Street lighting and high power drivers

Alimentatori per illuminazione stradale e alta potenza

SIRIO SQ 1-10 V - 22 - 40 - 75 - 110 - 165

Direct current dimmable electronic drivers
Alimentatori elettronici regolabili in corrente continua

Made in Europe

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	η max. Efficiency(1)
SIRIO SQ 22W/200-700 1-10V (2)	145068	3...22	16...48	70...700 mA cost.	700	70	-40...+55	85	0,95	> 87,5 %
SIRIO SQ 40W/200-700 1-10V (2)	145069	5...40	25...77	70...700 mA cost.	700	100	-40...+55	85	0,95	> 90 %
SIRIO SQ 75W/200-700 1-10V	145070	10...75	50...150	70...700 mA cost.	700	220	-40...+55	80	0,95	> 91 %
SIRIO SQ 110W/200-700 1-10V	145071	14...110	70...220	70...700 mA cost.	700	300	-40...+55	90	0,95	> 91,5 %
SIRIO SQ 165W/200-700 1-10V (3)	145072	20...165	100...300	70...700 mA cost.	700	330	-40...+55	85	0,95	> 93 %

(1) Referred to V_{in} = 230 V, 100% load - Riferito a V_{in} = 230 V, carico 100%
(3) **Light output level in DC operation: Factory default 60% EOFi=0.55**
Livello di emissione luminosa in funzionamento DC: Impostazioni di fabbrica 60% EOFi=0.55

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 (3)

Power - Potenza
3 ÷ 165 W

iTHD
≤ 10% (1)

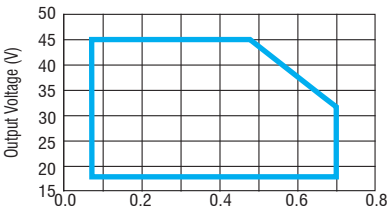
Output current ripple
≤ 4% (1)

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

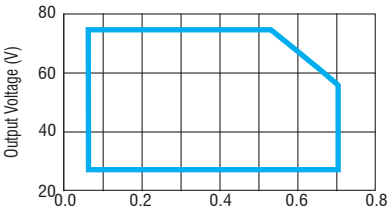
Max. pcs for CB B16A
22W: 48 pcs
40W: 32 pcs
75W: 10 pcs
110W: 10 pcs
165W: 7 pcs

In rush current
22W: 11A 220µsec
40W: 18,7A 195µsec
75W: 43A 270µsec
110W: 45A 270µsec
165W: 41A 440µsec

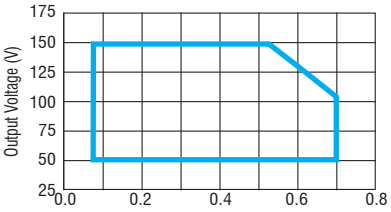
22W



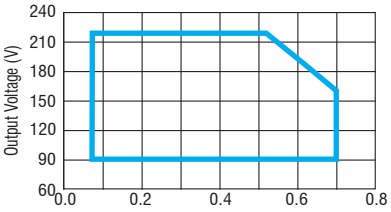
40W



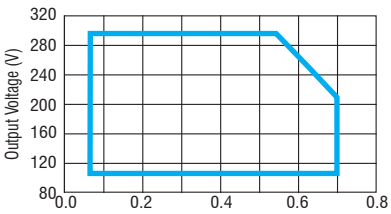
75W



110W



165W



Features
- **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.
- Current regulation ±5 % including temperature variations.
- Input and output terminal blocks on same side (wire cross-section 0,5...1,5 mm²).
- Protections:
  - against overheating and short circuits;
  - against mains voltage spikes;
  - against overloads.
- Thermal protection = C.5.e.

Caratteristiche
- **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.
- Corrente regolata ±5 % incluse variazioni di temperatura.
- Morsetti di entrata e uscita sullo stesso lato (sezione cavo fino a 0,5...1,5 mm²).
- Protezioni:
  - termica e cortocircuito;
  - contro le extra-tensioni di rete;
  - contro i sovraccarichi.
- Protezione termica = C.5.e.

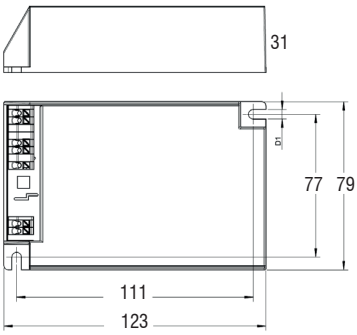
SIRIO SQ 1-10 V - 22 - 40 - 75 - 110 - 165

Direct current dimmable electronic drivers
Alimentatori elettronici regolabili in corrente continua

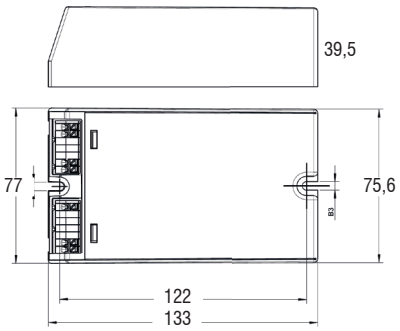
Made in Europe

BUILT-IN | SCREW FIXING

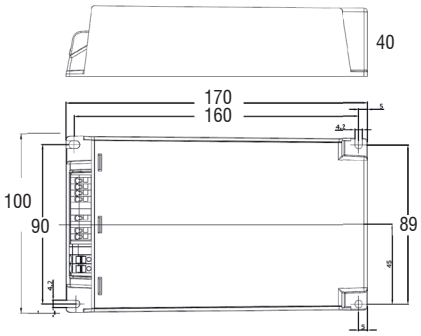
22W / 40W



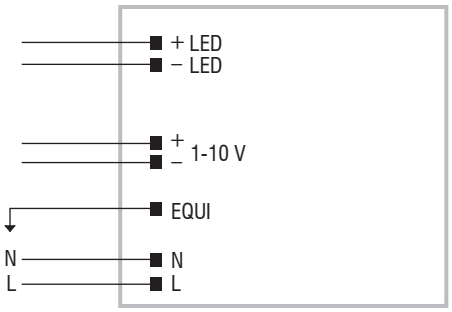
75W / 110W

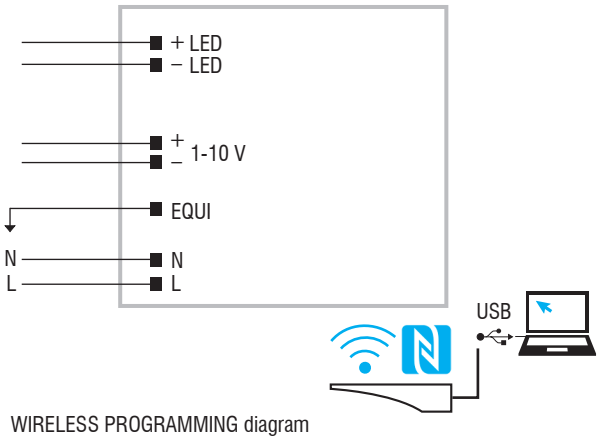


165W



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
LINK TO DOWNLOAD PROGRAMMING SOFTWARE LINK PER SCARICARE SOFTWARE DI PROGRAMMAZIONE	

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

SIRIO SQ 1-10 V - 22 - 40 - 75 - 110 - 165

Direct current dimmable electronic drivers
Alimentatori elettronici regolabili in corrente continua

Made in Europe

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	η max. Efficiency(1)
SIRIO SQ 22W/300-1000 1-10V (2)	145073	3...22	8...32	100...1050 mA cost.	700	50	-40...+55	85	0,95	> 87%
SIRIO SQ 40W/300-1000 1-10V (2)	145074	6...40	20...54	100...1050 mA cost.	700	60	-40...+55	85	0,95	> 90%
SIRIO SQ 75W/300-1000 1-10V	145075	10...75	35...108	100...1050 mA cost.	700	150	-40...+55	80	0,95	> 91%
SIRIO SQ 110W/300-1000 1-10V	145077	15...110	50...160	100...1050 mA cost.	700	230	-40...+55	85	0,95	> 91,5%
SIRIO SQ 165W/300-1000 1-10V (3)	145078	24...165	80...235	100...1050 mA cost.	700	300	-40...+55	85	0,95	> 92%

(1) Referred to V_{in} = 230 V, 100% load - Riferito a V_{in} = 230 V, carico 100%

(3) **Light output level in DC operation: Factory default 60% EOFi=0.55**
Livello di emissione luminosa in funzionamento DC: Impostazioni di fabbrica 60% EOFi=0.55

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 (3)

Power - Potenza
3 ÷ 165 W

iTHD
≤ 10% (1)

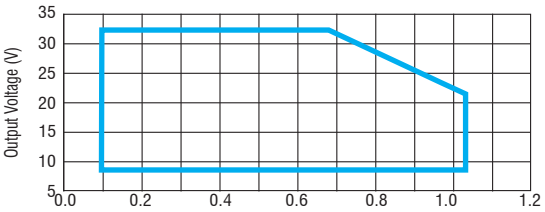
Output current ripple
≤ 4% (1)

Standards compliance
EN 55015
EN62384
EN 61000-3-2
EN 61347-1
EN 61347-2-13
EN 61547

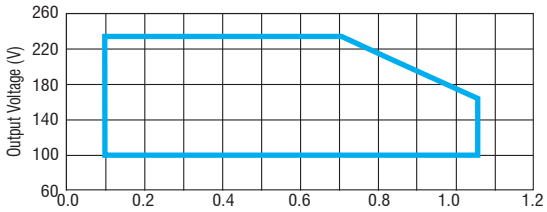
Max. pcs for CB B16A
22W: 48 pcs
40W: 32 pcs
75W: 10 pcs
110W: 10 pcs
165W: 7 pcs

In rush current
22W: 11,3A 220μsec
40W: 18,7A 195μsec
75W: 43A 270μsec
110W: 45A 270μsec
165W: 41A 440μsec

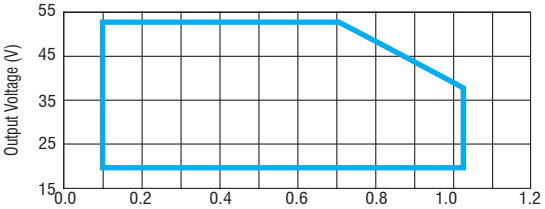
22W



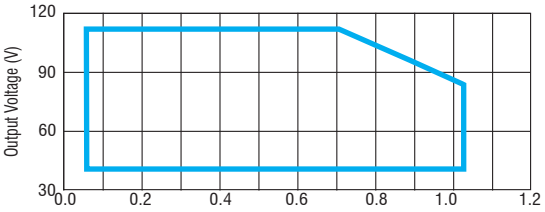
165W



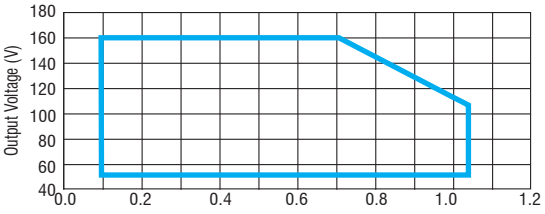
40W



75W



110W



Features
- **Ultra high input spikes protection up to 10kV.**
- 0/1-10V interface insulatetd 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.
- Current regulation ±5 % including temperature variations.
- Input and output terminal blocks on same side (wire cross-section 0,5...1,5 mm²).
- Protections:
  - against overheating and short circuits;
  - against mains voltage spikes;
  - against overloads.
- Thermal protection = C.5.e.

Caratteristiche
- **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.
- Corrente regolata ±5 % incluse variazioni di temperatura.
- Morsetti di entrata e uscita sullo stesso lato (sezione cavo fino a 0,5...1,5 mm²).
- Protezioni:
  - termica e cortocircuito;
  - contro le extra-tensioni di rete;
  - contro i sovraccarichi.
- Protezione termica = C.5.e.

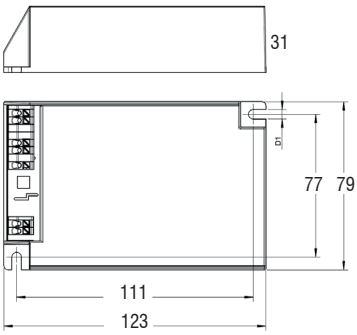
SIRIO SQ 1-10 V - 22 - 40 - 75 - 110 - 165

Direct current dimmable electronic drivers
Alimentatori elettronici regolabili in corrente continua

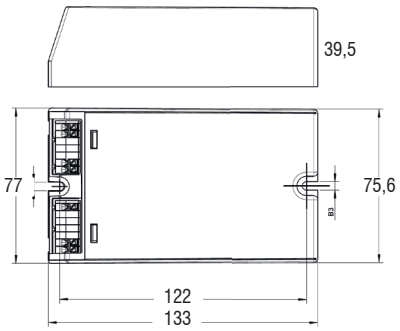
Made in Europe

BUILT-IN SCREW FIXING

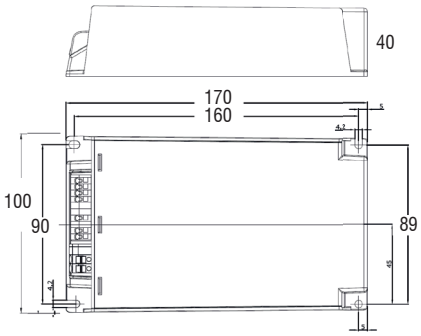
22W / 40W



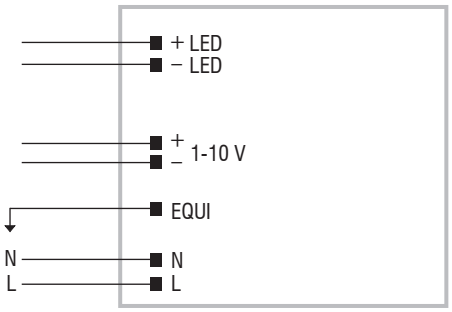
75W / 110W

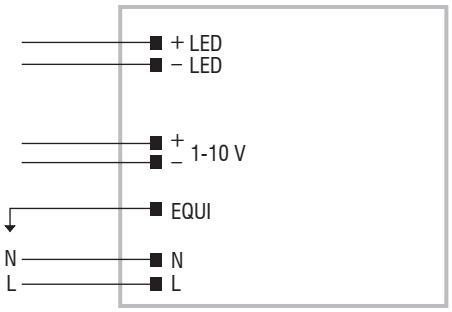


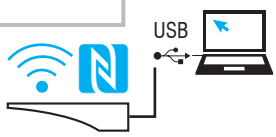
165W



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
LINK TO DOWNLOAD PROGRAMMING SOFTWARE LINK PER SCARICARE SOFTWARE DI PROGRAMMAZIONE	

