

# F / POWER LED DRIVER

## VIRGO

**Input:** 220-240 V 50/60 Hz

**Output:** 12/24 V 35/62 W



### CARATTERISTICHE

Made in Italy	5 anni di garanzia
Tensione costante	Durata > 50.000h
Per uso interno ed esterno	Assenza di sfarfallio
Rivestimento in resina epossidica (brevettato)	Dimmerabile con accessori esterni
Protezione Surge (linea-neutro) fino a 2kV	Basso ripple in uscita
	PFC integrato



IP68 - SELV - RoHS

Adatto per strisce e moduli LED, in applicazioni lighting e signage

Articolo Codice	AC INPUT				DC OUTPUT			
	Tensione ingresso Vac Hz	Efficienza %	Corrente di spunto (max) A	Corrente di ingresso (max) A	Tensione uscita (± 2.5%) Vdc	Corrente uscita A <sub>dc</sub>	Ripple uscita (max) mV <sub>pp</sub>	Potenza uscita max W
VIRGO 35W 12V IP68 FD2D2Z82	220-240 50/60	>86	20	0.25	<b>12</b>	2.92	<500	<b>35</b>
VIRGO 35W 24V IP68 FD2D3Z82	220-240 50/60	>86	20	0.25	<b>24</b>	1.46	<500	<b>35</b>
VIRGO 62W 12V IP68 FD2F2Z82	220-240 50/60	>88	20	0.35	<b>12</b>	5.2	<500	<b>62</b>
VIRGO 62W 24V IP68 FD2F3Z82	220-240 50/60	>88	20	0.35	<b>24</b>	2.6	<500	<b>62</b>

Sicurezza & EMC	
EMC	EN 55015
	EN IEC 61000-3-2 EN61000-3-3
	EN 61547
Standard Sicurezza	EN 61347-1 EN 61347-2-13
Grado IP	EN 60529
RoHS	EN IEC 63000
Classe Isolamento	Classe II

Protezioni	
Sovraccarico (OLP)	115-130% spegnimento con riavvio automatico
Corto Circuito (SCP)	Spegnimento con riavvio automatico
Sovratensioni (OVP)	Spegnimento con riavvio automatico
Termica (OTP)	Spegnimento con riavvio automatico

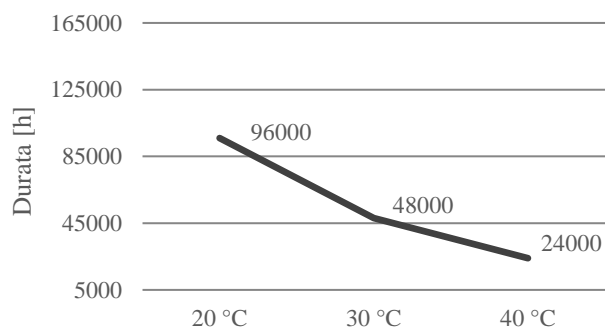
Articolo Codice	Dimensioni mm Lung x Larg x Alt Pezzo Imballo	Peso Kg Pezzo Imballo	Temperatura di lavoro °C	Temperatura di stock °C	Umidità (senza condensa) %	Fattore di Potenza λ	Consumo a vuoto W	Grado IP
VIRGO 35W 12V IP68 FD2D2Z82	220 x 33 x 28 290 x 58 x 35	0.43 0.47	-15 ÷ +55	-40 ÷ +80	5-90	>0.95	0.3 typ.	IP68
VIRGO 35W 24V IP68 FD2D3Z82	220 x 33 x 28 290 x 58 x 35	0.43 0.47	-15 ÷ +55	-40 ÷ +80	5-90	>0.95	0.3 typ.	IP68
VIRGO 62W 12V IP68 FD2F2Z82	220 x 33 x 28 290 x 58 x 35	0.45 0.49	-15 ÷ +55	-40 ÷ +80	5-90	>0.95	0.3 typ.	IP68
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TIPO CONNESSIONE	Identificativo connessione	Colore	Funzione
Ingresso	L	Marrone	Ingresso fase CA. Sezione 1 mm <sup>2</sup>
Ingresso	N	Blu	Ingresso neutro CA. Sezione 1 mm <sup>2</sup>
Uscita	-	Black	SELV polo negativo. Sezione 1 mm <sup>2</sup>
Uscita	+	Red	SELV polo positivo. Sezione 1 mm <sup>2</sup>

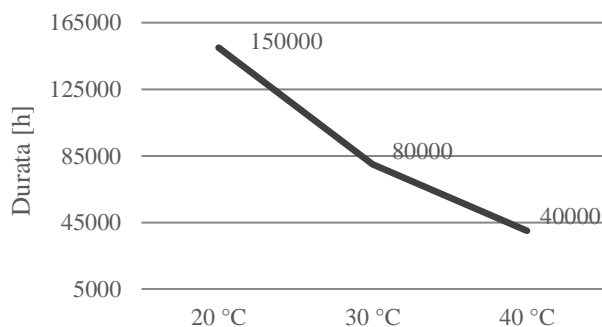
### DURATA E CURVA DI DECLASSAMENTO

La durata è indicativa e non rappresenta alcun reclamo di garanzia.

