

# SIRIO SL AD - 75 - 150

**Direct current dimmable electronic drivers**  
**Alimentatori elettronici regolabili in corrente continua**

Made in Europe 



**Rated Voltage**  
**Tensione Nominale**  
220 ÷ 240 V

**Frequency**  
**Frequenza**  
47-63 Hz

**AC Operation range**  
**Tensione di utilizzo AC**  
202 ÷ 254 V

**DC Operation range**  
**Tensione di utilizzo DC**  
DC 186 ÷ 250 V

**Power - Potenza**  
10 ÷ 150 W

**iTHD**  
 $\leq 10\%$  <sup>(1)</sup>

**Stand by power**  
 $\leq 0,5$  W

**Output current ripple**  
 $\leq 4\%$  <sup>(1)</sup>

**Standards compliance**

- EN 55015
- EN62384
- EN 61000-3-2
- EN 61347-1
- EN 61347-2-13
- EN 61547
- EN 62386
- EN 62386-101
- EN 62386-102
- EN 62386-150
- EN 62386-207
- EN 62386-250
- EN 62386-251
- EN 62386-252
- EN 62386-253

**Max. pcs for CB B16A**

75W: 31 pcs  
150W: 15 pcs

**In rush current**

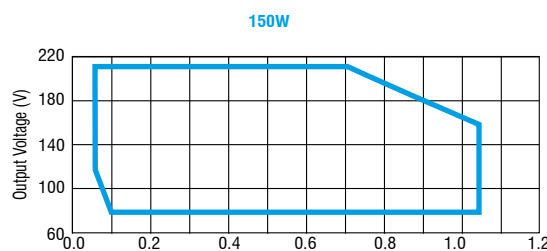
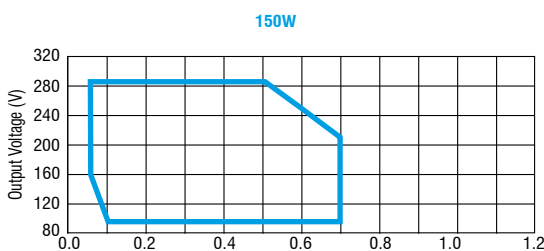
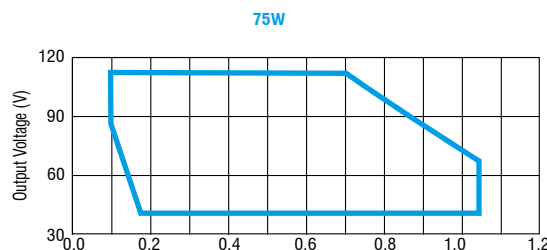
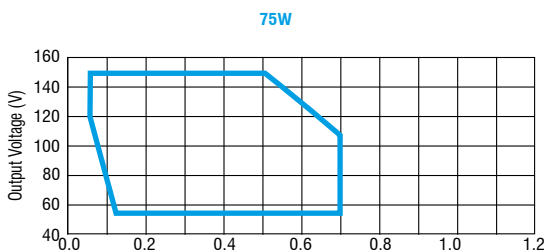
75W: 9,6A 130 $\mu$ sec  
150W: 11,2A 135 $\mu$ sec

Article Articolo	Code Codice	P out W	V out DC	I out DC	Default I out DC	U out V	ta °C	tc °C	$\lambda$ max. Power Factor <sup>(2)</sup>	$\eta$ max. Efficiency <sup>(1)</sup>
<b>SIRIO SL 75W/200-700 AD</b>	145050	10...75	50...150	53...700 mA cost.	700	200	-40...+55	80	0,98	92 %
<b>SIRIO SL 75W/300-1000 AD</b>	145052	10...75	35...108	70...1050 mA cost.	700	150	-40...+55	80	0,98	91 %
<b>SIRIO SL 150W/200-700 AD</b>	145051	18...150	90...283	53...700 mA cost.	700	350	-40...+55	85	0,98	92 %
<b>SIRIO SL 150W/300-1000 AD</b>	145053	21...150	70...214	70...1050 mA cost.	700	260	-40...+55	85	0,98	92 %