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

SIRIO SQ 1-10 V - 75 - 165

Direct current dimmable electronic drivers
Alimentatori elettronici regolabili in corrente continua

4.1

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

Rated Voltage
Tensione Nominale
220 ÷ 240 V

Frequency
Frequenza
50-60 Hz

AC Operation range
Tensione di utilizzo AC
80 ÷ 264 V

DC Operation range
Tensione di utilizzo DC
DC 186 ÷ 250 V (3)

Power - Potenza
25 ÷ 165 W

iTHD
≤ 10% (1)

Output current ripple
≤ 4% (1)

Standards compliance
EN 55015
EN62384
EN 61000-3-2
EN 61347-1
EN 61347-2-13
EN 61547

Max. pcs for CB B16A
75W: 30 pcs
165W: 14 pcs

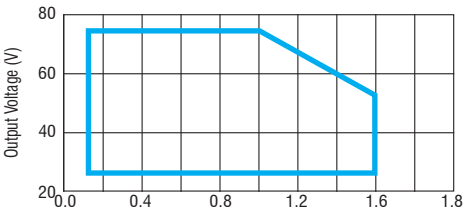
In rush current
75W: 12A 100μsec
165W: 11,5A 100μsec

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	η max. Efficiency(1)
SIRIO SQ 75W/500-1500 1-10V (2)	145076	12...75	25...75	150...1500 mA cost.	1050	120	-40...+55	80	0,95	> 90%
SIRIO SQ 165W/500-1500 1-10V (3)	145079	27...165	54...157	150...1500 mA cost.	1050	200	-40...+55	85	0,95	> 93%

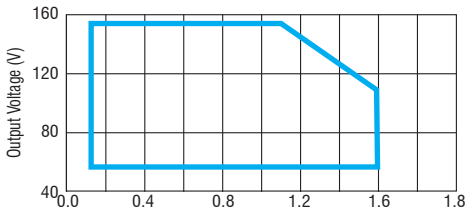
(1) Referred to V_{in} = 230 V, 100% load - Riferito a V_{in} = 230 V, carico 100%

(3) **Light output level in DC operation: Factory default 60% EOFi=0.55**
Livello di emissione luminosa in funzionamento DC: Impostazioni di fabbrica 60% EOFi=0.55

75W



165W



Features
- **Ultra high input spikes protection up to 10kV.**
- 0/1-10V interface insulatetd 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 mm²).
- Protections:
  - against overheating and short circuits;
  - against mains voltage spikes;
  - against overloads.
- Thermal protection = C.5.e.

Caratteristiche
- **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 mm²).
- Protezioni:
  - termica e cortocircuito;
  - contro le extra-tensioni di rete;
  - contro i sovraccarichi.
- Protezione termica = C.5.e.

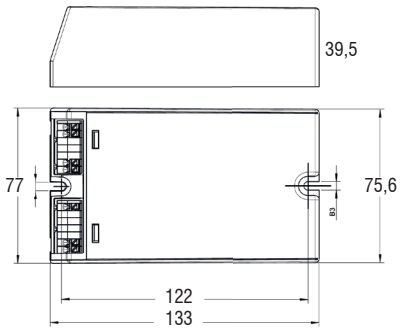
SIRIO SQ 1-10 V - 75 - 165

Direct current dimmable electronic drivers
Alimentatori elettronici regolabili in corrente continua

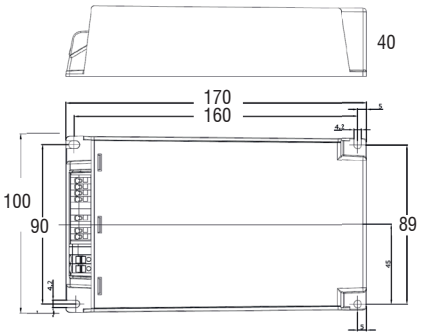
Made in Europe

BUILT-IN SCREW FIXING

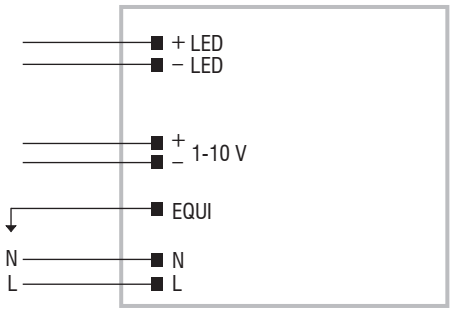
75W

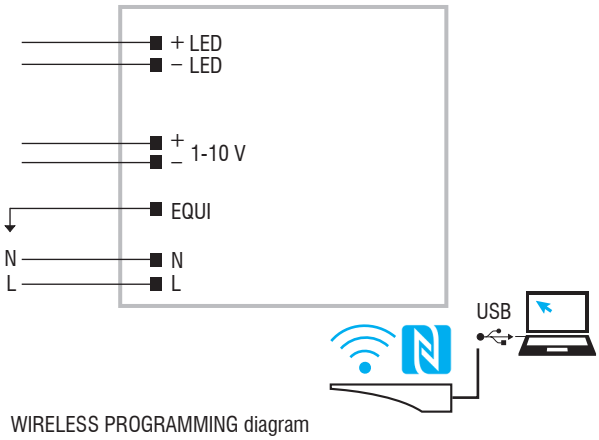


165W



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
LINK TO DOWNLOAD PROGRAMMING SOFTWARE LINK PER SCARICARE SOFTWARE DI PROGRAMMAZIONE	

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

SIRIO SQ 4PN - 22 - 40 - 75 - 110

Direct current dimmable electronic drivers
Alimentatori elettronici regolabili in corrente continua

Made in Europe

4PN N | DALI 2 | % | BILEVEL | MIDNIGHT | AMP DIM | CLO | constant CURRENT

EAC | ENEC 05 | CCC | 120 | EL | SELV 120V (2)

RIPPLE FREE | Pst LM ≤ 1 SVM ≤ 0,4 | AM DIMMING DIM-TO-WARM

ENERGY MONITORING LED | 6kV DIFF. 10kV COMM. | ACTIVE PFC | AOC | NTC INPUT | SEC. SWITCH | SAFETY PROTECTIONS

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	η max. Efficiency(1)
SIRIO SQ 22W/200-700 4PN (2)	145054	3...22	16...48	53...700 mA cost.	700	70	-40...+55	85	0,95	> 87 %
SIRIO SQ 40W/200-700 4PN (2)	145055	5...40	25...77	53...700 mA cost.	700	100	-40...+55	85	0,95	> 90 %
SIRIO SQ 75W/200-700 4PN (3)	145056	10...75	50...150	50...700 mA cost.	700	220	-40...+55	80	0,95	> 91,5 %
SIRIO SQ 75W/500-1500 4PN (2)(3)	145061	12...75	25...71	100...1500 mA cost.	1050	120	-40...+55	80	0,95	> 90,5 %
SIRIO SQ 110W/200-700 4PN (3)	145057	14...110	70...220	50...700 mA cost.	700	300	-40...+55	85	0,95	> 92,5 %

(1) Referred to V_{in} = 230 V, 100% load - Riferito a V_{in} = 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)

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
3 ÷ 110 W

iTHD
≤ 10% (1)

Stand by power
≤ 0,5 W

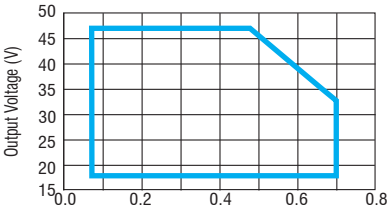
Output current ripple
≤ 4% (1)

Standards compliance
EN 55015
EN 61000-3-2
EN 61000-3-3
EN 61347-1
EN 61347-2-13
EN 61547
EN 62386-101
EN 62386-102
EN 62386-207
EN 62386-251 (3)
EN 62386-252 (3)
EN 62386-253 (3)

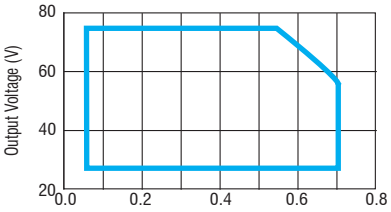
Max. pcs for CB B16A
22W: 48 pcs
40W: 30 pcs
75W: 10 pcs
110W: 10 pcs

In rush current
22W: 12A 270μsec
40W: 18A 280μsec
75W: 43A 260μsec
110W: 47A 250μsec

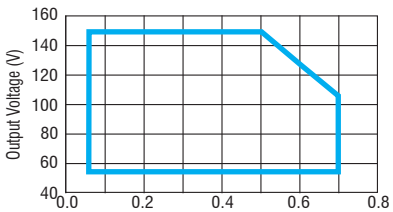
22W



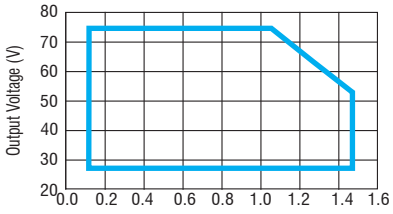
40W



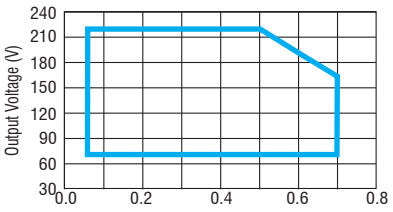
75W



75W



110W



Features
- **Ultra high input spikes protection up to 10kV.**
- 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 ±3 % including temperature variations.
- Input and output terminal blocks on same side (wire cross-section 0,5...1,5 mm²).
- Protections:
  - against overheating and short circuits;
  - against mains voltage spikes;
  - against overloads.
- Thermal protection = C.5.e.

Caratteristiche
- **Elevata protezione contro spike di rete fino a 10kV.**
- 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 ±3 % incluse variazioni di temperatura.
- Morsetti di entrata e uscita sullo stesso lato (sezione cavo fino a 0,5...1,5 mm²).
- Protezioni:
  - termica e cortocircuito;
  - contro le extra-tensioni di rete;
  - contro i sovraccarichi.
- Protezione termica = C.5.e.

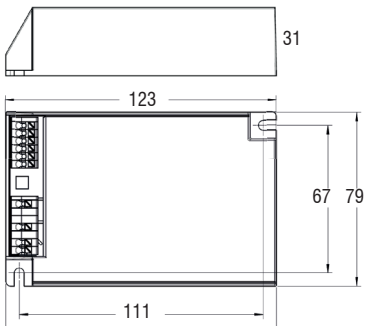
SIRIO SQ 4PN - 22 - 40 - 75 - 110

Direct current dimmable electronic drivers
Alimentatori elettronici regolabili in corrente continua

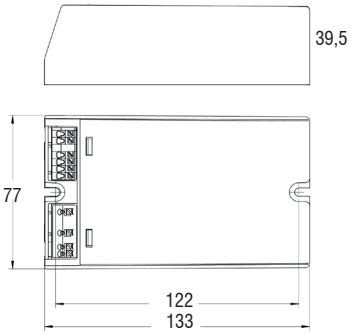
Made in Europe

BUILT-IN | SCREW FIXING

22W / 40W



75W / 110W



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

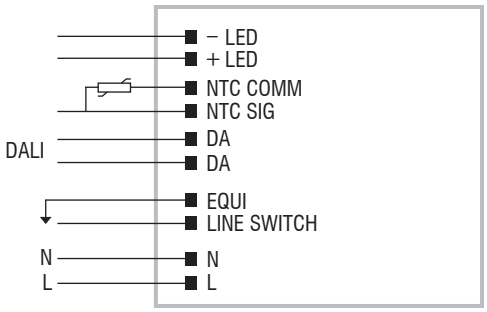


Diagram for 22 W / 40 W

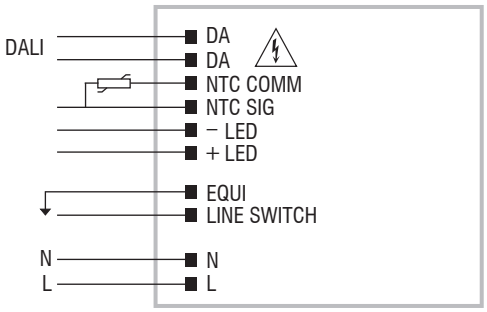
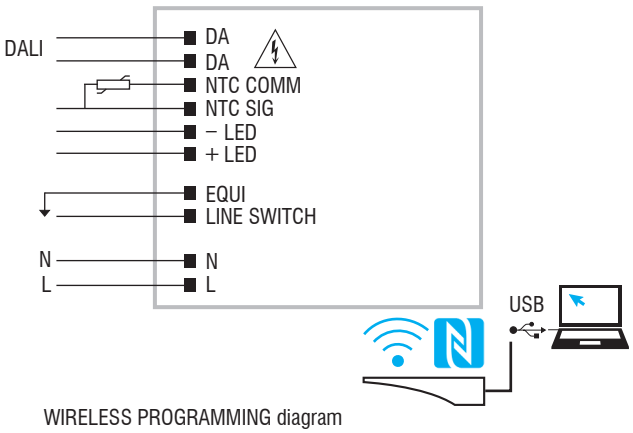


Diagram for 75 W / 110 W



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
LINK TO DOWNLOAD PROGRAMMING SOFTWARE LINK PER SCARICARE SOFTWARE DI PROGRAMMAZIONE	

