

# SIRIO SL 1-10 V - 40 - 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

**Power - Potenza**  
5 ÷ 150 W

**iTHD**  
≤ 10% (1)

**Output current ripple**  
≤ 4% (1)

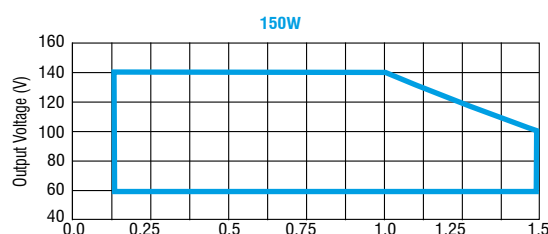
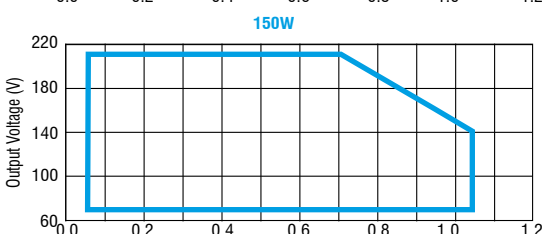
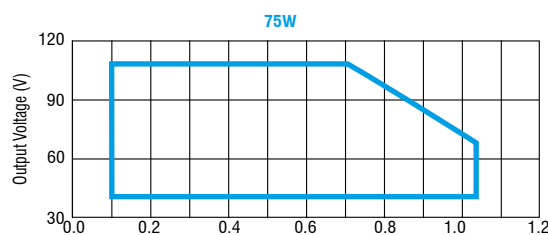
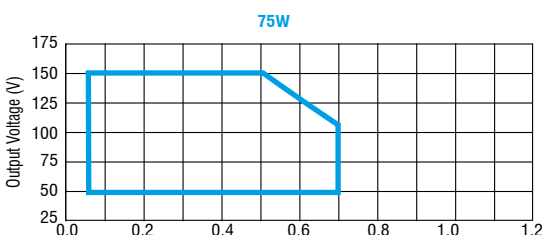
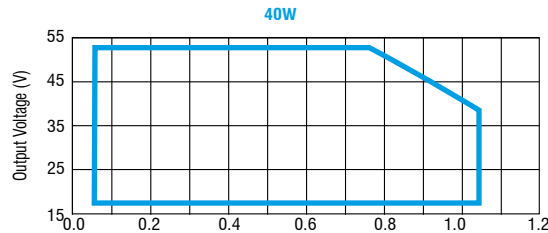
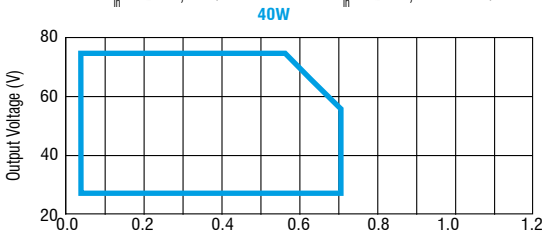
**Standards compliance**  
EN 55015  
EN 61000-3-2  
EN 61000-3-3  
EN 61347-1  
EN 61347-2-13  
EN 61547

**Max. pcs for CB B16A**  
40W: 25 pcs  
75W: 11 pcs  
150W: 8 pcs

**In rush current**  
40W: 16A 240μsec  
75W: 46A 250μsec  
150W: 53A 300μsec

Article Articolo	Code Codice	P out W	V out DC	I out DC	Default I out DC	U out V	ta °C	tc °C	λ max. Power Factor <sup>(5)</sup>	η max. Efficiency <sup>(1)</sup>
<b>SIRIO SL 40W/200-700 1-10V</b> (3)	145080	5...40	23...77	50...700 mA cost.	700	90	-40...+55	80	0,95	89 %
<b>SIRIO SL 75W/200-700 1-10V</b>	145081	10...75	50...150	70...700 mA cost.	700	190	-40...+55	85	0,95	92 %
<b>SIRIO SL 40W/300-1000 1-10V</b> (4)	145082	6...40	20...54	70...1050 mA cost.	700	60	-40...+55	80	0,95	88 %
<b>SIRIO SL 75W/300-1000 1-10V</b>	145083	10...75	35...108	100...1050 mA cost.	700	140	-40...+55	85	0,95	91 %
<b>SIRIO SL 150W/300-1000 1-10V</b>	145084	21...165	70...214	100...1050 mA cost.	700	260	-40...+55	90	0,95	93 %
<b>SIRIO SL 150W/500-1500 1-10V</b>	145085	25...150	50...142	150...1500 mA cost.	1050	200	-40...+55	90	0,95	92 %

