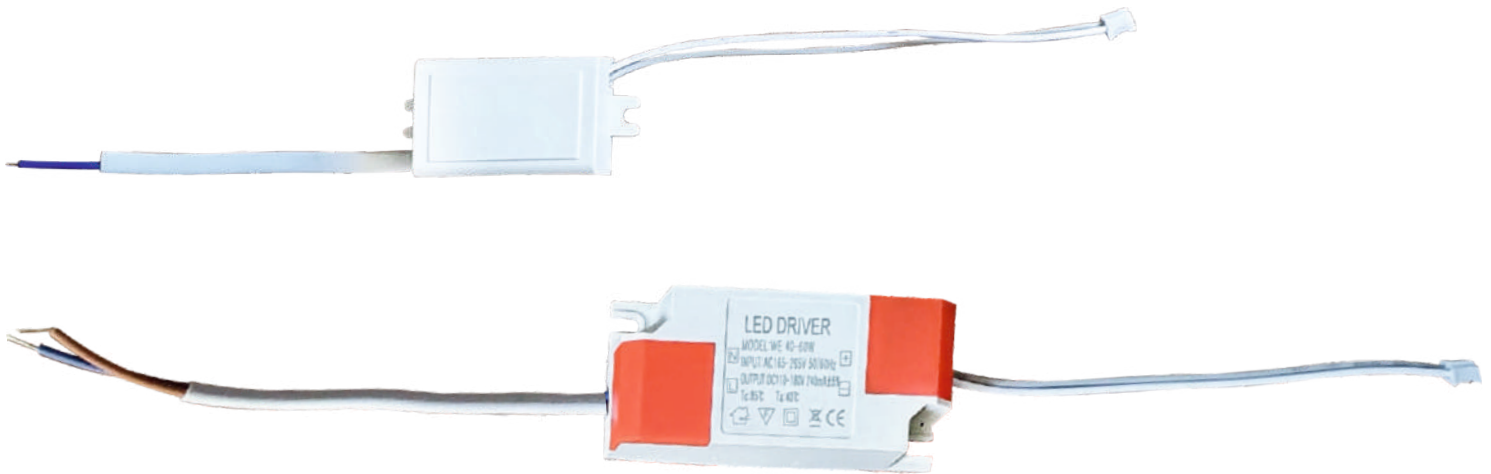
For the correct selection of drivers for Dien Series 1000 LED systems, it is necessary to first determine the total power of the powered system. Then distribute this power over the appropriate number of branches according to the scheme of the specific application, and the condition must be met:

The installed branch power must be

in the range of 10-25W if you are going to use the D1000 / 10-25W driver

or

in the range of 30-60W if you are going to use the D1000 / 30-60W driver



NOTE:

It is not allowed for the consumption of the powered brunch to be less than the minimum power of the selected driver (below 10W for D1000 / 10-25W and below 30W for D1000 / 30-60W), as this will cause the LED modules to failure.

It is not allowed for the consumption of the powered brunch to be higher than the maximum power of the selected driver (above 25W for D1000 / 10-25W and over 60W for D1000 / 30-60W), as this will cause malfunction of the LED modules.

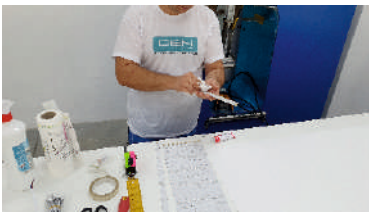
INSTALLATION OF LED SYSTEMS DIEN SERIES 1000



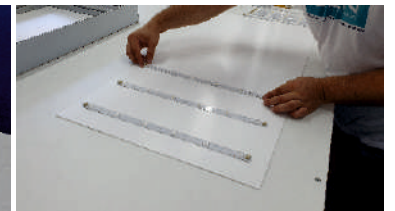
Prepare the necessary materials - mounting box, appropriate number and type of LED modules according to the prepared installation scheme, appropriate number of drivers, cables with connectors (different lengths), end caps, cleaning towels and surface degreaser, special thermally conductive adhesive for fixing of LED modules D/G330 or D/G50. Prepare the necessary tools for installation - tape measure, line, pencil, tape, etc.



Draw the bottom of the box according to the layout of the LED modules positions.



Clean and degrease the places where the LED modules will be positioned.



Apply the special thermo conductive adhesive for fixing LED modules D/G330 or D/G50 along the entire length of the back of the LED modules and fix the LED modules on their places by pressing to the mounting surface (bottom of the box).



Fix the drivers in the specified places by gluing (similar to LED modules) or mechanically - by screwing to the box.

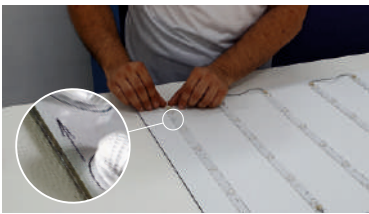
NOTE:

To avoid the risk of displacement of the elements from their places, perform the wiring after the final drying of the adhesive or use duct tape. Ground the system, then test its proper operation.

INSTALLATION OF LED SYSTEMS DIEN SERIES 1000



Connect the cables through their quick connections to the LED modules and drivers.



Insert the end cap into the free terminal of the last LED module in each branch. Follow the correct direction of wiring - it must be done in the direction of the arrows marked on the LED modules that indicate the sequence of connection from the driver, through the modules to the end cap on the last module.



Test the connections before assembling the equipment (billboard, suspended ceiling, etc.)



Once you are sure that everything is in order, you can proceed to the finishing work.

IMPORTANT!

The installation must be performed by a qualified technician!
The installation must be performed with the supply voltage switched off!
Electric shocks and reverse voltages can damage system components!
The system must be earthed!