Operation Mode
- **4PN** devices allow the user to set different parameters.
- **WIRELESS PROGRAMMING** through **NFC** antenna.
- Compatible with standard DALI interfaces.
- The main available features are:
  - **DALI**: dimming through insulated port;
  - **MIDNIGHT**: automatic dimming according to programmed parameters;
  - **AMP DIM**: dimming according to mains voltage reduction;
  - **CLO**: Constant Light Output;
  - **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
- I dispositivi **4PN** permettono all'utente di impostare diversi parametri.
- La **PROGRAMMAZIONE WIRELESS** avviene attraverso l'antenna **NFC**.
- Compatibilità con interfacce DALI standard.
- Le principali caratteristiche disponibili sono:
  - **DALI**: regolazione attraverso la porta isolata;
  - **MIDNIGHT**: regolazione automatica secondo i parametri programmati;
  - **AMP DIM**: regolazione proporzionata alla riduzione della tensione di rete;
  - **CLO**: Constant Light Output;
  - **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

SIRIO SQ 4PN - 22 - 40 - 75 - 110 - 165

Direct current dimmable electronic drivers
Alimentatori elettronici regolabili in corrente continua

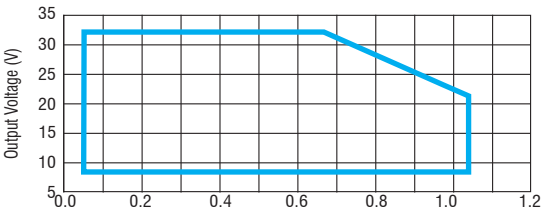
Made in Europe

(1) Referred to V_{in} = 230 V, 100% load
Riferito a V_{in} = 230 V, carico 100%

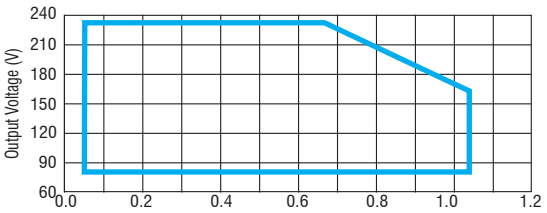
Article Articolo	Code Codice	P out W	V out DC	I out DC	Default I out DC	U out V	ta °C	tc °C	λ max. Power Factor	η max. Efficiency(1)
SIRIO SQ 22W/300-1000 4PN (2)	145058	3...22	8...32	70...1050 mA cost.	700	50	-40...+55	85	0,95	> 85 %
SIRIO SQ 40W/300-1000 4PN (2)	145059	6...40	20...54	70...1050 mA cost.	700	60	-40...+55	85	0,95	> 88 %
SIRIO SQ 75W/300-1000 4PN (3)	145060	10...75	35...108	70...1050 mA cost.	700	150	-40...+55	80	0,95	> 91,5 %
SIRIO SQ 110W/300-1000 4PN (3)	145062	15...110	50...160	70...1050 mA cost.	700	230	-40...+55	85	0,95	> 92,5 %
SIRIO SQ 165W/300-1000 4PN (3)	145063	24...165	80...235	70...1050 mA cost.	700	280	-40...+55	90	0,95	> 93 %

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)

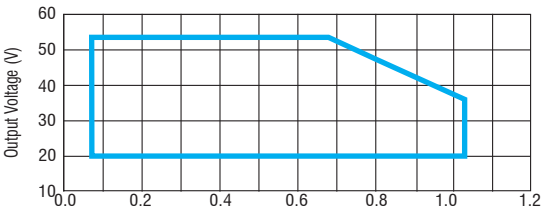
22W



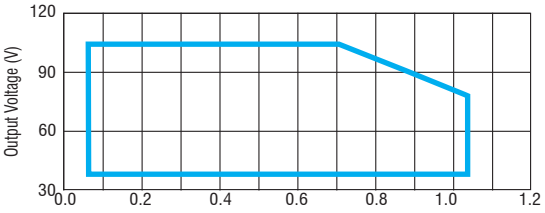
165W



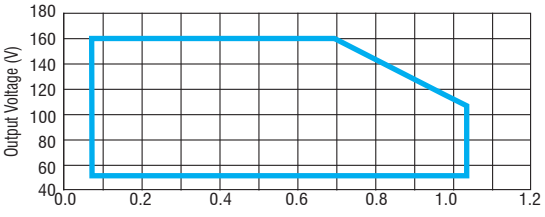
40W



75W



110W



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
3 ÷ 165 W

iTHD
≤ 10% (1)

Stand by power
≤ 0,5 W

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
EN 62386-101
EN 62386-102
EN 62386-207
EN 62386-251 (3)
EN 62386-252 (3)
EN 62386-253 (3)

Max. pcs for CB B16A
22W: 48 pcs
40W: 30 pcs
75W: 10 pcs
110W: 10 pcs
165W: 9 pcs

In rush current
22W: 12A 270μsec
40W: 18A 280μsec
75W: 43A 260μsec
110W: 47A 250μsec
165W: 77A 150μsec

Features
- **Ultra high input spikes protection up to 10kV.**
- 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 ±3 % (±5 % only for 145063) including temperature variations.
- Input and output terminal blocks on same side (wire cross-section 0,5...1,5 mm²).
- Protections:
  - against overheating and short circuits;
  - against mains voltage spikes;
  - against overloads.
- Thermal protection = C.5.e.

Caratteristiche
- **Elevata protezione contro spike di rete fino a 10kV.**
- 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 ±3 % (±5 % solo per 145063) incluse variazioni di temperatura.
- Morsetti di entrata e uscita sullo stesso lato (sezione cavo fino a 0,5...1,5 mm²).
- Protezioni:
  - termica e cortocircuito;
  - contro le extra-tensioni di rete;
  - contro i sovraccarichi.
- Protezione termica = C.5.e.

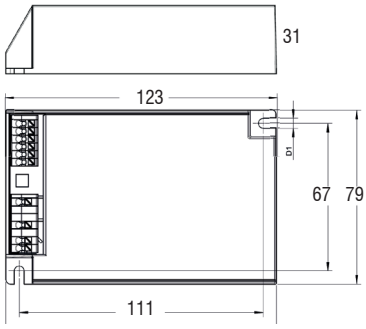
SIRIO SQ 4PN - 22 - 40 - 75 - 110 - 165

Direct current dimmable electronic drivers
Alimentatori elettronici regolabili in corrente continua

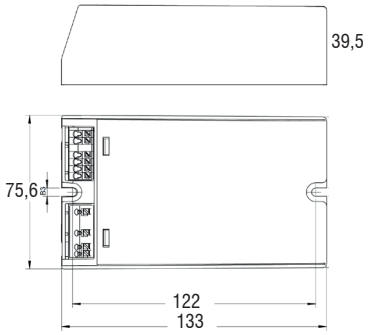
Made in Europe

BUILT-IN | SCREW FIXING

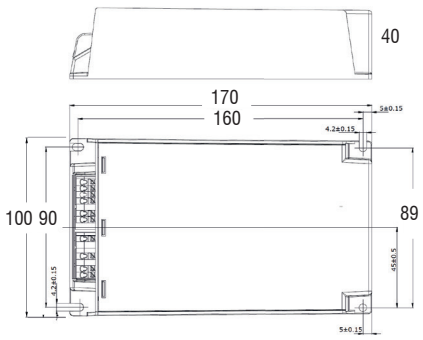
22W / 40W



75W / 110W



165W



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

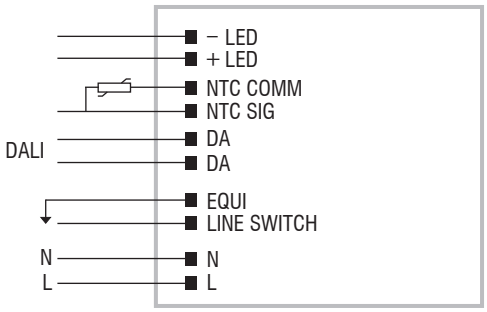


Diagram for 22 W / 40 W / 165 W

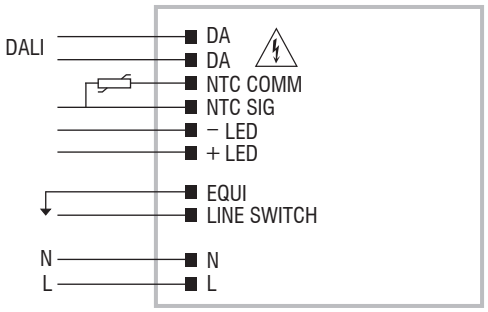
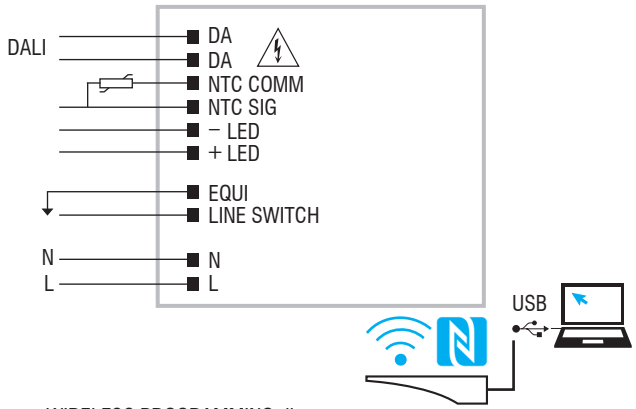


Diagram for 75 W / 110 W



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
LINK TO DOWNLOAD PROGRAMMING SOFTWARE LINK PER SCARICARE SOFTWARE DI PROGRAMMAZIONE	

Operation Mode
- **4PN** devices allow the user to set different parameters.
- **WIRELESS PROGRAMMING** through **NFC** antenna.
- Compatible with standard DALI interfaces.
- The main available features are:
  - **DALI**: dimming through insulated port;
  - **MIDNIGHT**: automatic dimming according to programmed parameters;
  - **AMP DIM**: dimming according to mains voltage reduction;
  - **CLO**: Constant Light Output;
  - **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
- I dispositivi **4PN** permettono all'utente di impostare diversi parametri.
- La **PROGRAMMAZIONE WIRELESS** avviene attraverso l'antenna **NFC**.
- Compatibilità con interfacce DALI standard.
- Le principali caratteristiche disponibili sono:
  - **DALI**: regolazione attraverso la porta isolata;
  - **MIDNIGHT**: regolazione automatica secondo i parametri programmati;
  - **AMP DIM**: regolazione proporzionata alla riduzione della tensione di rete;
  - **CLO**: Constant Light Output;
  - **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

SIRIO SQ AD - 22 - 40 - 75 - 110 - 165

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
DC 220 ÷ 240 V (3)

Power - Potenza
3 ÷ 165 W

iTHD
≤ 10% (1)

Stand by power
≤ 0,5 W

Output current ripple
≤ 4% (1)
≤ 6,5% (6)

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
22W: 23 pcs
40W: 21 pcs
75W: 30 pcs
110W: 21 pcs
165W: 14 pcs

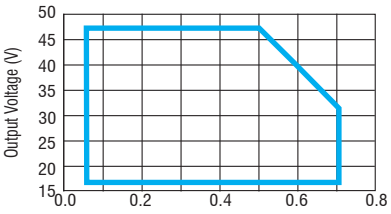
In rush current
22W: 18A 320μsec
40W: 21A 300μsec
75W: 12A 100μsec
110W: 12A 100μsec
165W: 11,5A 100μsec

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	η max. Efficiency(1)
SIRIO SQ 22W/200-700 AD (2)(4)	145040	3...22	16...48	53...700 mA cost	700	70	-40...+55	85	0,95	> 85 %
SIRIO SQ 40W/200-700 AD (2)(4)	145041	5...40	25...77	53...700 mA cost	700	100	-40...+55	85	0,95	> 89 %
SIRIO SQ 75W/200-700 AD (5)	145042	10...75	50...150	53...700 mA cost	700	200	-40...+55	90	0,95	> 92 %
SIRIO SQ 110W/200-700 AD (5)	145043	15...110	70...220	53...700 mA cost	700	270	-40...+55	90	0,95	> 92,5 %
SIRIO SQ 165W/200-700 AD (3)(5)(6)	145044	20...165	100...300	55...700 mA cost	700	350	-40...+55	90	0,95	> 92,5 %

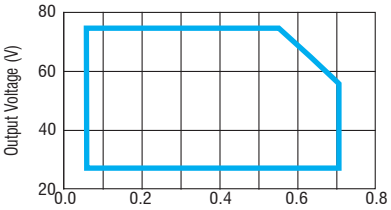
(1) Referred to V_{in} = 230 V, 100% load - Riferito a V_{in} = 230 V, carico 100%

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)

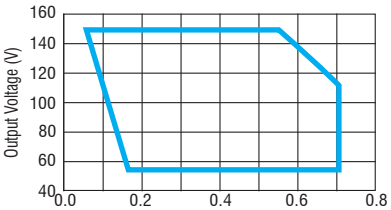
22W



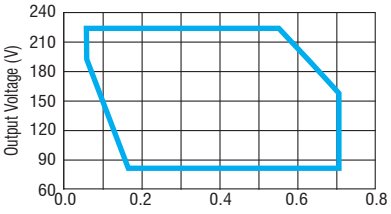
40W



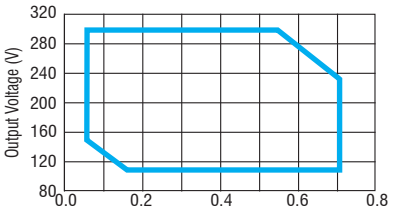
75W



110W



165W



Features
- Compliant with Zhaga book 18.
- Auxiliary output 24 V max. 125 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 ±5 % including temperature variations.
- Input and output terminal blocks on same side (wire cross-section 0,5...1,5 mm²).
- Protections:
  - against overheating and short circuits;
  - against mains voltage spikes;
  - against overloads.
- Thermal protection = C.5.e.

