

# 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        |
| LINK TO DOWNLOAD PROGRAMMING SOFTWARE<br>LINK PER SCARICARE SOFTWARE DI PROGRAMMAZIONE<br><a href="http://www.tci.it/TCI_tools/VEGA_SOFTWARE_2.0.zip">www.tci.it/TCI_tools/VEGA_SOFTWARE_2.0.zip</a> |               |



## 4.4

High power programmable

### Rated Voltage Tensione Nominale

100 ÷ 200 V<sup>(5)</sup>  
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%<sup>(1)</sup>  
≤ 15%<sup>(4)</sup>

### Stand by power

≤ 0,5 W

### Output current ripple

≤ 5%<sup>(1)</sup>

### 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

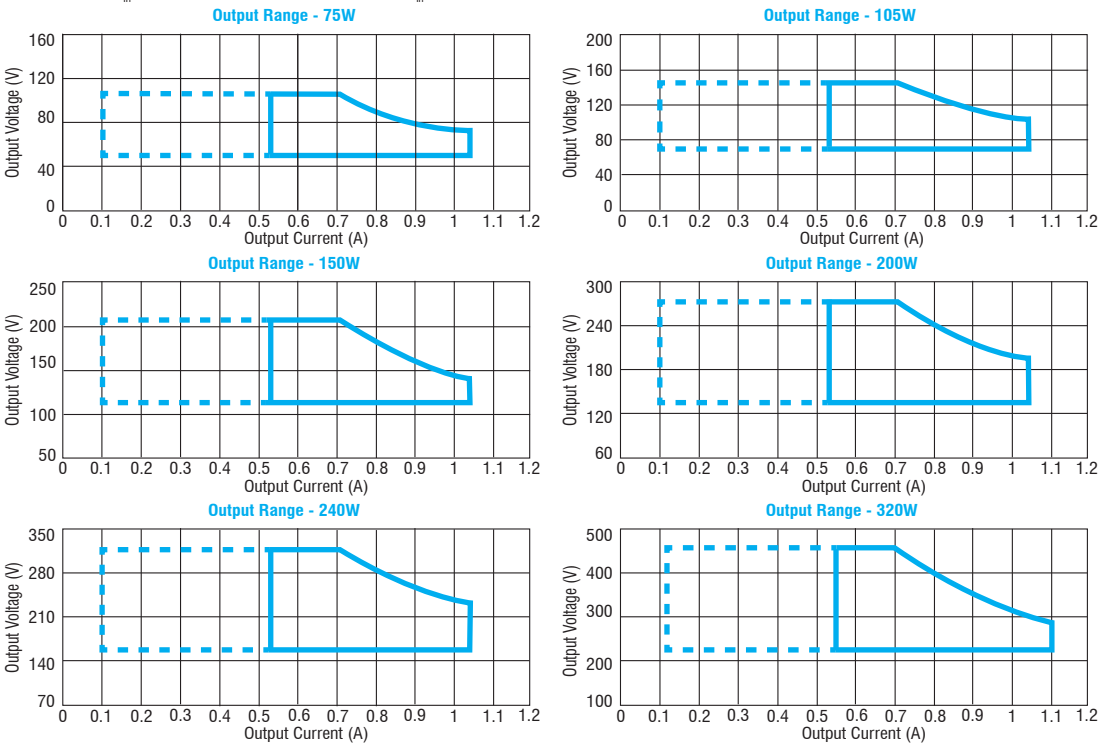
### In rush current

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

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

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

<sup>(2)</sup> Referred to V<sub>in</sub> = 100-200 V, 100% load - Riferito a V<sub>in</sub> = 100-200 V, carico 100%



### Features

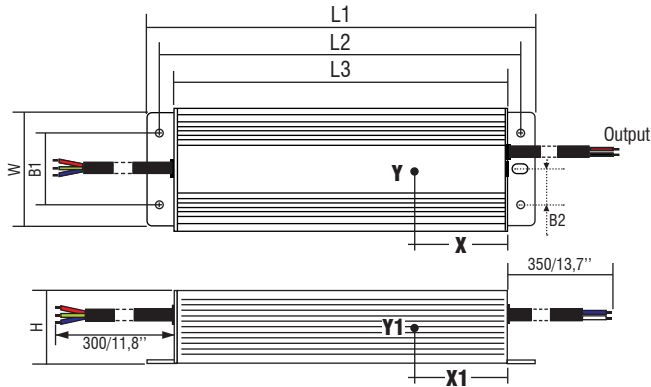
- Independent driver with case IP67 (see page info7 for the correct connection of connecting leads/tails).
- Class I protection against electric shock for direct or indirect contact.
- Active Power Factor Corrector.
- Current regulation ±5 % including temperature variations.
- Supplied with connecting 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 connessione).
- 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

Direct current dimmable electronic drivers  
Alimentatori elettronici regolabili in corrente continua



| Article<br>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)

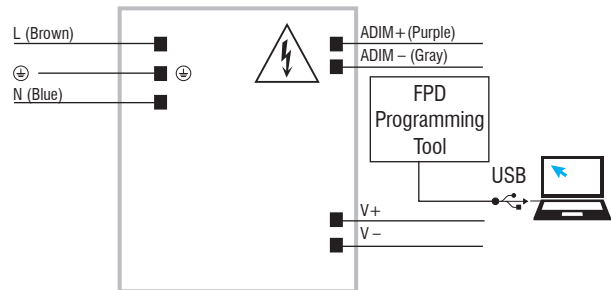
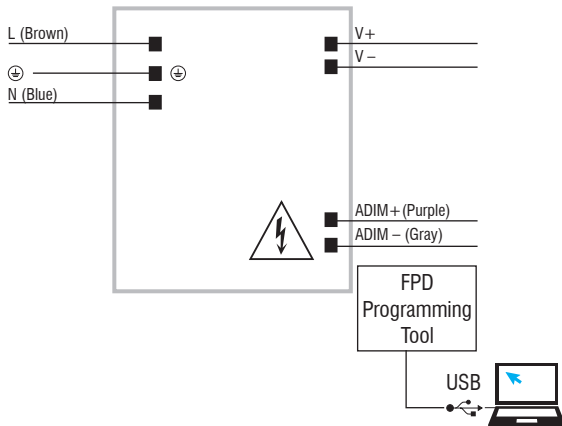


Diagram for 320 W - Collegamento per 320 W

### 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.