

F / POWER LED POWER SUPPLY

VIRGO

Input: 220-240 V 50/60 Hz

Output: 12/24 V 30/60 W

FEATURES

Made in Italy	5 years warranty
Constant voltage	Lifetime > 40.000h
Indoor & Outdoor use	Flickering free
Epoxy resin case (patent pending)	Dimmable with external accessories
Surge protection (line-line) up to a 1kV	Very low output ripple
	Compact size



IP68 – SELV – RoHS

Suitable for LED stripes and modules for signs

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 _{dc}	Output ripple (max) mV _{pp}	Output power (max) W
VIRGO 30W 12V IP68 FD2C2Z80	220-240 50/60	>85	30	0.3	12	2.5	500	30
VIRGO 60W 12V IP68 FD2F2Z80	220-240 50/60	>85	30	0.6	12	5	500	60
VIRGO 60W 24V IP68 FD2F3Z80	220-240 50/60	>85	30	0.6	24	2.5	500	60

Safety & EMC	
EMC	EN 55015 EN 61000-3-2 EN61000-3-3 EN 61547
Safety Standard	EN 61347-1 EN 61347-2-13
IP	EN 60529
RoHS	EN 50581
Insulation Class	Class II equivalent

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

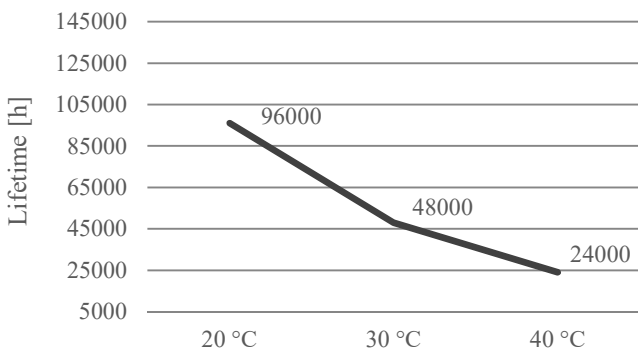
Item Code	Dimensions mm L x W x H Piece Box	Weight Kg Piece Box	Working temperature °C	Storage temperature °C	Humidity (without moisture) %	Power factor λ	Min/Idle-status consumption W	Case Protection
VIRGO 30W 12V IP68 FD2C2Z80	220 x 33 x 27 290 x 58 x 35	0.43 0.47	-30 ... +50	-40 ... +80	5-90	>0.55	0.5 typ.	IP68
VIRGO 60W 12V IP68 FD2F2Z80	220 x 33 x 27 290 x 58 x 35	0.45 0.49	-30 ... +50	-40 ... +80	5-90	>0.55	0.5 typ.	IP68
VIRGO 60W 24V IP68 FD2F3Z80	220 x 33 x 27 290 x 58 x 35	0.45 0.49	-30 ... +50	-40 ... +80	5-90	>0.55	0.5 typ.	IP68

CONNECTION	Connection Name	Color	Function
Input	L	Brown	Line input from AC power mains. Section 1 mm ²
Input	N	Blue	Neutral input from AC power mains. Section 1 mm ²
Output	-	Black	SELV negative polarity. Section 1 mm ²
Output	+	Red	SELV positive polarity. Section 1 mm ²

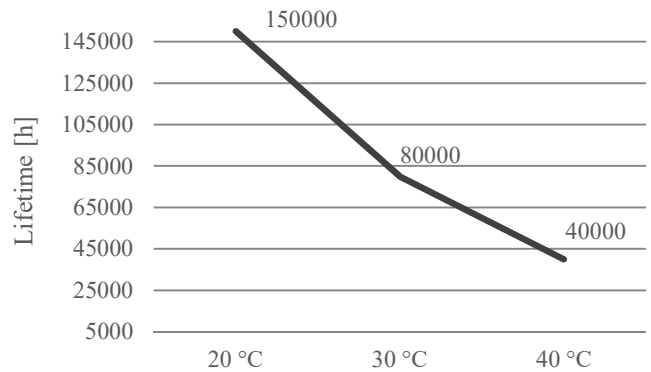
LIFETIME & DERATING CURVE

Lifetime declarations are indicative and represent no warranty claim.

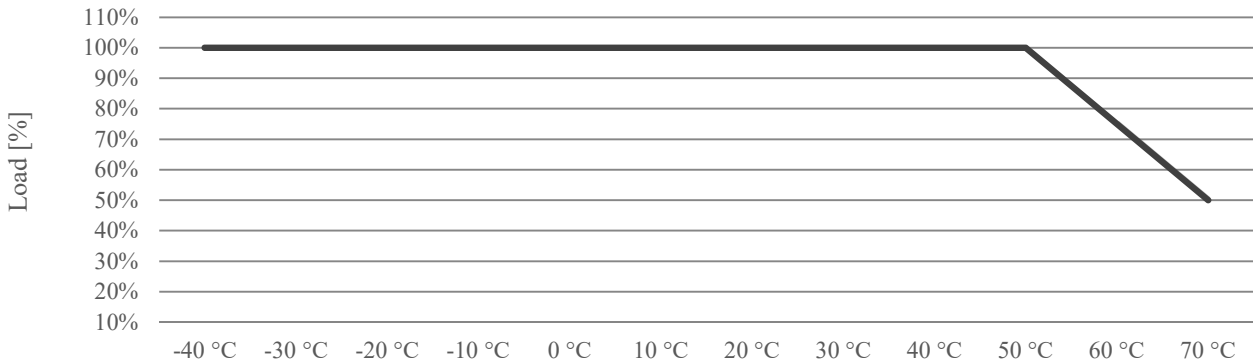
Lifetime vs T ambient @ full load



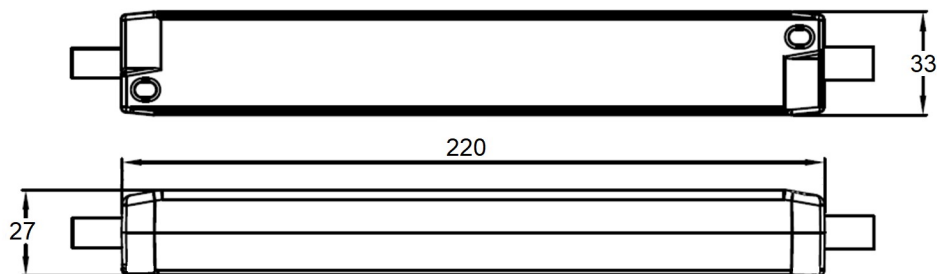
Lifetime vs T ambient @ 70% load



Derating curve: Load vs T ambient



DIMENSIONS (mm)



PACKAGING

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

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