

➤ Product description

- Constant current LED driver
- Ideal for linear and panel lights
- Terminal Block for quick connection
- High Power factor > 0.95
- Flicker free
- Protection: open circuit, overload, over temperature
- Simple installation via clips or screws
- Up to 90 % efficiency
- Long life-time up to 50,000 hours
- 5-year guarantee

➤ Housing properties

- Low-profile metal casing with white cover
- Type of protection IP20

➤ Functions

- Overload protection
- Short-circuit protection
- No-load protection
- Surge protection voltage 2 kV (L/N to earth)

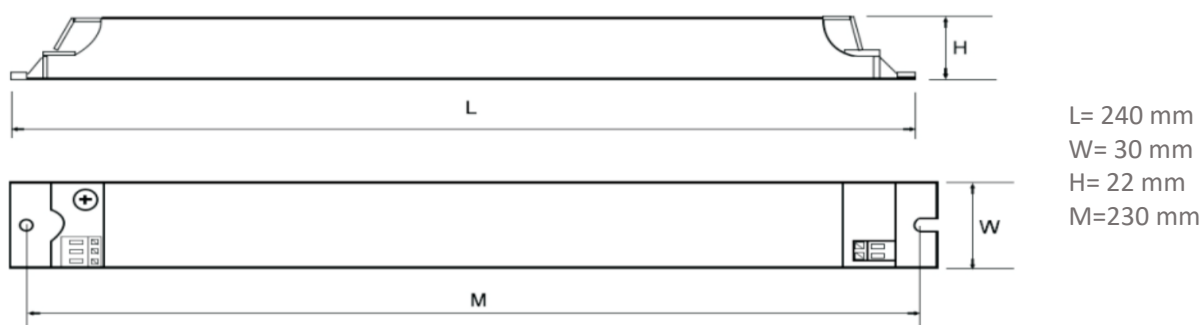


▪ **Technical Data:**

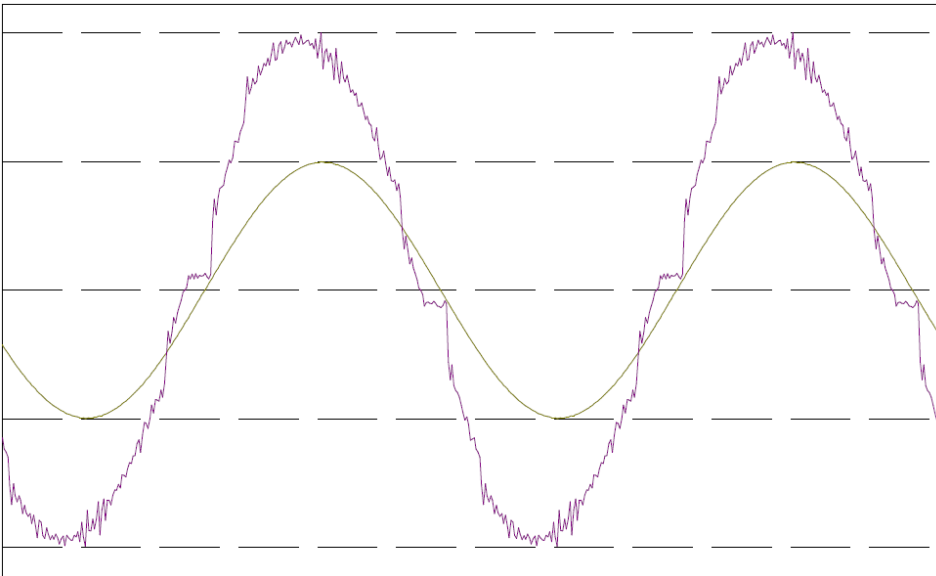
Technical data	
Rated supply voltage	220 – 240 V
AC voltage range	184 – 264 V
Typ. input current (at 230 V, 0 Hz, full load)	0.38 A
Mains frequency	50 / 60 Hz
Ambient temperature rang	-25 .. +55° C
tc	85° C
Max. output power	83 W
Output current tolerance	± 5 %
Output LF current ripple (< 120 Hz)	± 3 %
I rate	350 mA
Type of protection	IP 20
Classification acc. to IEC 62031	Built-in
ESD classification	Severity level 2
Dimensions L x W x H	240 x 30 x 22 mm
Hole spacing	230 mm
Life-time	50,000 h
Guarantee	5 year

▪ **Electrical characteristics :**

TYPE	Input Voltage	Output Power	Output Current	Output voltage	Efficiency	Power Factor	THD
CCD-80W-350mA-L-PRO	220-240 V AC	80 W	350 mA	130..232 V DC	90%	>0.97	<10%



Input Characteristics Test Report:



Voltage: 230.16 V
 Current: 0.381 A
 Power: 85.38 W
 Power Factor: 0.9736
 Frequency: 50 Hz

Short-circuit behavior

In case of a short circuit on the output side (LED) the LED Driver switches into hic-cup mode. After elimination of the short-circuit fault the LED Driver will recover automatically.

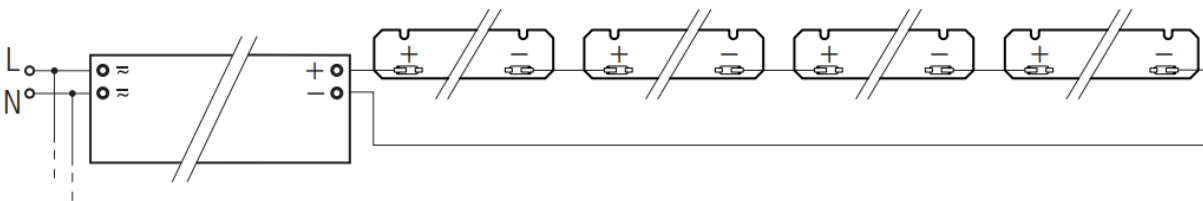
No-load operation

The LED Driver works in burst working mode to provide a constant output voltage regulation which allows the application to be able to work safely when LED string opens due to a failure.

Overload protection

If the maximum load is exceeded by a defined internal limit, the LED Driver will protect itself and LED may flicker. After elimination of the overload, the nominal operation is restored automatically

Wiring example:



Wire preparation:

The wiring can be stranded wires with ferrules or rigid wires with a cross section of 0.5 – 1.5 mm². Strip 8.5 – 9.5 mm of insulation from the cables to ensure perfect operation of the push-wire terminals.

