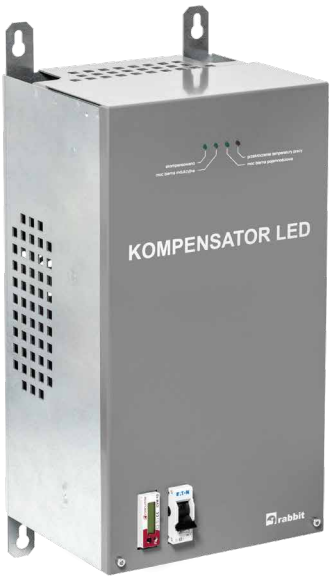
LED COMPENSATOR

COMPENSATOR OF LED'S CAPACITIVE REACTIVE POWER



A compensator of LED's capacitive reactive power is a device used to eliminate capacitive reactive energy consumption.

The LED's compensator was designed in such a way as to significantly reduce the losses generated in the LED lighting installation that result from the capacitive reactive power flow. In practical terms, this means reducing high costs for capacitive reactive energy, which are more and more often invoiced by power plants. The equipment offered by our company is designed for operation in street lighting systems equipped with LED lamps. Such equipment is parameterised to specific circuits during production process and additionally adjusted during its assembly in order to ensure optimum operation of the circuits. The LED's compensator is compatible with CPAnet type street lighting controllers. This allows automatic remote supervision over the compensation process. The device should preferably be mounted when a new LED lighting cabinet is designed and constructed. Such solution significantly reduces the cost of the entire project.

FEATURES OF THE DEVICE

- optimisation of reactive power in LED lighting circuits
- single-phase and three-phase version available
- power and compensation parameters may be read on the device's display
- may be used in cable networks, overhead lines, for internal and external lighting in power distribution systems supporting facilities
- compatibility with CPAnet system - remote management and network monitoring
- high economic efficiency allows to reduce the cost of reactive power and thus to improve the quality of energy
- environmentally friendly device – thanks to elimination of capacitive reactive power consumption, the CO_2 emission may be reduced
- rate of return on purchase of the device starting from 3 months

TECHNICAL SPECIFICATIONS

- power supply voltage: 230 V
- power range up to 4 kVAr
- operating temperature: from -20°C to +55°C
- protection level: IP20
- mounted in a lighting cabinet
- dimensions and weight depend on the version