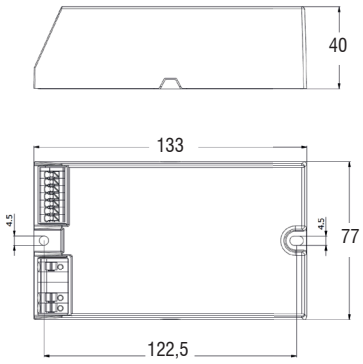
Caratteristiche
- Conforme con Zhaga book 18.
- Uscita ausiliare 24 V max. 125 mA.
- Alimentatore multipotenza programmabile.
- Alimentatore da incorporare.
- Utilizzabile per apparecchi di illuminazione in classe di protezione I e II.
- PFC attivo.
- Entrata analogica per sensore termico.
- Corrente regolata ±5 % incluse variazioni di temperatura.
- Morsetti di entrata e uscita sullo stesso lato (sezione cavo fino a 0,5...1,5 mm²).
- Protezioni:
  - termica e cortocircuito;
  - contro le extra-tensioni di rete;
  - contro i sovraccarichi.
- Protezione termica = C.5.e.

Direct current dimmable electronic drivers
Alimentatori elettronici regolabili in corrente continua

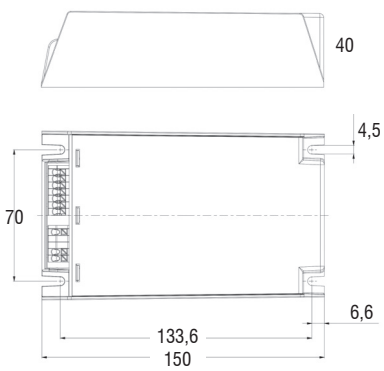
Made in Europe

BUILT-IN | SCREW FIXING

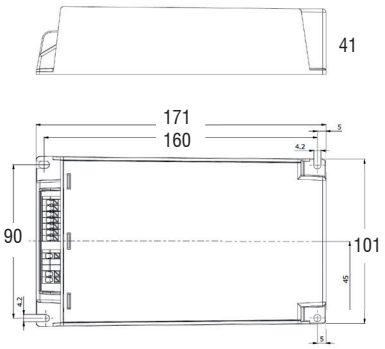
22W / 40W



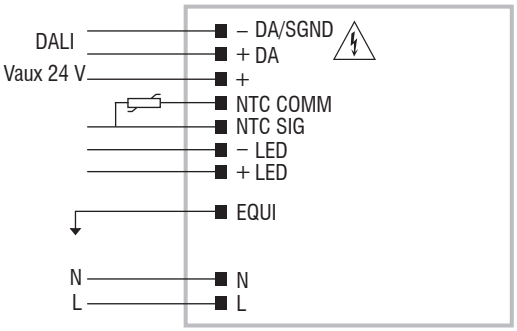
75W / 110W

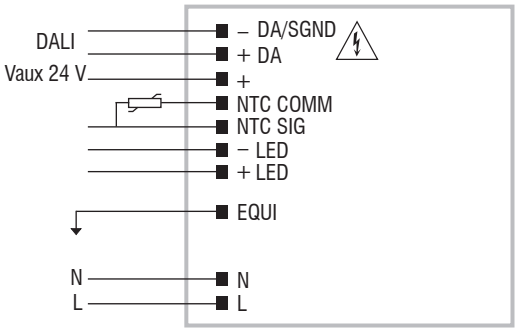


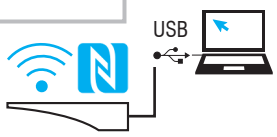
165W



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
LINK TO DOWNLOAD PROGRAMMING SOFTWARE LINK PER SCARICARE SOFTWARE DI PROGRAMMAZIONE	

Operation Mode
- **WIRELESS PROGRAMMING** through **NFC** antenna.
- The main available features are:
  - **MIDNIGHT**: automatic dimming according to programmed parameters;
  - **AMP DIM**: dimming according to mains voltage reduction;
  - **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;
  - **AMP DIM**: regolazione proporzionata alla riduzione della tensione di rete;
  - **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

SIRIO SQ AD - 22 - 40 - 75 - 110 - 165

Direct current dimmable electronic drivers
Alimentatori elettronici regolabili in corrente continua

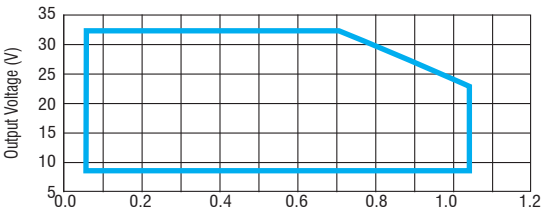
Made in Europe

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	η max. Efficiency(1)
SIRIO SQ 22W/300-1000 AD (2)(4)	145045	3...22	8...32	70...1050 mA cost.	700	50	-40...+55	85	0,95	> 85 %
SIRIO SQ 40W/300-1000 AD (3)(4)	145046	6...40	20...54	70...1050 mA cost.	700	90	-40...+55	85	0,95	> 88 %
SIRIO SQ 75W/300-1000 AD (5)	145047	10...75	35...108	70...1050 mA cost.	700	150	-40...+55	90	0,95	> 92 %
SIRIO SQ 110W/300-1000 AD (5)	145048	15...110	50...160	70...1050 mA cost.	700	200	-40...+55	90	0,95	> 92,5 %
SIRIO SQ 165W/300-1000 AD (5)(6)(7)	145049	24...165	80...235	70...1050 mA cost.	700	280	-40...+55	90	0,95	> 92,5 %

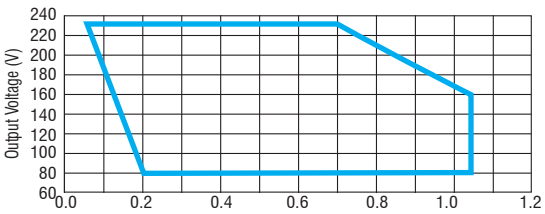
(1) Referred to V_{in} = 230 V, 100% load - Riferito a V_{in} = 230 V, carico 100%

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)

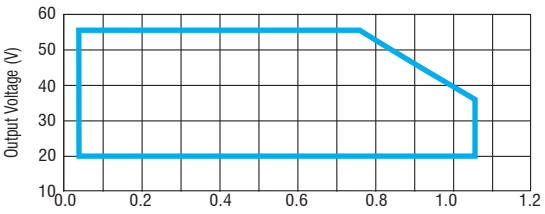
22W



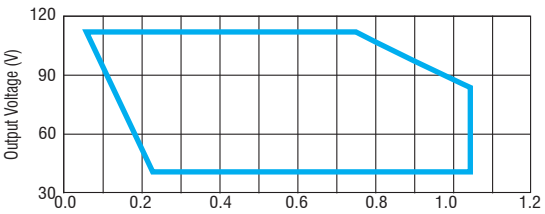
165W



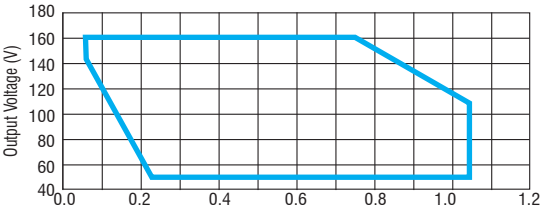
40W



75W



110W



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
DC 220 ÷ 240 V (6)

Power - Potenza
3 ÷ 165 W

iTHD
≤ 10% (1)

Stand by power
≤ 0,5 W

Output current ripple
≤ 4% (1)
≤ 6,5% (7)

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
22W: 23 pcs
40W: 21 pcs
75W: 30 pcs
110W: 21 pcs
165W: 14 pcs

In rush current
22W: 18A 320μsec
40W: 21A 300μsec
75W: 12A 100μsec
110W: 12A 100μsec
165W: 11,5A 100μsec

Features
- 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 ±5 % including temperature variations.
- Input and output terminal blocks on same side (wire cross-section 0,5...1,5 mm²).
- Protections:
  - against overheating and short circuits;
  - against mains voltage spikes;
  - against overloads.
- Thermal protection = C.5.e.

Caratteristiche
- 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 ±5 % incluse variazioni di temperatura.
- Morsetti di entrata e uscita sullo stesso lato (sezione cavo fino a 0,5...1,5 mm²).
- Protezioni:
  - termica e cortocircuito;
  - contro le extra-tensioni di rete;
  - contro i sovraccarichi.
- Protezione termica = C.5.e.

DIM-TO-WARM

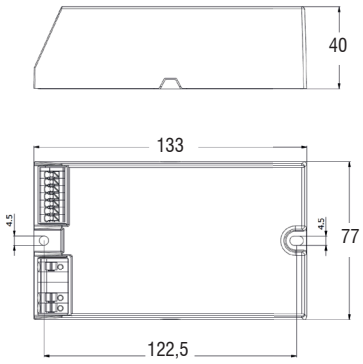
SIRIO SQ AD - 22 - 40 - 75 - 110 - 165

Direct current dimmable electronic drivers
Alimentatori elettronici regolabili in corrente continua

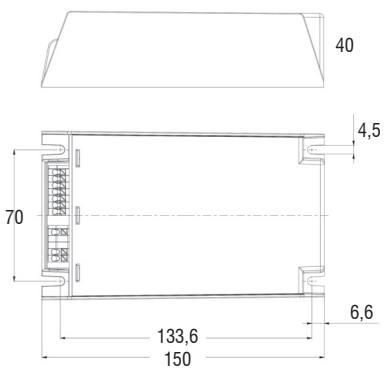
Made in Europe

BUILT-IN | SCREW FIXING

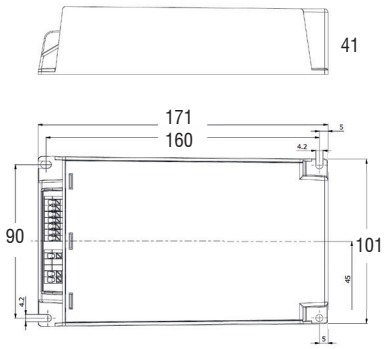
22W / 40W



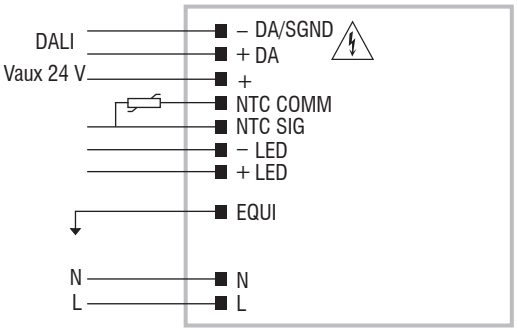
75W / 110W

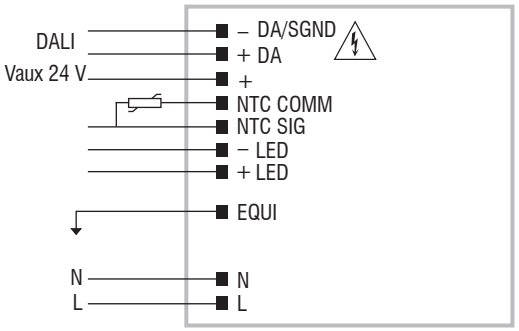


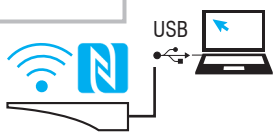
165W



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
LINK TO DOWNLOAD PROGRAMMING SOFTWARE LINK PER SCARICARE SOFTWARE DI PROGRAMMAZIONE	

Operation Mode

- **WIRELESS PROGRAMMING** through **NFC** antenna.
- The main available features are:
  - **MIDNIGHT**: automatic dimming according to programmed parameters;
  - **AMP DIM**: dimming according to mains voltage reduction;
  - **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;
  - **AMP DIM**: regolazione proporzionata alla riduzione della tensione di rete;
  - **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

SIRIO SL 1-10 V - 40 - 75 - 150

Direct current dimmable electronic drivers
Alimentatori elettronici regolabili in corrente continua

Made in Europe

DIM-TO-WARM

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)

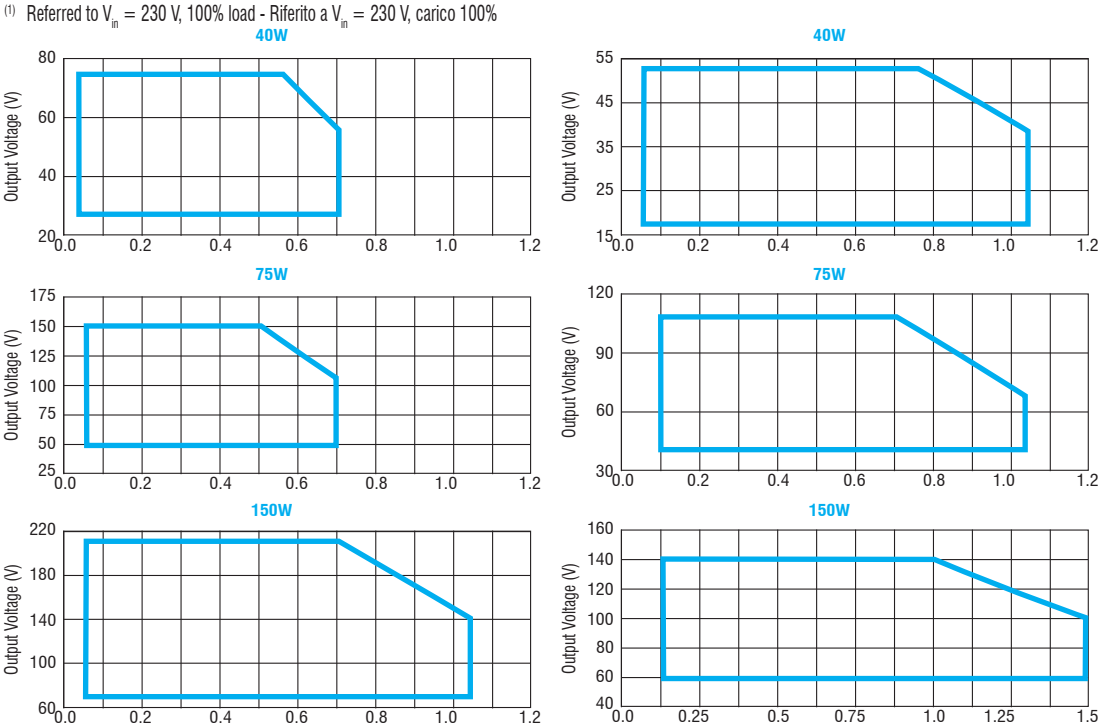
Standards compliance
EN 55015
EN 61000-3-2
EN 61000-3-3
EN 61347-1
EN 61347-2-13
EN 61547

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	η max. Efficiency(1)
SIRIO SL 40W/200-700 1-10V (3)	145080	5...40	23...77	50...700 mA cost.	700	90	-40...+55	80	0,95	> 89 %
SIRIO SL 75W/200-700 1-10V	145081	10...75	50...150	70...700 mA cost.	700	190	-40...+55	85	0,95	> 92 %
SIRIO SL 40W/300-1000 1-10V (4)	145082	6...40	20...54	70...1050 mA cost.	700	60	-40...+55	80	0,95	> 88 %
SIRIO SL 75W/300-1000 1-10V	145083	10...75	35...108	100...1050 mA cost.	700	140	-40...+55	85	0,95	> 91 %
SIRIO SL 150W/300-1000 1-10V	145084	21...165	70..214	100...1050 mA cost.	700	260	-40...+55	90	0,95	> 93 %
SIRIO SL 150W/500-1500 1-10V	145085	25...150	50..142	150...1500 mA cost.	1050	200	-40...+55	90	0,95	> 92 %

(1) Referred to V_{in} = 230 V, 100% load - Riferito a V_{in} = 230 V, carico 100%



Features
- **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 mm²).
- Protections:
  - against overheating and short circuits;
  - against mains voltage spikes;
  - against overloads.
- Thermal protection = C.5.e.