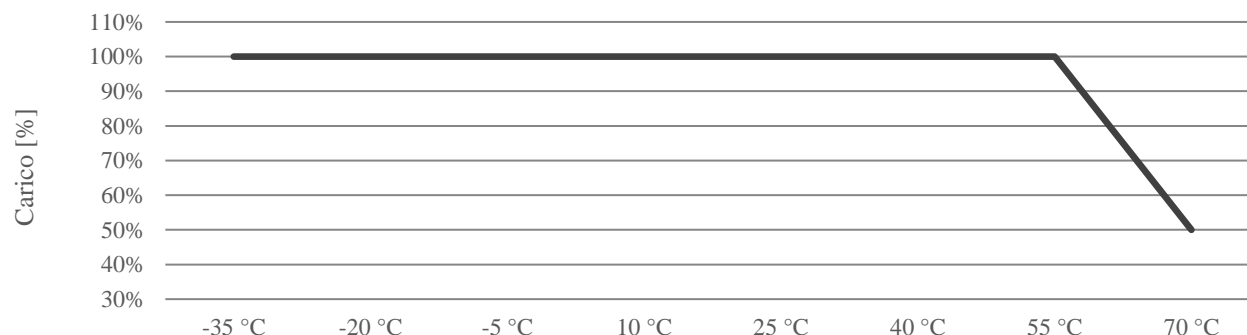
Durata vs T ambiente @ pieno carico



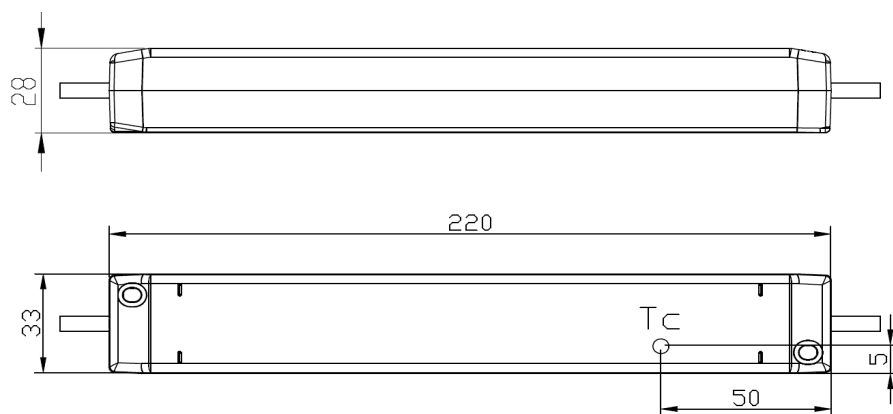
Durata vs T ambiente @ 70% carico



Curva di declassamento: Carico vs Temperatura



### DIMENSIONI (mm)



### IMBALLO

Gli articoli sono imballati singolarmente. Imballo multiplo da 10 pezzi in scatola di cartone.

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## VIRGO

**Input:** 220-240 V 50/60 Hz

**Output:** 12/24 V 35/62 W



### FEATURES

- Made in Italy
- Constant voltage
- Indoor & Outdoor use
- Epoxy resin case (patented)
- Surge protection (line-neutral) up to a 2kV
- 5 years warranty
- Lifetime > 50.000h
- Flickering free
- Dimmable with external accessories
- Very low output ripple
- PFC Built-in



IP68 - SELV - RoHS

Suitable for LED stripes and modules, for signs and lighting

Item Code	AC INPUT				DC OUTPUT			
	Mains Vac Hz	Efficiency %	Inrush current (max) A	Input current (max) A	Output voltage (± 2.5%) Vdc	Output current A <sub>dc</sub>	Output ripple (max) mV <sub>pp</sub>	Output power (max) W
VIRGO 35W 12V IP68 <i>FD2D2Z82</i>	220-240 50/60	>86	30	0.25	<b>12</b>	2.92	<500	<b>35</b>
VIRGO 35W 24V IP68 <i>FD2D3Z82</i>	220-240 50/60	>86	30	0.25	<b>24</b>	1.46	<500	<b>35</b>
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Safety & EMC	
EMC	EN 55015
	EN IEC 61000-3-2 EN61000-3-3
	EN 61547
Safety Standard	EN 61347-1 EN 61347-2-13
IP	EN 60529
RoHS	EN IEC 63000
Insulation Class	Class II

Protection	
Over load (OLP)	115-130% switch off with auto-recovery
Short circuit (SCP)	Switch off with auto-recovery
Over voltage (OVP)	Switch off with auto-recovery
Over Temperature (OTP)	Switch off with auto-recovery

