

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.

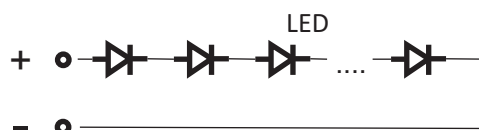
Output current ripple is low, that provides long LED lifetime.

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