STARLIGHT SUPERIOR

Direct current dimmable electronic drivers
Alimentatori elettronici regolabili in corrente continua

Made in Italy

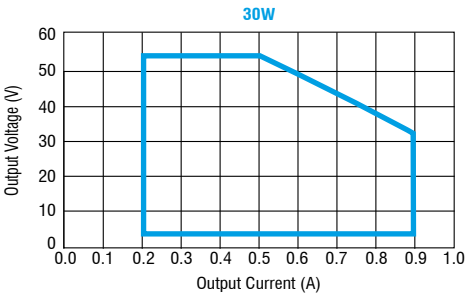
STARLIGHT 30

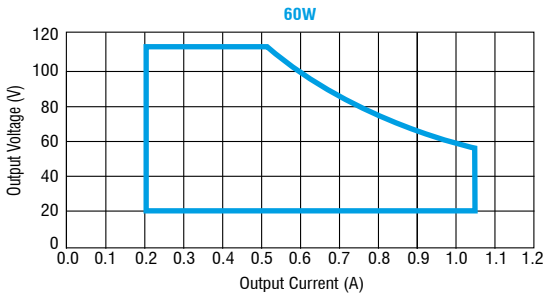
STARLIGHT 60

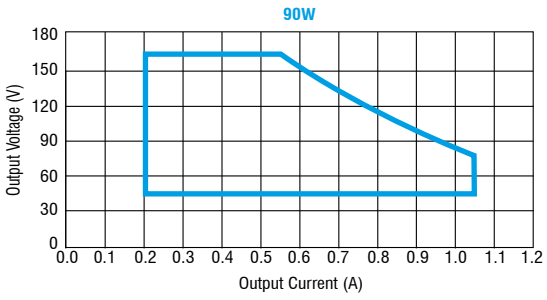
Article Articolo	Code Codice	P out W	V out DC	I out DC	Default I out DC	U out V	ta °C	tc °C	λ max. Power Factor	η max. Efficiency[1]
STARLIGHT 30 200-900 SUPERIOR	142080	1...30	5...54	200...900 mA cost.	700 mA	59	-40...+60	90	0,95 Pout>12W	> 90 %
STARLIGHT 60 200-1050 SUPERIOR	142084	4...60	20...115	200...1050 mA cost.	700 mA	120	-40...+60	90	0,95 Pout>17W	> 92 %
STARLIGHT 90 200-1050 SUPERIOR [3]	142086	10...90	50...165	200...1050 mA cost.	700 mA	190	-40...+55	90	0,95 Pout>25W	> 90 %
STARLIGHT 135 200-1050 SUPERIOR [3]	142088	12...135	62...220	200...1050 mA cost.	700 mA	220	-40...+55	90	0,95	> 90 %

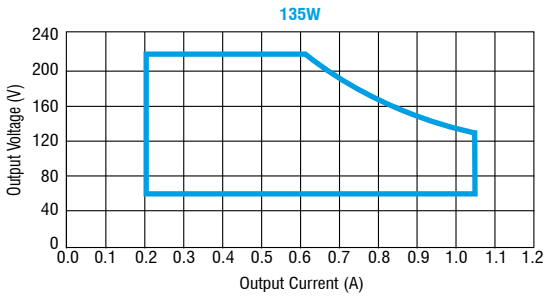
[1] Referred to V_{in} = 230 V, 100% load - Riferito a V_{in} = 230 V, carico 100%

Light output level in DC operation: Programmable 1-100% (factory default =15% EOFi=0.13)
Livello di emissione luminosa in funzionamento DC: Programmabile 1-100% (impostazione di fabbrica =15% EOFi=0.13)









Rated Voltage
Tensione Nominale
220 ÷ 240 V

Frequency
Frequenza
50-60 Hz

AC Operation range
Tensione di utilizzo AC
198 ÷ 264 V

DC Operation range
Tensione di utilizzo DC
(see page info15)
DC 186 ÷ 250 V

Power - Potenza
1 ÷ 135 W

iTHD
≤ 10% [1]

Stand by power
≤ 0,5 W

Output current ripple
≤ 6% [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
(see page info17)
30W: 50 pcs
60W: 28 pcs
90W: 12 pcs
135W: 11 pcs

In rush current
30W: 5A 50µsec
60W: 26A 180µsec
90W: 54A
135W: 65A

Features
- **DALI output voltage 16 V, 52 mA max.**
- **Ultra high input spikes protection up to 10kV.**
- Multipower driver for multiple selections of the output current.
- 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 0,2...1,5 mm²).
- Protections:
  - against overheating and short circuits;
  - against mains voltage spikes;
  - against overloads.
- Thermal protection = C.5.a.

Caratteristiche
- **Tensione di uscita DALI 16 V, 52 mA max.**
- **Elevata protezione contro spike di rete fino a 10kV.**
- Alimentatore multipotenza con selezione multipla della corrente in uscita.
- 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 0,2...1,5 mm²).
- Protezioni:
  - termica e cortocircuito;
  - contro le extra-tensioni di rete;
  - contro i sovraccarichi.
- Protezione termica = C.5.a.