Caratteristiche
- **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 mm²).
- Protezioni:
  - termica e cortocircuito;
  - contro le extra-tensioni di rete;
  - contro i sovraccarichi.
- Protezione termica = C.5.e.

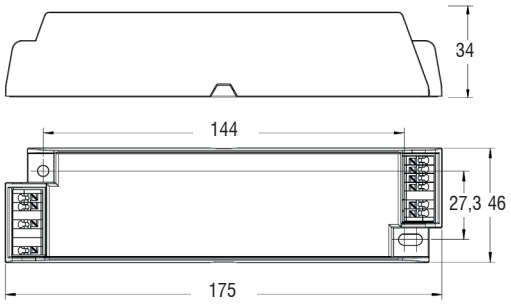
SIRIO SL 1-10 V - 40 - 75 - 150

Direct current dimmable electronic drivers
Alimentatori elettronici regolabili in corrente continua

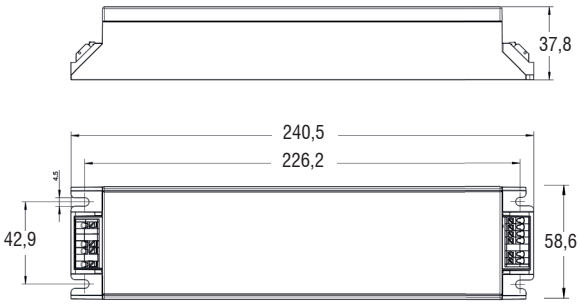
Made in Europe

BUILT-IN | SCREW FIXING

40W



75W / 150W



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

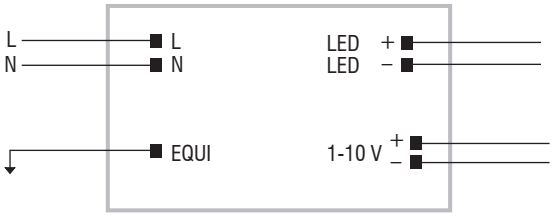


Diagram for 40W - Collegamento per 40W

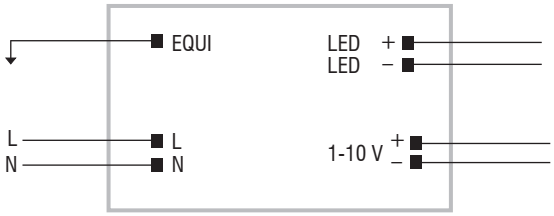
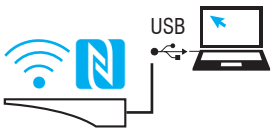


Diagram for 75-150W - Collegamento per 75-150W



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
LINK TO DOWNLOAD PROGRAMMING SOFTWARE LINK PER SCARICARE SOFTWARE DI PROGRAMMAZIONE	

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

SIRIO SL 4PN - 40 - 75

Direct current dimmable electronic drivers
Alimentatori elettronici regolabili in corrente continua

Made in Europe

DIM-TO-WARM

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
5 ÷ 75 W

iTHD
≤ 10% (1)

Stand by power
≤ 0,5 W

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
EN 62386-101
EN 62386-102
EN 62386-207

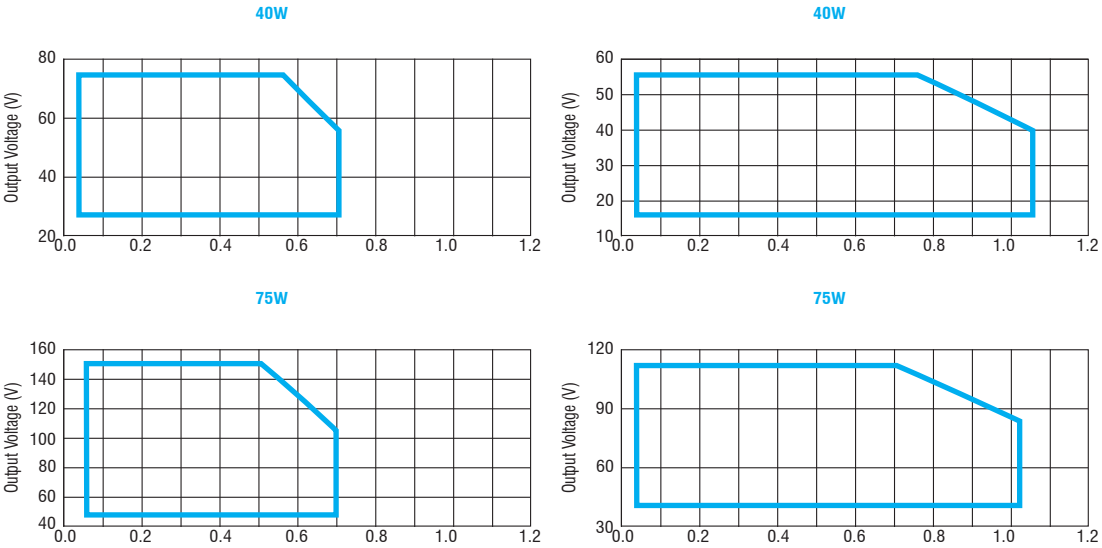
Max. pcs for CB B16A
40W: 26 pcs
75W: 11 pcs

In rush current
40W: 21A 225μsec
75W: 46A 250μsec

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	η max. Efficiency(1)
SIRIO SL 40W/200-700 4PN (3)	145064	5...40	25...77	53...700 mA cost.	700	100	-40...+55	85	0,95	> 90 %
SIRIO SL 75W/200-700 4PN	145065	10...75	50...150	53...700 mA cost.	700	180	-40...+55	85	0,95	> 91,5 %
SIRIO SL 40W/300-1000 4PN (2)	145066	6...40	20...54	70...1050 mA cost.	700	60	-40...+55	90	0,95	> 90 %
SIRIO SL 75W/300-1000 4PN (4)	145067	10...75	35...108	70...1050 mA cost.	700	140	-40...+55	85	0,95	> 91,5 %

(1) Referred to V_{in} = 230 V, 100% load - Riferito a V_{in} = 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
- **Ultra high input spikes protection up to 10kV.**
- 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 ±3 % including temperature variations.
- Input and output terminal blocks on same side (wire cross-section 0,5...1,5 mm²).
- Protections:
  - against overheating and short circuits;
  - against mains voltage spikes;
  - against overloads.
- Thermal protection = C.5.e.

Caratteristiche
- **Elevata protezione contro spike di rete fino a 10kV.**
- 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 ±3 % incluse variazioni di temperatura.
- Morsetti di entrata e uscita sullo stesso lato (sezione cavo fino a 0,5...1,5 mm²).
- Protezioni:
  - termica e cortocircuito;
  - contro le extra-tensioni di rete;
  - contro i sovraccarichi.
- Protezione termica = C.5.e.

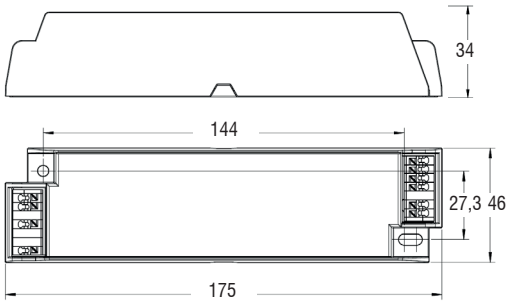
SIRIO SL 4PN - 40 - 75

Direct current dimmable electronic drivers
Alimentatori elettronici regolabili in corrente continua

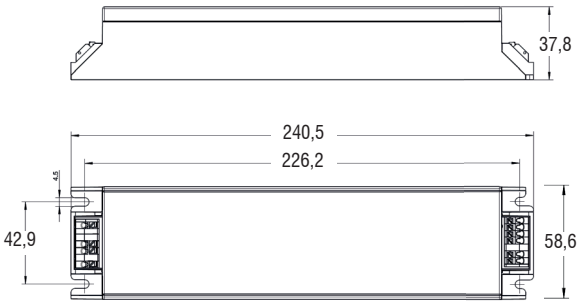
Made in Europe

BUILT-IN | SCREW FIXING

40W



75W



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

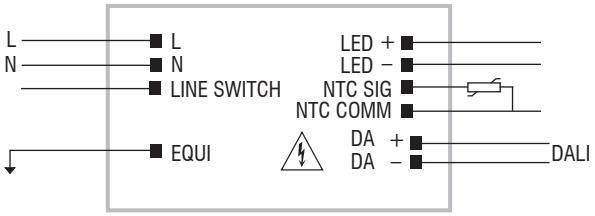


Diagram for 40W - Collegamento per 40W

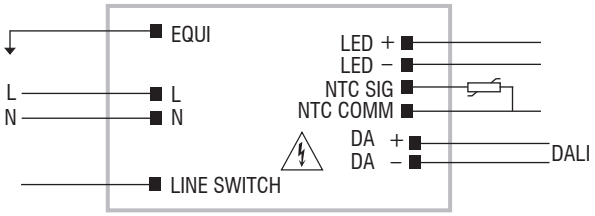
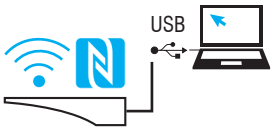


Diagram for 75W - Collegamento per 75W



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
LINK TO DOWNLOAD PROGRAMMING SOFTWARE LINK PER SCARICARE SOFTWARE DI PROGRAMMAZIONE	

Operation Mode
- **4PN** devices allow the user to set different parameters.
- **WIRELESS PROGRAMMING** through **NFC** antenna.
- Compatible with standard DALI interfaces.
- The main available features are:
  - **DALI**: dimming through insulated port;
  - **MIDNIGHT**: automatic dimming according to programmed parameters;
  - **AMP DIM**: dimming according to mains voltage reduction;
  - **CLO**: Constant Light Output;
  - **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
- I dispositivi **4PN** permettono all'utente di impostare diversi parametri.
- La **PROGRAMMAZIONE WIRELESS** avviene attraverso l'antenna **NFC**.
- Compatibilità con interfacce DALI standard.
- Le principali caratteristiche disponibili sono:
  - **DALI**: regolazione attraverso la porta isolata;
  - **MIDNIGHT**: regolazione automatica secondo i parametri programmati;
  - **AMP DIM**: regolazione proporzionata alla riduzione della tensione di rete;
  - **CLO**: Constant Light Output;
  - **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

SIRIO SL 4PN - 150

Direct current dimmable electronic drivers
Alimentatori elettronici regolabili in corrente continua

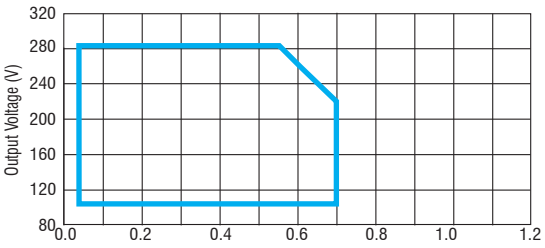
Made in Europe

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	η max. Efficiency(1)
SIRIO SL 150W/200-700 4PN	145087	18...150	90...283	53...700 mA cost.	700	340	-40...+55	90	0,95	> 92,5 %
SIRIO SL 150W/300-1000 4PN	145088	21...150	70...214	70...1050 mA cost.	700	260	-40...+55	90	0,95	> 92,5 %

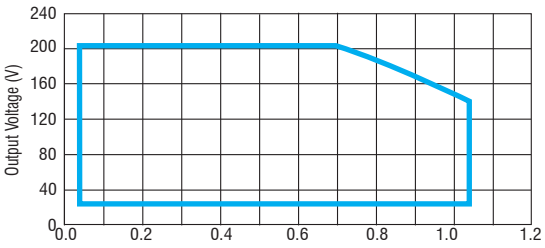
(1) Referred to V_{in} = 230 V, 100% load - Riferito a V_{in} = 230 V, carico 100%

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)

150 W/200-700



150 W/300-1000



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
18 ÷ 150 W

iTHD
≤ 10% (1)

Stand by power
≤ 0,5 W

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
EN 62386-101
EN 62386-102
EN 62386-207
EN 62386-251
EN 62386-252
EN 62386-253

Max. pcs for CB B16A
150W: 8 pcs

In rush current
150W: 53A 300μsec

Features
- **Ultra high input spikes protection up to 10kV.**
- 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 ±3 % including temperature variations.
- Input and output terminal blocks on same side (wire cross-section 0,5...1,5 mm²).
- Protections:
  - against overheating and short circuits;
  - against mains voltage spikes;
  - against overloads.
- Thermal protection = C.5.e.