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

**Light output level in DC operation: Programmable 10-60% (factory default =15% EOfi=0.13)**

**Livello di emissione luminosa in funzionamento DC: Programmabile 10-60% (impostazione di fabbrica =15% EOfi=0.13)**



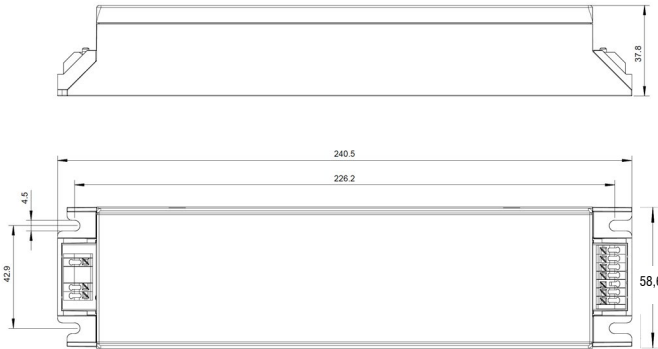
**Features**

- <sup>(2)</sup> Performance graphs (see datasheet).
- Compliant with Zhaga book 18.
- Auxiliary output 24 V max. 60 mA.
- Programmable multipower driver.
- Driver for built-in use.
- It can be used for lighting equipment in protection class I and II.
- Active Power Factor Corrector.
- Analogical input for thermal sensor connection.
- Current regulation  $\pm 3\%$  including temperature variations.
- Input and output terminal blocks on same side (wire cross-section 0,5...1,5 mm<sup>2</sup>).
- Protections:
  - against overheating and short circuits;
  - against mains voltage spikes;
  - against overloads.
- Thermal protection = C.5.a.

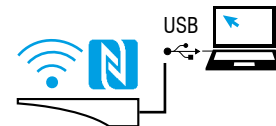
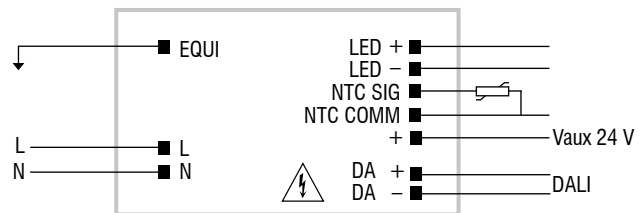
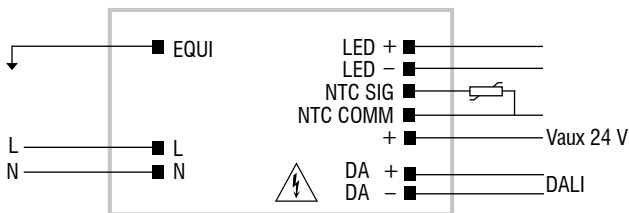
**Caratteristiche**

- <sup>(2)</sup> Grafici di performance (vedi datasheet).
- Conforme con Zhaga book 18.
- Uscita ausiliare 24 V max. 60 mA.
- Alimentatore multipotenza programmabile.
- Alimentatore da incorporare.
- Utilizzabile per apparecchi di illuminazione in classe di protezione I e II.
- PFC attivo.
- Entrata analogica per sensore termico.
- Corrente regolata  $\pm 3\%$  incluse variazioni di temperatura.
- Morsetti di entrata e uscita sullo stesso lato (sezione cavo fino a 0,5...1,5 mm<sup>2</sup>).
- Protezioni:
  - termica e cortocircuito;
  - contro le extra-tensioni di rete;
  - contro i sovraccarichi.
- Protezione termica = C.5.a.

Street lighting and high power drivers - Full programmable  
Alimentatori per illuminazione stradale e alta potenza - Full programmabile



**Wiring diagrams - Schemi di collegamento** (Max. LED distance: 2m - Massima distanza LED: 2m)



WIRELESS PROGRAMMING diagram  
Collegamento per PROGRAMMAZIONE WIRELESS

Article - Articolo	Code - Codice
NFC-A PROGRAMMING TOOL FEIG ISC.PRH101	127095A
NFC-B PROGRAMMING TOOL FEIG CPR30-USB	127101
DALI-MO PROGRAMMING TOOL	127105
<a href="#">LINK TO DOWNLOAD PROGRAMMING SOFTWARE</a> <a href="#">LINK PER SCARICARE SOFTWARE DI PROGRAMMAZIONE</a>	

**Operation Mode**

- **WIRELESS PROGRAMMING** through **NFC** antenna.
- The main available features are:
  - **MIDNIGHT**: automatic dimming according to programmed parameters;
  - **CURRENT**: output current according to programmed parameters;
  - **NTC**: thermal protection and external NTC according to programmed parameters;
  - **DC EMERGENCY**.
- Light regulation 10 - 100 %.
- Dimming method is linear.

**Modalità di funzionamento**

- La **PROGRAMMAZIONE WIRELESS** avviene attraverso l'antenna **NFC**.
- Le principali caratteristiche disponibili sono:
  - **MIDNIGHT**: regolazione automatica secondo i parametri programmati;
  - **CORRENTE**: corrente di uscita secondo i parametri programmati;
  - **NTC**: protezione termica e NTC esterna secondo i parametri programmati;
  - **DC EMERGENCY**.
- Regolazione della luminosità 10 - 100 %.
- La dimmerazione è di tipo lineare.

The data shown are preliminary and may change - I dati riportati sono preliminari e potrebbero subire variazioni