

Light is OSRAM

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OPTOTRONIC®

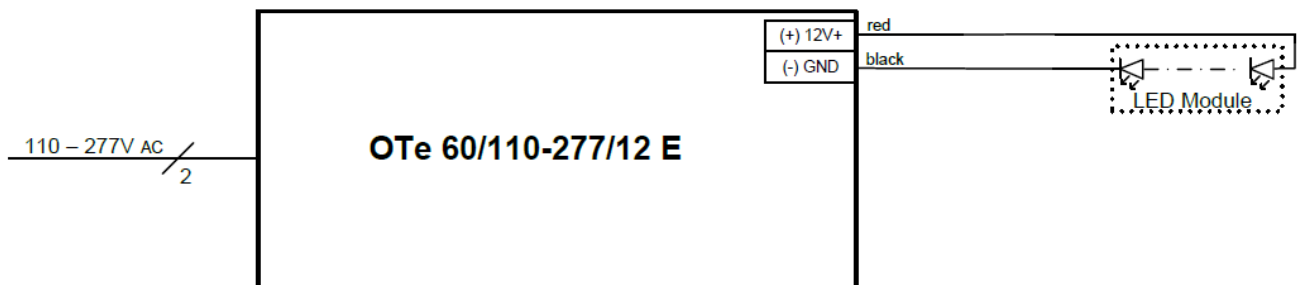
OTe 60/110-277/12 E

Constant Voltage LED Power supply for 12V LED - Modules

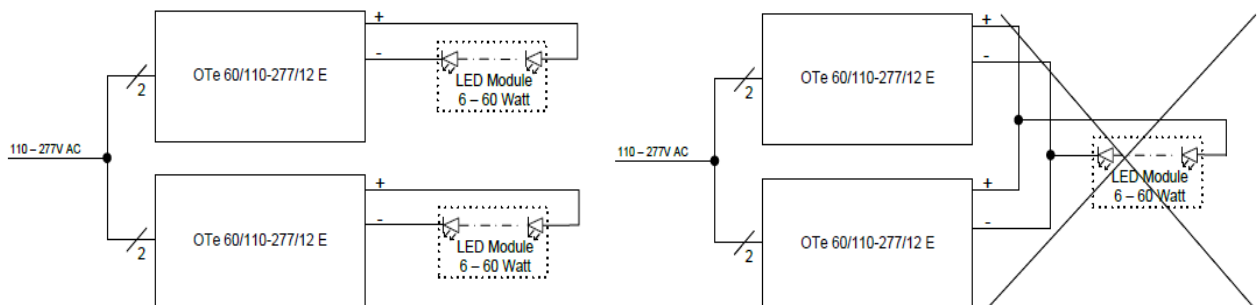
1 Technical data

| | | | |
|-----------------------|--------------------------------|------------------------------------|------------------|
| Nominal Voltage | 110-277V _{AC} | Maximum Output Power P_{\max} | 60W |
| Input Voltage | 100-305V _{AC} | Minimum Output Power P_{\min} | 6W |
| Line Current, nominal | 0.65A at 110V 0.35A at 230V | Output Voltage | 12.5V (+/- 4%) |
| Mains Frequency | 50 / 60Hz | Ambient Temperature T_a | -25 °C to +55 °C |
| Power Factor | ≥ 0.95 @230Vac | Max. Case Temperature at T_c | 80°C |
| IP Rating | IP 64 | Max. Case Length | 10m |

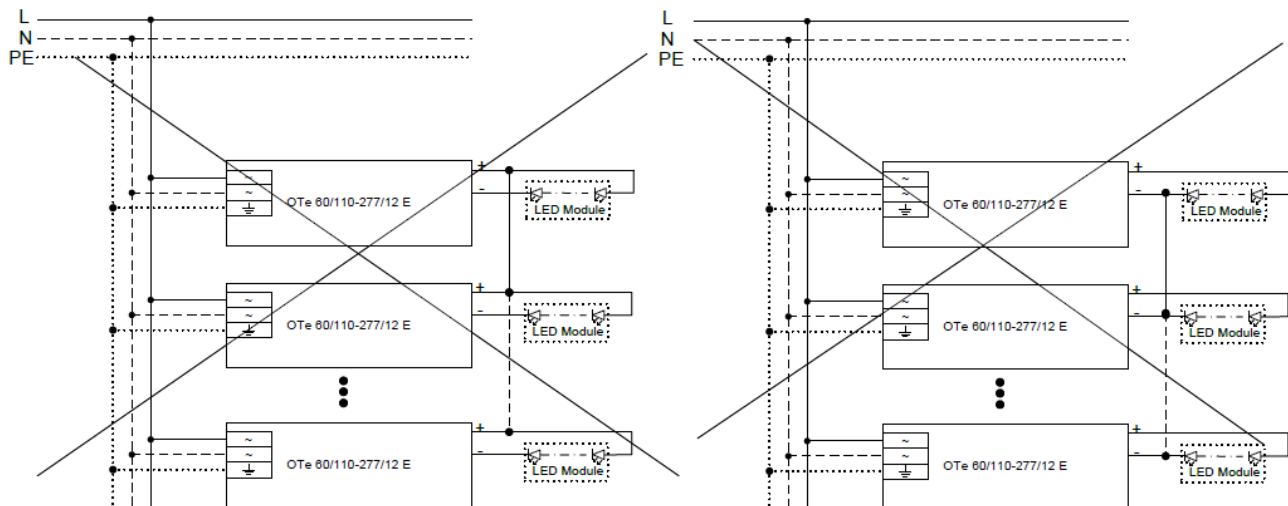
2 Connection Schemes



3 Safety



Power supplies can be connected in parallel on the primary side, but not on the secondary side



The installation of two or more OPTOTRONIC® OTe 60/110-277/12 E Power supplies with common "N" or "PE" wiring is forbidden.

4 Wiring and Connection

- Ensure that the LED module load is within the range of rated voltage, current and power (see Technical data)
- Maximum output cable length is limited by EMI and cross diameter
- Use output cable sections adequate to the load demand
- The luminaire manufacturer is responsible for providing the required clearances and creepage distances and also for protection against electrical shock, especially for the line and load wires
- Please avoid direct exposure of sunlight and in case of exposure to UV rays, protect the cables with suitable silicone sheath
- For energy saving, please do not power on the driver without LED load and secondary switching is not allowed.

5 Earth Connection

- Protective earth connection of OTe 60/110-277/12 E is mandatory for safety and EMC reasons
- The ground connection has to be done via the housing case and proper countersunk screws should be used

6 Mounting and Environmental protection

- The control gear is a build in type for luminaire integration
- Maximum permissible ambient temperature must not be exceeded. Make sure there is adequate space to avoid a build-up of heat. In critical installations the temperature at T_c has to be controlled

7 General Note

- Power supplies must be installed by a qualified electrician
- Disconnected from mains supplies before wiring work
- For further information see also "OPTOTRONIC – Technical guide" at www.osram.com



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