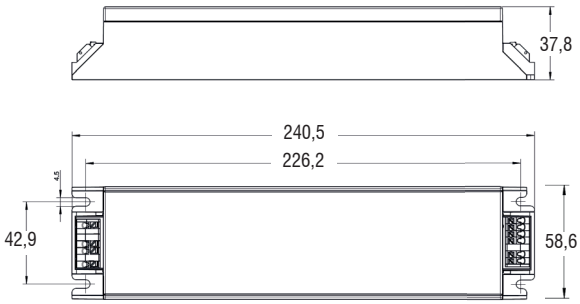
Caratteristiche
- **Elevata protezione contro spike di rete fino a 10kV.**
- Alimentatore multipotenza programmabile.
- Alimentatore da incorporare.
- Utilizzabile per apparecchi di illuminazione in classe di protezione I e II.
- PFC attivo.
- Entrata analogica per sensore termico.
- Corrente regolata ±3 % incluse variazioni di temperatura.
- Morsetti di entrata e uscita sullo stesso lato (sezione cavo fino a 0,5...1,5 mm²).
- Protezioni:
  - termica e cortocircuito;
  - contro le extra-tensioni di rete;
  - contro i sovraccarichi.
- Protezione termica = C.5.e.

SIRIO SL 4PN - 150

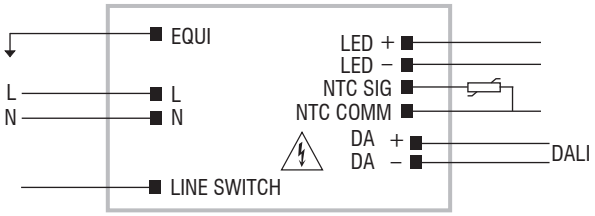
Direct current dimmable electronic drivers
Alimentatori elettronici regolabili in corrente continua

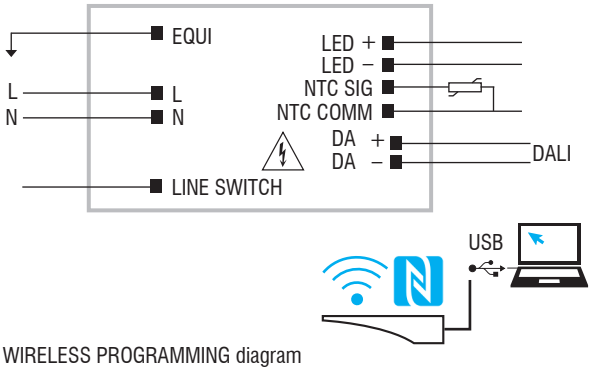
Made in Europe

BUILT-IN | SCREW FIXING



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
LINK TO DOWNLOAD PROGRAMMING SOFTWARE LINK PER SCARICARE SOFTWARE DI PROGRAMMAZIONE	

Operation Mode
- **4PN** devices allow the user to set different parameters.
- **WIRELESS PROGRAMMING** through **NFC** antenna.
- Compatible with standard DALI interfaces.
- The main available features are:
  - **DALI**: dimming through insulated port;
  - **MIDNIGHT**: automatic dimming according to programmed parameters;
  - **AMP DIM**: dimming according to mains voltage reduction;
  - **CLO**: Constant Light Output;
  - **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
- I dispositivi **4PN** permettono all'utente di impostare diversi parametri.
- La **PROGRAMMAZIONE WIRELESS** avviene attraverso l'antenna **NFC**.
- Compatibilità con interfacce DALI standard.
- Le principali caratteristiche disponibili sono:
  - **DALI**: regolazione attraverso la porta isolata;
  - **MIDNIGHT**: regolazione automatica secondo i parametri programmati;
  - **AMP DIM**: regolazione proporzionata alla riduzione della tensione di rete;
  - **CLO**: Constant Light Output;
  - **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

SIRIO SL AD - 75 - 150

Direct current dimmable electronic drivers
Alimentatori elettronici regolabili in corrente continua

Made in Europe

DIM-TO-WARM

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
≤ 10% (1)

Stand by power
≤ 0,5 W

Output current ripple
≤ 4% (1)

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

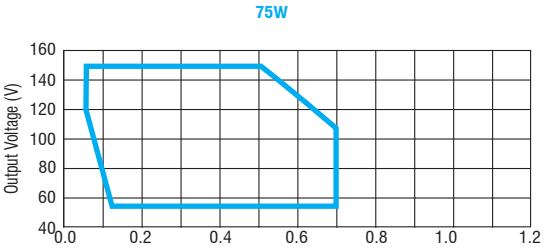
Max. pcs for CB B16A
75W: 31 pcs
150W: 15 pcs

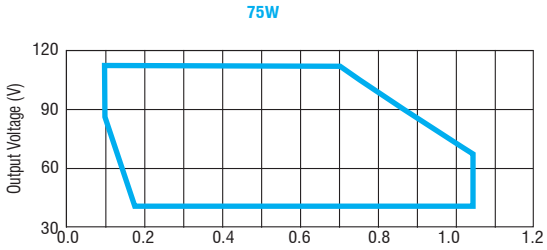
In rush current
75W: 9,6A 130µsec
150W: 11,2A 135µsec

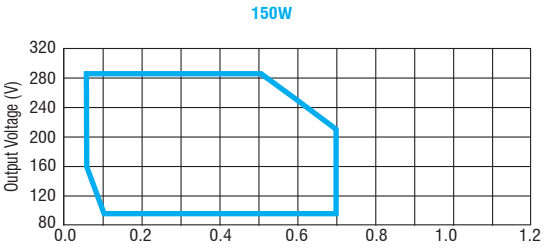
Article Articolo	Code Codice	P out W	V out DC	I out DC	Default I out DC	U out V	ta °C	tc °C	λ max. Power Factor	η max. Efficiency(1)
SIRIO SL 75W/200-700 AD	145050	10...75	50...150	53...700 mA cost	700	200	-40...+55	80	0,98	> 92 %
SIRIO SL 75W/300-1000 AD	145052	10...75	35...108	70...1050 mA cost.	700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

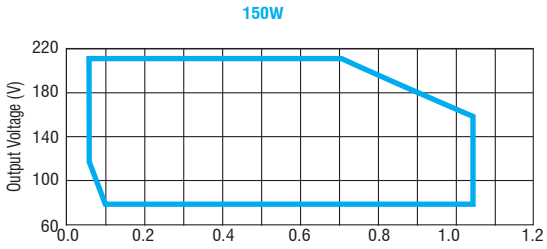
(1) Referred to V_{in} = 230 V, 100% load - Riferito a V_{in} = 230 V, carico 100%

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
- 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 ±3 % including temperature variations.
- Input and output terminal blocks on same side (wire cross-section 0,5...1,5 mm²).
- Protections:
  - against overheating and short circuits;
  - against mains voltage spikes;
  - against overloads.
- Thermal protection = C.5.e.

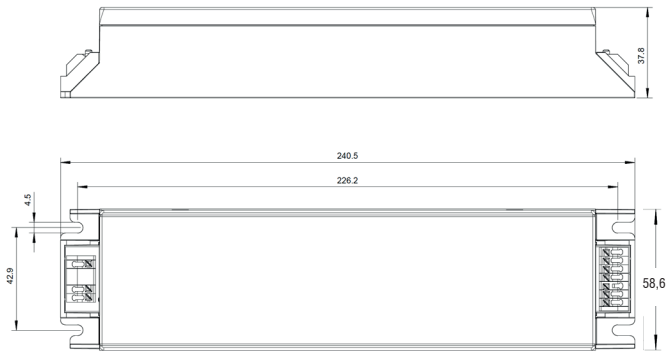
Caratteristiche
- Conforme con Zhaga book 18.
- Uscita ausiliare 24 V max. 60 mA.
- Alimentatore multipotenza programmabile.
- Alimentatore da incorporare.
- Utilizzabile per apparecchi di illuminazione in classe di protezione I e II.
- PFC attivo.
- Entrata analogica per sensore termico.
- Corrente regolata ±3 % incluse variazioni di temperatura.
- Morsetti di entrata e uscita sullo stesso lato (sezione cavo fino a 0,5...1,5 mm²).
- Protezioni:
  - termica e cortocircuito;
  - contro le extra-tensioni di rete;
  - contro i sovraccarichi.
- Protezione termica = C.5.e.

SIRIO SL AD - 75 - 150

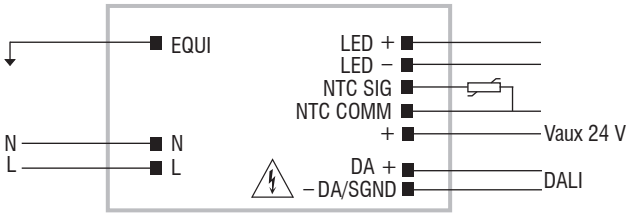
Direct current dimmable electronic drivers
Alimentatori elettronici regolabili in corrente continua

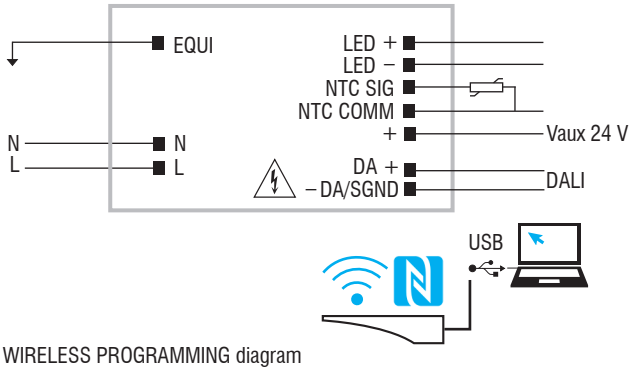
Made in Europe

BUILT-IN | SCREW FIXING



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
LINK TO DOWNLOAD PROGRAMMING SOFTWARE LINK PER SCARICARE SOFTWARE DI PROGRAMMAZIONE	

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

VEGA 75W - 320W FPD IP67

Direct current dimmable electronic drivers
Alimentatori elettronici regolabili in corrente continua

FPD ADIM MIDNIGHT CLO constant CURRENT

RIPPLE FREE | Pst LM ≤ 1 SVM ≤ 0,4 | 277 Vin

5kV DIFF. 10 kV COMM. | ACTIVE PFC | SEC. SWITCH | SAFETY PROTECTIONS

(1) Referred to V_{in} = 230 V, 100% load
Riferito a V_{in} = 230 V, carico 100%
(2) Referred to V_{in} = 100-200 V, 100% load
Riferito a V_{in} = 100-200 V, carico 100%
(3) Pout > 42 W

Article - Articolo	Code - Codice
FPD PROGRAMMING TOOL 2.0	127094

LINK TO DOWNLOAD PROGRAMMING SOFTWARE
LINK PER SCARICARE SOFTWARE DI PROGRAMMAZIONE

Rated Voltage
Tensione Nominale
100 ÷ 200 V (4)
200 ÷ 240 V
277 V

Frequency
Frequenza
50-60 Hz

AC Operation range
Tensione di utilizzo AC
90 ÷ 305 V

Power - Potenza
35 ÷ 320 W

iTHD
≤ 10% (1)

Stand by power
≤ 0,5 W

Output current ripple
≤ 5% (1)

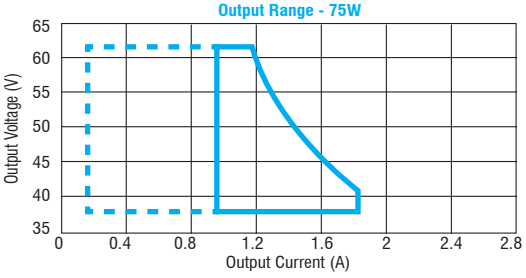
Standards compliance
EN 55015
EN 61000-3-2
EN 61000-3-3
EN 61347-1
EN 61347-2-13
EN 61547
EN 62384
EN 62493
UL 8750

Max. pcs for CB B16A
(see page info17)
75W: 11 pcs
105W: 6 pcs
150W: 5 pcs
200W: 4 pcs
240W: 4 pcs
320W: 2 pcs

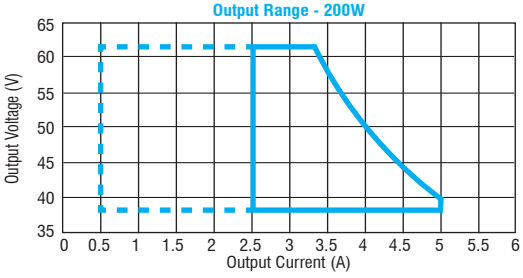
In rush current
75W: 38A 312µsec
105W: 39A 456µsec
150W: 40A 592µsec
200W: 40A 652µsec
240W: 41A 764µsec
320W: 100A 846µsec

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 (2)	η max. Efficiency(1)
VEGA 75/940-1880 FPD IP67 (6)	127848	35...75	38...62	940...1880 mA cost.	1400 mA	70	-40...+60/50(4)	90	0,95(3)	> 89 %
VEGA 105/1250-2500 FPD IP67	127830	47...105	38...62	1250...2500 mA cost.	2100 mA	70	-40...+60/50(4)	90	0,95	> 91 %
VEGA 150/1800-3600 FPD IP67	127831	68...150	38...62	1800...3600 mA cost.	3150 mA	70	-40...+60/50(4)	90	0,95	> 91 %
VEGA 200/2500-5000 FPD IP67	127832	95...200	38...62	2500...5000 mA cost.	4900 mA	70	-40...+60/50(4)	90	0,95	> 92 %
VEGA 240/2850-5710 FPD IP67	127833	108...240	38...62	2850...5710 mA cost.	5000 mA	70	-40...+60/50(4)	90	0,95	> 92 %
VEGA 320/3750-7500 FPD IP67	127862	142...320	38...62	3750...7500 mA cost.	6700 mA	70	-40...+60/50(4)	90	0,95	> 92 %

