

## Direct current electronic drivers Alimentatori elettronici in corrente continua

constant  
**VOLTAGE**

**RIPPLE  
FREE**



**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% <sup>(1)</sup>

**Output current ripple**  
≤ 3% <sup>(1)</sup>

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

<sup>(1)</sup> 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 <b>SED 4.5A R57 (Z.)</b> | 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 mm<sup>2</sup> / AWG13).
- Clamping screws on primary and secondary circuits for cables.
- Driver can be secured with slot for screws.
- No load power consumption: 0,5W.
- Protections:
  - against overheating and short circuits;
  - against mains voltage spikes;
  - against overloads;
  - protection fuse at input.

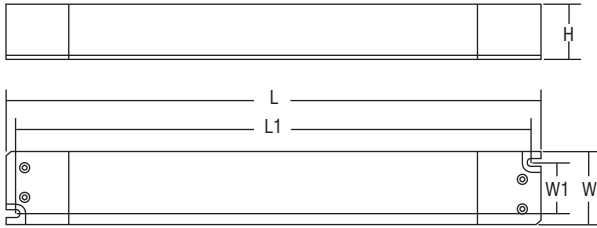
### Caratteristiche

- 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 mm<sup>2</sup> / 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.

5.2.1

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

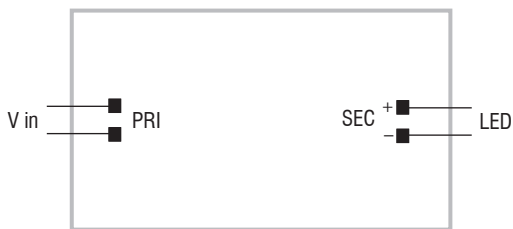
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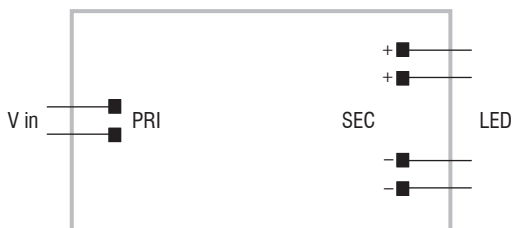
| Article<br>Articolo | Dimensions - Dimensioni |     |      |    |    | Weight<br>Peso     |    |
|---------------------|-------------------------|-----|------|----|----|--------------------|----|
|                     | L                       | L1  | W    | W1 | H  |                    |    |
| <b>LCV 30W 24V</b>  | 153                     | 145 | 41,5 | 32 | 32 | gr. 125 - 4,4 oz.  | 52 |
| <b>LCV 60W 24V</b>  | 180                     | 170 | 52   | 42 | 30 | gr. 320 - 10,3 oz. | 60 |
| <b>LCV 75W 24V</b>  | 180                     | 170 | 52   | 42 | 30 | gr. 320 - 10,3 oz. | 60 |
| <b>LCV 90W 24V</b>  | 300                     | 290 | 40   | 29 | 30 | gr. 375 - 13,3 oz. | 50 |
| <b>LCV 120W 24V</b> | 300                     | 290 | 40   | 29 | 30 | gr. 390 - 13,8 oz. | 50 |
| <b>LCV 180W 24V</b> | 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).

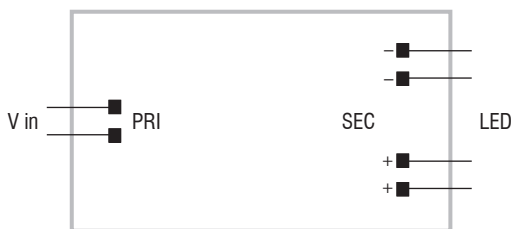


LCV 30W 24V - LCV 90W 24V - LCV 120W 24V



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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