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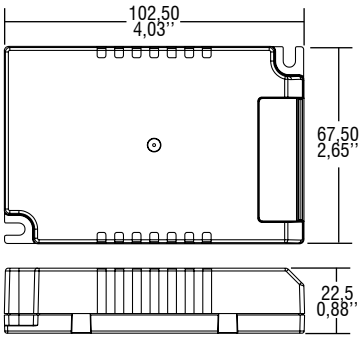
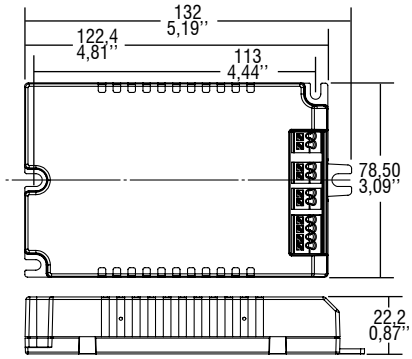
BUILT-IN | SCREW FIXING

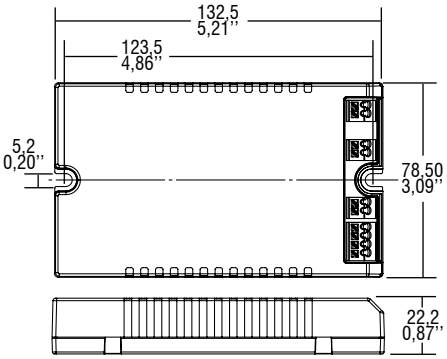
30W



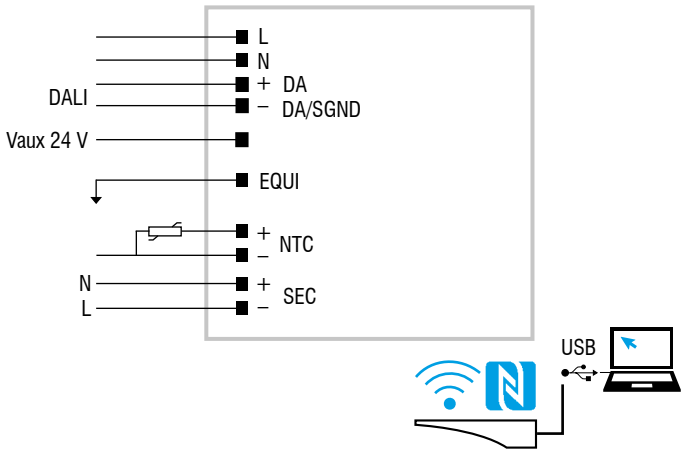
60W



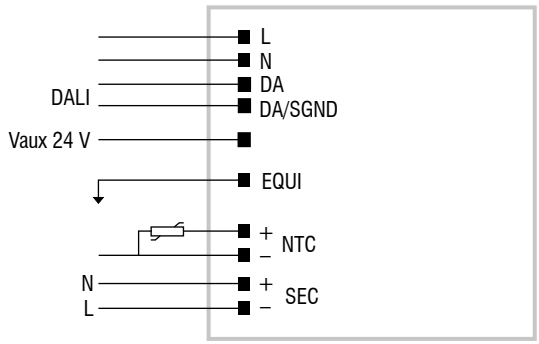
90W / 135W



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



WIRELESS PROGRAMMING diagram
Collegamento per PROGRAMMAZIONE WIRELESS



DALI diagram
Collegamento DALI

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.
- The main available features are:
  - DALI power supply (lock/unlock programming).
  - **MIDNIGHT**: automatic dimming according to programmed parameters;
  - **REDUCTION**: according to programmed parameters;
  - **CLO**: Constant Light Output;
  - **CURRENT**: output current according to programmed parameters;
  - **NTC**: thermal protection and external NTC according to programmed parameters.
- Light regulation 2 - 100 % (minimum output current 20 mA).
- Dimming method is linear.

For additional details for regulations see pages info12-14.

Modalità di funzionamento
- La **PROGRAMMAZIONE WIRELESS** avviene attraverso l'antenna **NFC**.
- Le principali caratteristiche disponibili sono:
  - DALI power supply (abilitare/disabilitare programmazione).
  - **MIDNIGHT**: regolazione automatica secondo i parametri programmati;
  - **RIDUZIONE**: secondo i parametri programmati;
  - **CLO**: Constant Light Output;
  - **CORRENTE**: corrente di uscita secondo i parametri programmati;
  - **NTC**: protezione termica e NTC esterna secondo i parametri programmati.
- Regolazione della luminosità 2 - 100 % (corrente minima d'uscita 20 mA).
- La dimmerazione è di tipo lineare.

Per ulteriori dettagli sulle regolazioni vedi pagine info12-14.

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