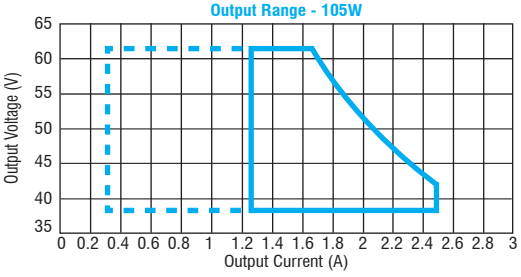
Output Range - 75W



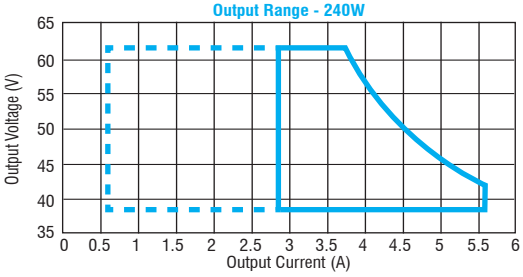
Output Range - 200W



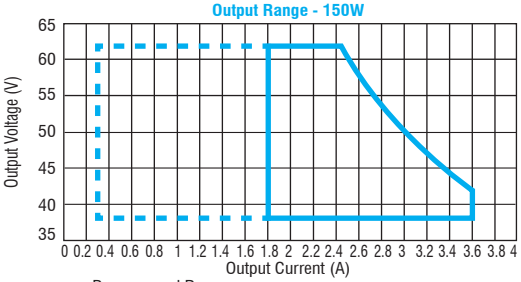
Output Range - 105W



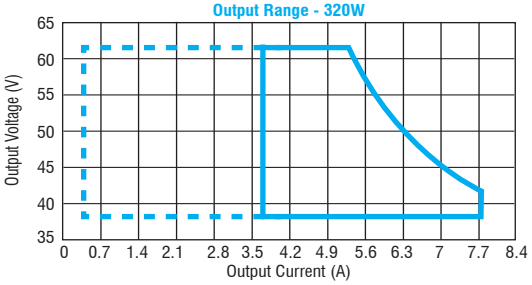
Output Range - 240W



Output Range - 150W



Output Range - 320W



Programmed Range

Features
- Independent driver with case IP67 (see page info7 for the correct connection of connecting leads/tails).
- Class I protection against electric shock for direct or indirect contact.
- Active Power Factor Corrector.
- Current regulation ±5 % including temperature variations.
- Supplied with connecting leads/tails on primary and secondary circuits for connection.
- Protections:
  - against overheating and short circuits;
  - against mains voltage spikes;
  - against overloads.
- Thermal protection = C.5.a. - C.5.e.(6)

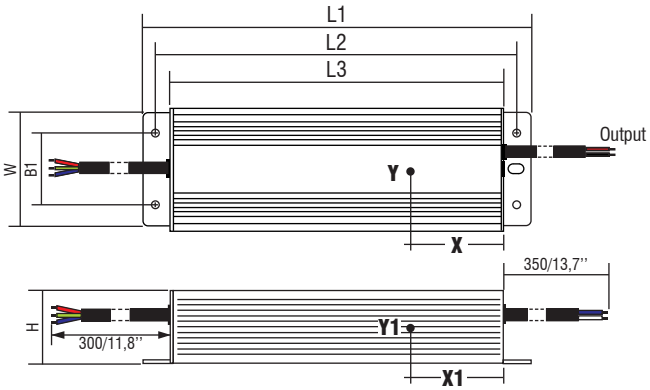
Caratteristiche
- Alimentatore indipendente con case IP67 (vedi pagina info7 per il corretto collegamento dei cavi di connesione).
- Protetto in classe I contro le scosse elettriche per contatti diretti e indiretti.
- PFC attivo.
- Corrente regolata ±5 % incluse variazioni di temperatura.
- Fornito di cavi di connessione su primario e secondario per il collegamento.
- Protezioni:
  - termica e cortocircuito;
  - contro le extra-tensioni di rete;
  - contro i sovraccarichi.
- Protezione termica = C.5.a. - C.5.e.(6)

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

VEGA 75W - 320W FPD IP67

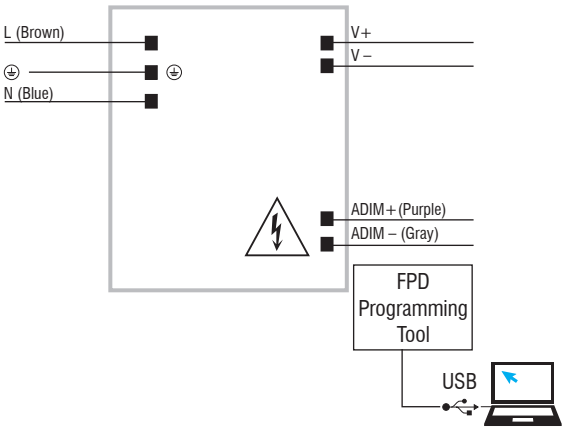
Direct current dimmable electronic drivers
Alimentatori elettronici regolabili in corrente continua

IP 67 | SCREW FIXING



Article Articolo	Dimensions - Dimensioni						Weight - Peso	Tc C°			
	L1	L2	L3	W	H	B1		X	Y	X1	Y1
VEGA 75/940-1880 FPD IP67	128	117	114	68	37	34	gr. 500 / 17,6 oz.	-	-	46	25
VEGA 105/1250-2500 FPD IP67	153	142	139	68	37	38	gr. 700 / 24,7 oz.	58	48	-	-
VEGA 150/1800-3600 FPD IP67	173	162	159	68	37	34	gr. 1000 / 35,3 oz.	49	44	-	-
VEGA 200/2500-5000 FPD IP67	193	182	179	68	40	34	gr. 1200 / 42,3 oz.	73,5	28,5	-	-
VEGA 240/2850-5700 FPD IP67	208	198	194	68	40	34	gr. 1100 / 38,8 oz.	-	-	88,5	26,5
VEGA 320/550-1100 FPD IP67	231	220	216	98	42	40	gr. 1550 / 54,6 oz.	65	25	-	-

Wiring diagrams - Schemi di collegamento (Max. LED distance at page info8 - Massima distanza LED a pagina info8)



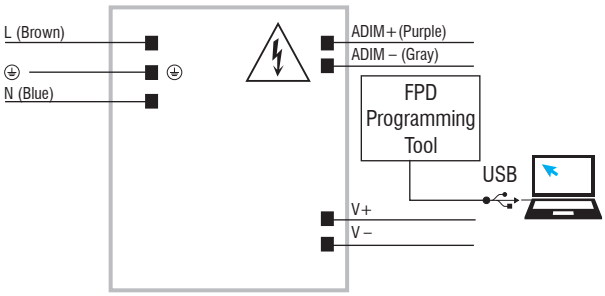


Diagram for 320 W - Collegamento per 320 W

Operation Mode
- **FULL PROGRAMMABLE** (**FPD**) devices allow the user to set different parameters without need of switching on the product.
- The **FULL PROGRAMMABLE (FPD)** functions can be set with the **FPD PROGRAMMING TOOL** interface through **0/1...10 V** port.
- Light regulation: 0/10-100% by means of 0/1...10 V local interface.
- The main available features are:
  - **CLO** (Constant Light Output);
  - **MIDNIGHT**: automatic dimming according to programmed parameters;

For additional details for regulations see pages info12-14.

Modalità di funzionamento
- I dispositivi **FULL PROGRAMMABLE (FPD)** permettono all'utente di impostare diversi parametri senza la necessità di accendere il prodotto.
- Le funzioni **FULL PROGRAMMABLE (FPD)** possono essere impostate con l'interfaccia **FPD PROGRAMMING TOOL** tramite porta **0/1...10 V**.
- Regolazione della luminosità: 0/10-100% mediante interfaccia locale 0/1...10 V.
- Le principali caratteristiche disponibili sono:
  - **CLO** (Constant Light Output);
  - **MIDNIGHT**: regolazione automatica secondo i parametri programmati.

Per ulteriori dettagli sulle regolazioni vedi pagine info12-14.

VEGA 75W - 320W FPD IP67

Direct current dimmable electronic drivers
Alimentatori elettronici regolabili in corrente continua

Article - Articolo	Code - Codice
FPD PROGRAMMING TOOL 2.0	127094

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LINK PER SCARICARE SOFTWARE DI PROGRAMMAZIONE

Rated Voltage
Tensione Nominale
100 ÷ 200 V (5)
200 ÷ 240 V
277 V

Frequency
Frequenza
50-60 Hz

AC Operation range
Tensione di utilizzo AC
90 ÷ 305 V

Power - Potenza
28 ÷ 320 W

iTHD
≤ 10% (1)
≤ 15% (4)

Stand by power
≤ 0,5 W

Output current ripple
≤ 5% (1)

Standards compliance
EN 55015
EN 61000-3-2
EN 61000-3-3
EN 61347-1
EN 61347-2-13
EN 61547
EN 62384
EN 62493
UL 8750

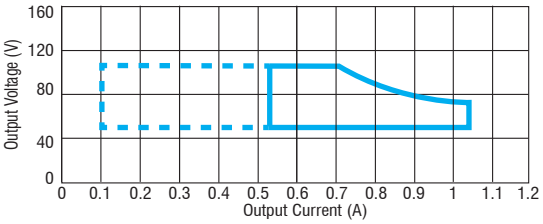
Max. pcs for CB B16A
(see page info17)
75W: 11 pcs
105W: 6 pcs
150W: 5 pcs
200W: 4 pcs
240W: 4 pcs
320W: 2 pcs

In rush current
75W: 38A 312µsec
105W: 39A 456µsec
150W: 40A 592µsec
200W: 40A 652µsec
240W: 41A 764µsec
320W: 100A 846µsec

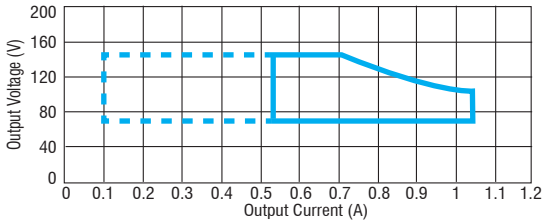
Article Articolo	Code Codice	P out W	V out DC	I out DC	Default I out DC	U out V	ta °C	tc °C	λ max. Power Factor (2)	η max. Efficiency(1)
VEGA 75/530-1050 FPD IP67 (3)(4)	127840	28...75	54...108	530...1050 mA cost.	700 mA	120	-40...+60/50(5)	90	0,95	> 90 %
VEGA 105/530-1050 FPD IP67	127841	40...105	75...150	530...1050 mA cost.	1050 mA	170	-40...+60/50(5)	90	0,95	> 92 %
VEGA 150/530-1050 FPD IP67	127842	56...150	107...214	530...1050 mA cost.	1050 mA	240	-40...+60/50(5)	90	0,95	> 92 %
VEGA 200/530-1050 FPD IP67	127843	75...200	143...286	530...1050 mA cost.	700 mA	300	-40...+60/50(5)	90	0,95	> 93 %
VEGA 240/530-1050 FPD IP67	127844	90...240	171...343	530...1050 mA cost.	1050 mA	360	-40...+60/50(5)	90	0,95	> 93 %
VEGA 320/550-1100 FPD IP67	127845	125...320	228...457	550...1100 mA cost.	1050 mA	480	-40...+60/50(5)	90	0,95	> 92 %

(1) Referred to V_{in} = 230 V, 100% load - Riferito a V_{in} = 230 V, carico 100%
(2) Referred to V_{in} = 100-200 V, 100% load - Riferito a V_{in} = 100-200 V, carico 100%

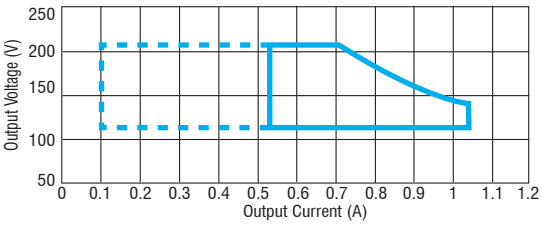
Output Range - 75W



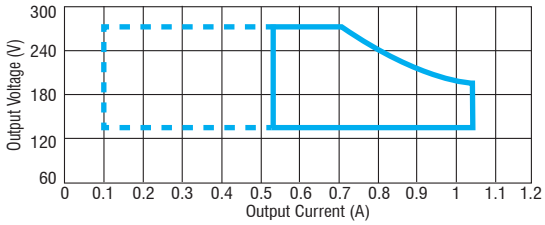
Output Range - 105W



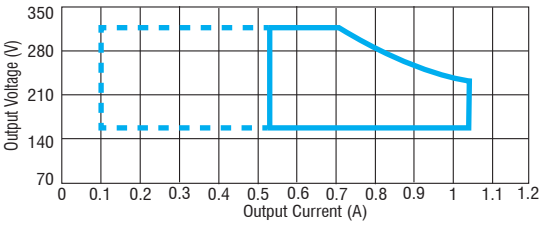
Output Range - 150W



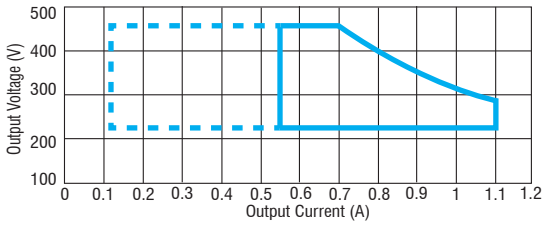
Output Range - 200W



Output Range - 240W



Output Range - 320W



Programmed Range

Features
- Independent driver with case IP67 (see page info7 for the correct connection of connecting leads/tails).
- Class I protection against electric shock for direct or indirect contact.
- Active Power Factor Corrector.
- Current regulation ±5 % including temperature variations.
- Supplied with connecting leads/tails on primary and secondary circuits for connection.
- Protections:
  - against overheating and short circuits;
  - against mains voltage spikes;
  - against overloads.
- Thermal protection = C.5.a.

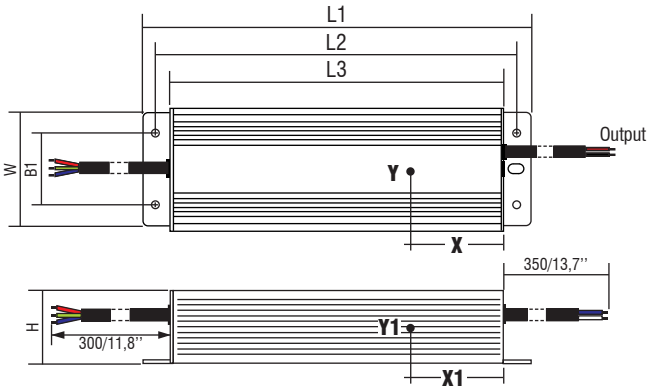
Caratteristiche
- Alimentatore indipendente con case IP67 (vedi pagina info7 per il corretto collegamento dei cavi di connesione).
- Protetto in classe I contro le scosse elettriche per contatti diretti e indiretti.
- PFC attivo.
- Corrente regolata ±5 % incluse variazioni di temperatura.
- Fornito di cavi di connessione su primario e secondario per il collegamento.
- Protezioni:
  - termica e cortocircuito;
  - contro le extra-tensioni di rete;
  - contro i sovraccarichi.
- Protezione termica = C.5.a.