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



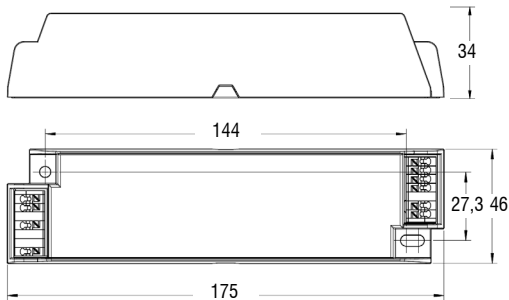
- Features**
- (3) Performance graphs (see datasheet).
  - Ultra high input spikes protection up to 10kV.
  - 0/1-10V interface insulated from secondary side.
  - Programmable multipower driver.
  - Driver for built-in use.
  - It can be used for lighting equipment in protection class I and II.
  - Active Power Factor Corrector.
  - Analogical input for thermal sensor connection.
  - Current regulation ± 5 % 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**
- (3) Grafici di performance (vedi datasheet).
  - Elevata protezione contro spike di rete fino a 10kV.
  - Interfaccia 0/1-10V isolata dal secondario.
  - 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 ± 5 % 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.

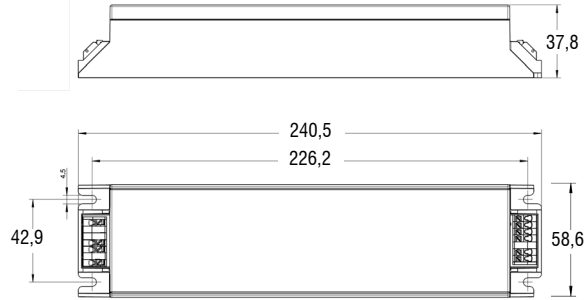
Street lighting and high power drivers - Full programmable  
Alimentatori per illuminazione stradale e alta potenza - Full programmabile



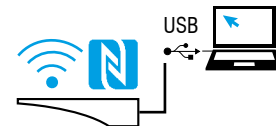
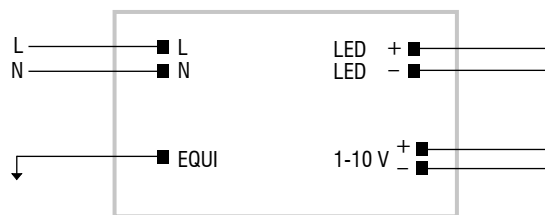
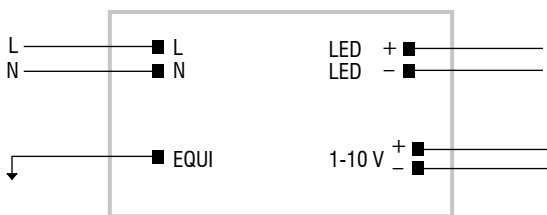
40W



75W / 150W



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
<a href="#">LINK TO DOWNLOAD PROGRAMMING SOFTWARE</a> <a href="#">LINK PER SCARICARE SOFTWARE DI PROGRAMMAZIONE</a>	

### Operation Mode

- **WIRELESS PROGRAMMING** through **NFC** antenna.
- Compatible with standard DALI interfaces.
- The main available features are:
  - **MIDNIGHT**: automatic dimming according to programmed parameters;
  - **CLO**: Constant Light Output;
  - **CURRENT**: output current according to programmed parameters;
- Light regulation 10 - 100 %.
- Dimming method is linear.

### Modalità di funzionamento

- La **PROGRAMMAZIONE WIRELESS** avviene attraverso l'antenna **NFC**.
- Compatibilità con interfacce DALI standard.
- Le principali caratteristiche disponibili sono:
  - **MIDNIGHT**: regolazione automatica secondo i parametri programmati;
  - **CLO**: Constant Light Output;
  - **CORRENTE**: corrente di uscita secondo i parametri programmati;
- 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