

Direct current electronic drivers Alimentatori elettronici in corrente continua

constant
VOLTAGE

**RIPPLE
FREE**



5.2.1

Constant voltage drivers - Linear case - Switchable
Alimentatori a tensione costante - Formato lineare - Non regolabili

Rated Voltage
Tensione Nominale
220 ÷ 240 V

Frequency
Frequenza
50/60 Hz

AC Operation range
Tensione di utilizzo AC
198 ÷ 264 V

Power - Potenza
0 ÷ 180 W

iTHD
≤ 20% ⁽¹⁾

Output current ripple
≤ 3% ⁽¹⁾

Standards compliance
EN 55015
EN 61000-3-2
EN 61000-3-3
EN 61347-1
EN 61347-2-13
EN 61547

Max. pcs for CB B16A
(see page info17)
30W: 24 pcs
60W: 12 pcs
75W: 12 pcs
90W: 12 pcs
120W: 12 pcs
180W: 2 pcs

In rush current
30W: 19A 270μsec
60W: 29A 330μsec
75W: 29A 330μsec
90W: 28A 270μsec
120W: 29A 310μsec
180W: 57A 540μsec

THD @full load
30W: 10%
60W: 10%
75W: 10%
90W: 20%
120W: 20%
180W: 20%

| Article Articolo | Code Codice | P out W | V out DC | I out DC | ta °C | tc °C | λ max. Power Factor | η max. Efficiency ⁽¹⁾ |
|---------------------|----------------|------------|-------------|--------------|-----------|----------|---------------------------|-------------------------------------|
| LCV 30W 24V | 127820 | 30 | 24 cost. | 1,25 A max. | -15...+45 | 80 | 0,95 | > 85 |
| LCV 60W 24V | 127821 | 60 | 24 cost. | 2,5 A max. | -20...+50 | 85 | 0,95 | > 88 |
| LCV 75W 24V | 127822 | 75 | 24 cost. | 3,125 A max. | -15...+45 | 85 | 0,95 | > 90 |
| LCV 90W 24V | 127823 | 90 | 24 cost. | 3,75 A max. | -15...+45 | 80 | 0,95 | > 88 |
| LCV 120W 24V | 127824 | 120 | 24 cost. | 5 A max. | -20...+45 | 90 | 0,95 | > 88 |
| LCV 180W 24V | 127825 | 180 | 24 cost. | 7,5 A max. | -20...+45 | 90 | 0,95 | > 92 |

⁽¹⁾ Referred to $V_m = 230$ V, 100% load - Riferito a $V_m = 230$ V, carico 100%

Accessories not supplied - Accessori non a corredo

| Article - Articolo | Code - Codice |
|---------------------------------|---------------|
| dimmer SED 4.5A R57 (Z.) | 120300 |



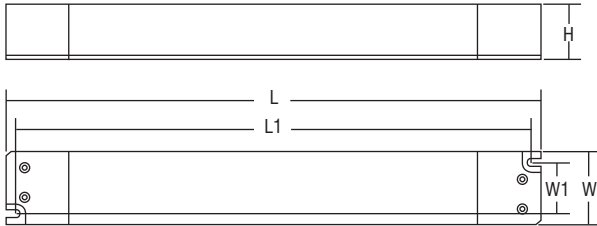
Features

- IP20 independent driver, for indoor use.
- Class II protection against electric shock for direct or indirect contact.
- Input and output terminal blocks on opposite sides.
- Single terminal at the primary and secondary circuit (wire cross-section up to 2,5 mm² / AWG13).
- Clamping screws on primary and secondary circuits for cables.
- Driver can be secured with slot for screws.
- No load power consumption: 0,5W.
- Protezioni:
 - against overheating and short circuits;
 - against mains voltage spikes;
 - against overloads;
 - protection fuse at input.

Caratteristiche

- Alimentatore indipendente IP20, per uso interno.
- Protetto in classe II contro le scosse elettriche per contatti diretti e indiretti.
- Morsetti di entrata e uscita contrapposti.
- Singolo morsetto su primario e secondario (sezione cavo fino a 2,5 mm² / AWG13).
- Serracavo su primario e secondario per cavi.
- Fissaggio dell'alimentatore tramite asole per viti.
- Consumo senza carico: 0,5W.
- Protezioni:
 - termica e cortocircuito;
 - contro le extra-tensioni di rete;
 - contro i sovraccarichi;
 - fusibile di protezione all'ingresso.

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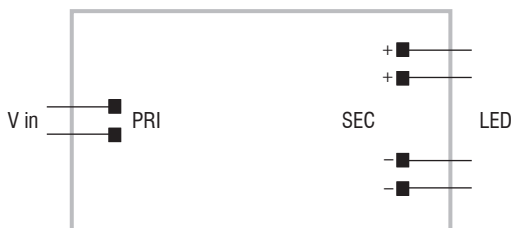
| Article Articolo | Dimensions - Dimensioni | | | | | Weight Peso | |
|---------------------|-------------------------|-----|------|----|----|--------------------|----|
| | L | L1 | W | W1 | H | | |
| LCV 30W 24V | 153 | 145 | 41,5 | 32 | 32 | gr. 125 - 4,4 oz. | 52 |
| LCV 60W 24V | 180 | 170 | 52 | 42 | 30 | gr. 320 - 10,3 oz. | 60 |
| LCV 75W 24V | 180 | 170 | 52 | 42 | 30 | gr. 320 - 10,3 oz. | 60 |
| LCV 90W 24V | 300 | 290 | 40 | 29 | 30 | gr. 375 - 13,3 oz. | 50 |
| LCV 120W 24V | 300 | 290 | 40 | 29 | 30 | gr. 390 - 13,8 oz. | 50 |
| LCV 180W 24V | 345 | 334 | 50 | 38 | 35 | gr. 665 - 23,5 oz. | 62 |

Wiring diagram - Schema di collegamento

(max. LED distance: 1 mt / 3 ft - Distanza max. LED: 1 mt / 3 ft).

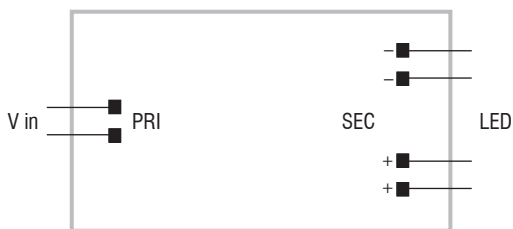


LCV 30W 24V - LCV 90W 24V - LCV 120W 24V



LCV 60W 24V - LCV 75W 24V

LED load must be distributed on both output terminal blocks.
Il carico LED deve essere distribuito su entrambi i morsetti di uscita.



LCV 180W 24V

LED load must be distributed on both output terminal blocks.
Il carico LED deve essere distribuito su entrambi i morsetti di uscita.

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