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

VEGA 75W - 320W FPD IP67

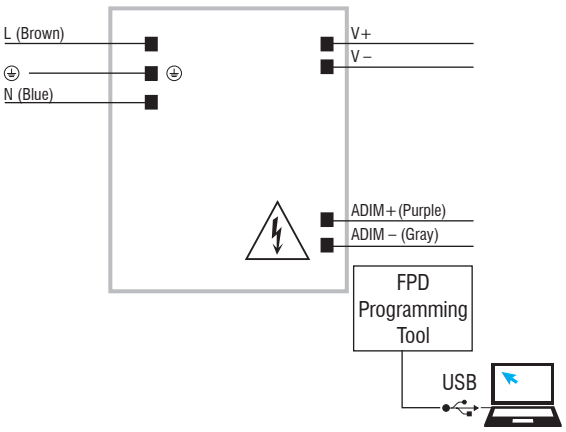
Direct current dimmable electronic drivers
Alimentatori elettronici regolabili in corrente continua

IP 67 | SCREW FIXING



Article Articolo	Dimensions - Dimensioni						Weight - Peso	Tc C°			
	L1	L2	L3	W	H	B1		X	Y	X1	Y1
VEGA 75/530-1050 FPD IP67	128	117	114	68	37	34	gr. 500 / 17,6 oz.	-	-	46	25
VEGA 105/530-1050 FPD IP67	153	142	139	68	37	38	gr. 700 / 24,7 oz.	58	48	-	-
VEGA 150/530-1050 FPD IP67	173	162	159	68	37	34	gr. 1000 / 35,3 oz.	49	44	-	-
VEGA 200/530-1050 FPD IP67	193	182	179	68	40	34	gr. 1200 / 42,3 oz.	73,5	28,5	-	-
VEGA 240/530-1050 FPD IP67	208	198	194	68	40	34	gr. 1100 / 38,8 oz.	-	-	88,5	26,5
VEGA 320/550-1100 FPD IP67	231	220	216	98	42	40	gr. 1550 / 54,6 oz.	65	25	-	-

Wiring diagrams - Schemi di collegamento (Max. LED distance at page info8 - Massima distanza LED a pagina info8)



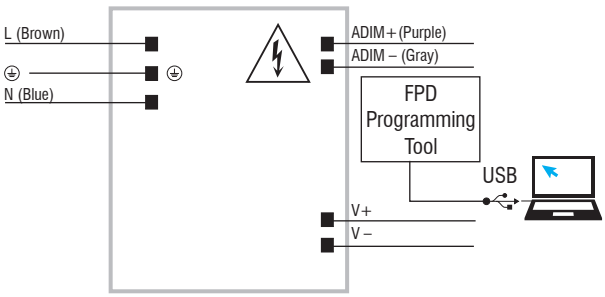


Diagram for 320 W - Collegamento per 320 W

Operation Mode

- **FULL PROGRAMMABLE** (**FPD**) devices allow the user to set different parameters without need of switching on the product.
- The **FULL PROGRAMMABLE (FPD)** functions can be set with the **FPD PROGRAMMING TOOL** interface through **0/1...10 V** port.
- Light regulation: 0/10-100% by means of 0/1...10 V local interface.
- The main available features are:
  - **CLO** (Constant Light Output);
  - **MIDNIGHT**: automatic dimming according to programmed parameters;

For additional details for regulations see pages info12-14.

Modalità di funzionamento

- I dispositivi **FULL PROGRAMMABLE (FPD)** permettono all'utente di impostare diversi parametri senza la necessità di accendere il prodotto.
- Le funzioni **FULL PROGRAMMABLE (FPD)** possono essere impostate con l'interfaccia **FPD PROGRAMMING TOOL** tramite porta **0/1...10 V**.
- Regolazione della luminosità: 0/10-100% mediante interfaccia locale 0/1...10 V.
- Le principali caratteristiche disponibili sono:
  - **CLO** (Constant Light Output);
  - **MIDNIGHT**: regolazione automatica secondo i parametri programmati.

Per ulteriori dettagli sulle regolazioni vedi pagine info12-14.

VEGA 480-600W

Direct current dimmable electronic drivers
Alimentatori elettronici regolabili in corrente continua

FPD · ADIM · MIDNIGHT · CLO · constant CURRENT

RIPPLE FREE · Pst LM ≤ 1 SVM ≤ 0,4 · 277 Vin

5kV DIFF. 10 kV COMM. · ACTIVE PFC · SEC. SWITCH · 12V AUX. 200 mA · SAFETY PROTECTIONS

SELV 60V (5) · SELV 120V (4) · NOT-SELV (3)

Rated Voltage
Tensione Nominale
100 ÷ 200 V (2)
200 ÷ 240 V (3)
277 V (3)

Frequency
Frequenza
50-60 Hz

AC Operation range
Tensione di utilizzo AC
90 ÷ 305 V

Power - Potenza
30 ÷ 600 W

iTHD
≤ 15%

Stand by power
≤ 0,5 W

Output current ripple
≤ 5% (1)

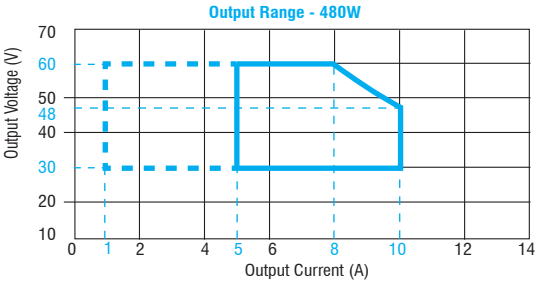
Standards compliance
EN 55015
EN 61000-3-2
EN 61000-3-3
EN 61347-1
EN 61347-2-13
EN 61547
EN 62384
EN 62493

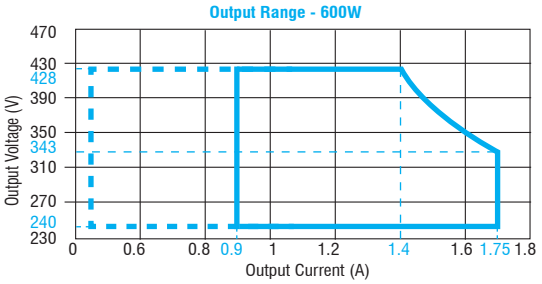
Max. pcs for CB B16A
(see page info17)
480W: 3 pcs
600W: 2 pcs

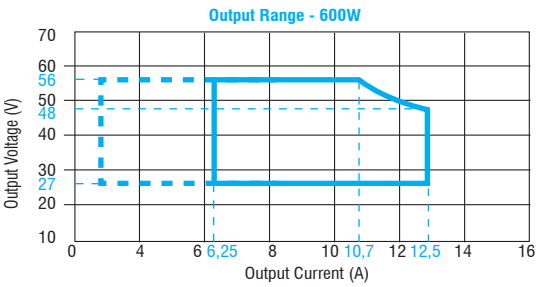
In rush current
480W: 50A 3040μsec
600W: 75A 3040μsec

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	η max. Efficiency(1)
VEGA 480/5000-10000 12V FPD IP67 (4)(7)	127866	30...480	30...60	5000...10000 mA cost.	8,2 A	70	-40...+55(3)/45(2)	90	0,95 Pout ≥ 301 W	> 89 %
VEGA 600/6250-12500 12V FPD IP67 (5)(7)	127857	170...600	27...56	6250...12500 mA cost.	10,7 A	60	-40...+55(3)/45(2)	90	0,95 Pout ≥ 262 W	> 89 %
VEGA 600/875-1750 12V FPD IP67 (3)(6)	127858	210...600	240...428	875...1750 mA cost.	1,4 A	450	-40...+55(3)/45(2)	90	0,95 Pout ≥ 279 W	> 89 %

(1) Referred to V_{in} = 230 V, 100% load - Riferito a V_{in} = 230 V, carico 100%







Article - Articolo	Code - Codice
FPD PROGRAMMING TOOL 2.0	127094

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Features
- Independent driver with case IP67 (see page info7 for the correct connection of connecting leads/tails).
- Class I protection against electric shock for direct or indirect contact.
- Active Power Factor Corrector.
- Current regulation ±5 % including temperature variations.
- Supplied with connecting leads/tails on primary and secondary circuits for connection.
- Protections:
  - against overheating and short circuits;
  - against mains voltage spikes;
  - against overloads.
- Thermal protection = C.5.e.

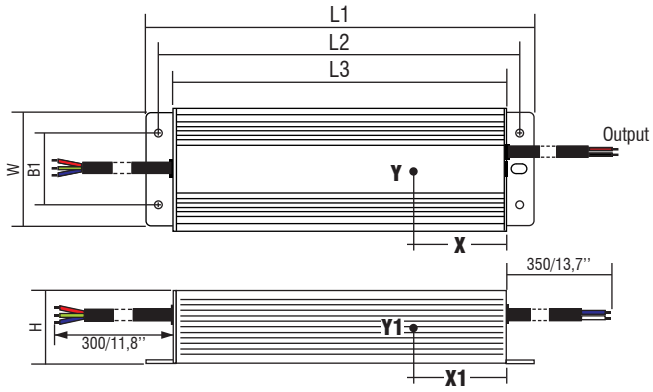
Caratteristiche
- Alimentatore indipendente con case IP67 (vedi pagina info7 per il corretto collegamento dei cavi di connesione).
- Protetto in classe I contro le scosse elettriche per contatti diretti e indiretti.
- PFC attivo.
- Corrente regolata ±5 % incluse variazioni di temperatura.
- Fornito di cavi di connessione su primario e secondario per il collegamento.
- Protezioni:
  - termica e cortocircuito;
  - contro le extra-tensioni di rete;
  - contro i sovraccarichi.
- Protezione termica = C.5.e.

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

VEGA 480-600W

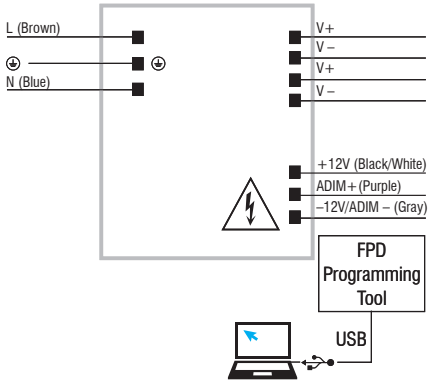
Direct current dimmable electronic drivers
Alimentatori elettronici regolabili in corrente continua

IP 67 SCREW FIXING

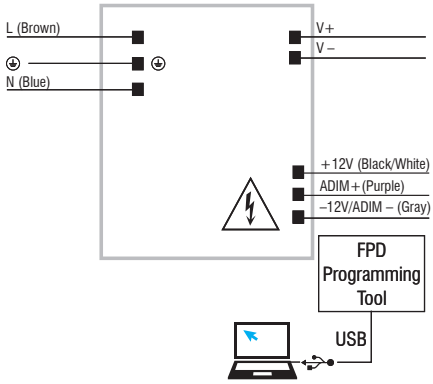


Article Articolo	Dimensions - Dimensioni						Weight - Peso	Tc C°			
	L1	L2	L3	W	H	B1		X	Y	X1	Y1
VEGA 480/1000-10000 FPD IP67	276	260	253	125	39	97	gr. 2650 / 93,4 oz.	-	-	88	27
VEGA 600/6250-12500 12V FPD IP67 **VEGA 600/875-1750 12V FPD IP67**	276	260	250	144	47	97	gr. 3200 / 112,8 oz.	-	-	88	47

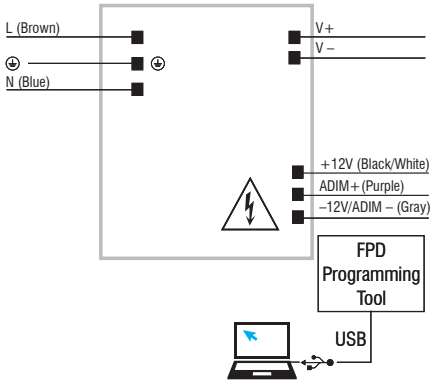
Wiring diagrams - Schemi di collegamento (Max. LED distance at page info8 - Massima distanza LED a pagina info8)



VEGA 600/6250-12500 12V FPD IP67



VEGA 600/875-1750 12V FPD IP67



VEGA 480/1000-10000 12V FPD IP67

Operation Mode

- **FULL PROGRAMMABLE** (**FPD**) devices allow the user to set different parameters without need of switching on the product.
- The **FULL PROGRAMMABLE (FPD)** functions can be set with the **FPD PROGRAMMING TOOL** interface through **0/1...10 V** port.
- Light regulation: 0/10-100% by means of 0/1...10 V local interface.
- The main available features are:
  - **CLO** (Constant Light Output);
  - **MIDNIGHT**: automatic dimming according to programmed parameters;

For additional details for regulations see pages info12-14.

Modalità di funzionamento

- I dispositivi **FULL PROGRAMMABLE (FPD)** permettono all'utente di impostare diversi parametri senza la necessità di accendere il prodotto.
- Le funzioni **FULL PROGRAMMABLE (FPD)** possono essere impostate con l'interfaccia **FPD PROGRAMMING TOOL** tramite porta **0/1...10 V**.
- Regolazione della luminosità: 0/10-100% mediante interfaccia locale 0/1...10 V.
- Le principali caratteristiche disponibili sono:
  - **CLO** (Constant Light Output);
  - **MIDNIGHT**: regolazione automatica secondo i parametri programmati.

Per ulteriori dettagli sulle regolazioni vedi pagine info12-14.