

LD135 constant current power supply for LED-lighting

LD135 is a high efficiency power supply, operating from 230VAC mains voltage. It is designed to drive 8, 16 or 24pcs of serial-connected LEDs with 350mA constant current.

Output channel is SELV-class, isolated from the mains. Output voltage is maximum 80V.

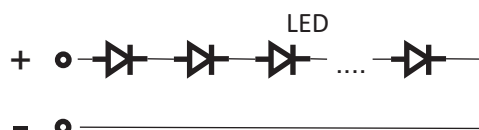
Output current ripple is low, that provides long LED lifetime.

LD135 comes with a built-in Power Factor Corrector (PFC) and RFI filter. These provide low radio frequency disturbance and THD, outperforming concerning standards (EMC, EN 61000-3-2, EN 55015).

LD135 has an effective overvoltage protection

Standards:

- EN 61347-2-13
- EN 62384
- EN 55015
- EN 61000-3-2



Binding diagram

Technical parameters

| Types | LD135-8 | LD135-16 | LD135-16T | LD135-24 | LD135-24T | unit |
|----------------------------|-----------------|------------------|------------------|------------------|------------------|--------|
| Size LxWxH | 235x30x29 | 235x30x29 | 150x40x30 | 235x30x29 | 150x40x30 | mm |
| Light source | 7..8 LED | 12...16 LED | 12...16 LED | 16...24 LED | 16...24 LED | pcs |
| Nominal voltage | 230 | 230 | 230 | 230 | 230 | V |
| Operating voltage | 195-260 | 195-260 | 195-260 | 195-260 | 195-260 | V (AC) |
| Nominal current (U = 230V) | 0,06 | 0,09 | 0,09 | 0,15 | 0,15 | A |
| Mains frequency | 50-60 | 50-60 | 50-60 | 50-60 | 50-60 | Hz |
| Internal loss | <3 | <4 | <4 | <5 | <5 | W |
| Efficiency (U = 230V) | 76 (8 LED) | 85 (16 LED) | 85 (16 LED) | 87 (24 LED) | 87 (24 LED) | % |
| Power factor (U = 230V) | >0,9 | >0,93 | >0,95 | >0,95 | >0,95 | |
| Max. output voltage | 30 | 60 | 60 | 80 | 80 | V (DC) |
| Output current | 350 +5% (8 LED) | 350 +5% (16 LED) | 350 +5% (16 LED) | 350 +5% (24 LED) | 350 +5% (24 LED) | mA |
| Max. output power | 10 | 20 | 20 | 30 | 30 | W |
| Min. output power | 7 | 12 | 12 | 16 | 16 | W |
| Output current ripple | <10 | <10 | <10 | <10 | <10 | % |
| Max. ambiente temp. (Ta) | 80 | 80 | 80 | 80 | 80 | °C |
| Min. ambiente temp. (Ta) | -30 | -30 | -30 | -30 | -30 | °C |
| Protection class | I. | I. | I. | I. | I. | |
| Weight | 240 | 240 | 240 | 240 | 240 | g |