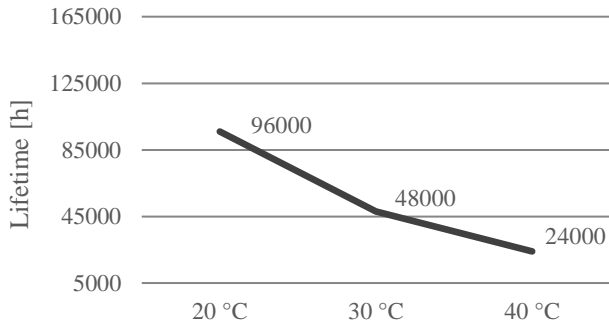
Item Code	Dimensions mm L x W x H Piece Box	Weight Kg Piece Box	Working temperature °C	Storage temperature °C	Humidity (without moisture) %	Power factor λ	Min/Idle-status consumption W	Case Protection
VIRGO 35W 12V IP68 <i>FD2D2Z82</i>	220 x 33 x 28 290 x 58 x 35	0.43 0.47	-15 ÷ +55	-40 ÷ +80	5-90	>0.95	0.3 typ.	IP68
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CONNECTION	Connection Name	Color	Function
Input	L	Brown	Line input from AC power mains. Section 1 mm <sup>2</sup>
Input	N	Blue	Neutral input from AC power mains. Section 1 mm <sup>2</sup>
Output	-	Black	SELV negative polarity. Section 1 mm <sup>2</sup>
Output	+	Red	SELV positive polarity. Section 1 mm <sup>2</sup>

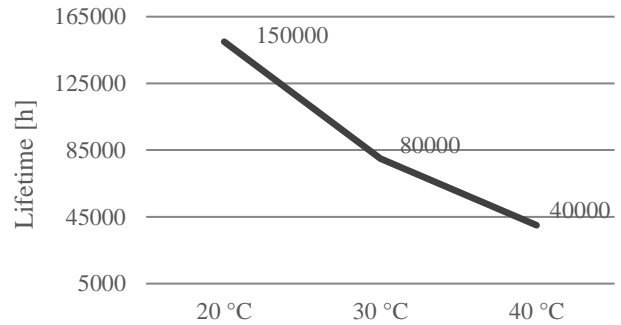
### LIFETIME & DERATING CURVE

Lifetime declarations are indicative and represent no warranty claim.

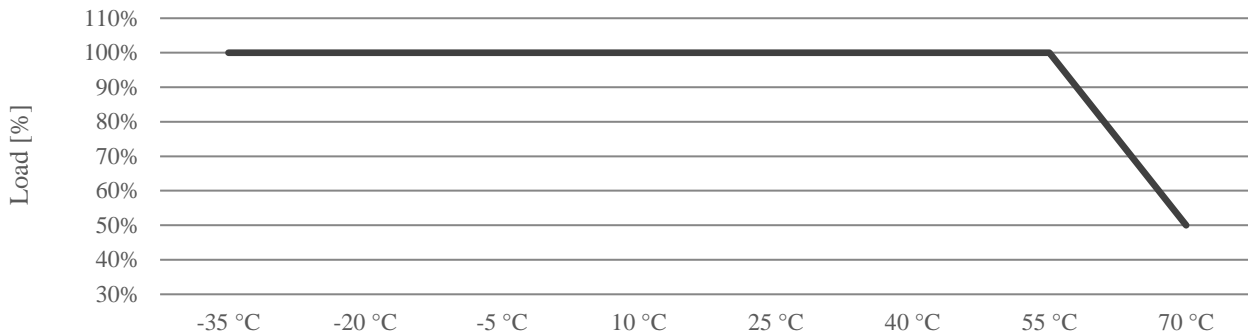
Lifetime vs T ambient @ full load



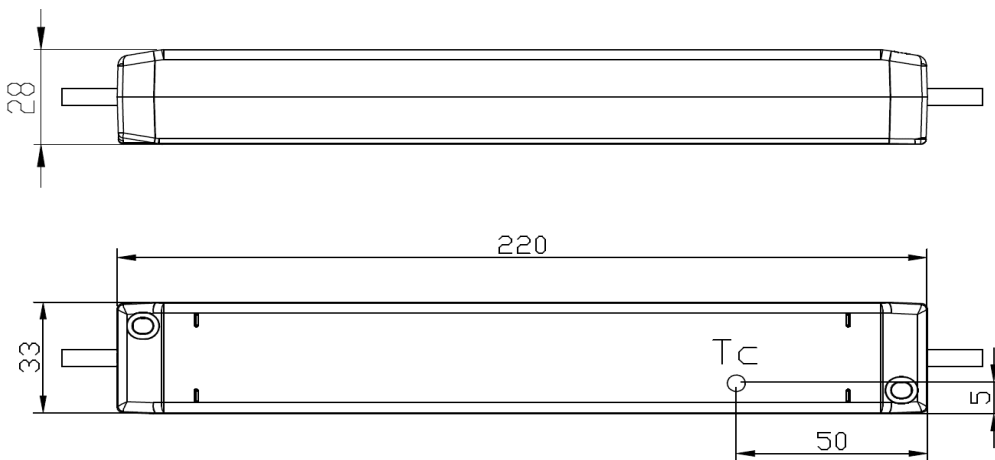
Lifetime vs T ambient @ 70% load



Derating curve: Load vs T ambient



### DIMENSIONS (mm)



### PACKAGING

Items are single boxed. Multiple packaging: 10 pcs in carton box.