

Model: GP-THxxx-27 Series (9W/230V)

9W AC Dimmable LED Power Supply; 230VAC for High Power LED Lighting Source

Features

- Input Range from 230VAC ± 10%.
- Work With Leading Edge and Trailing Edge Dimmers.
- With Power Factor Correction function: PF > 0.9
- Compact Lightweight in Plastic Case.
- Designed for Indoor Application.
- Protections: Short-Circuit / Over Load.

Approvals



Size

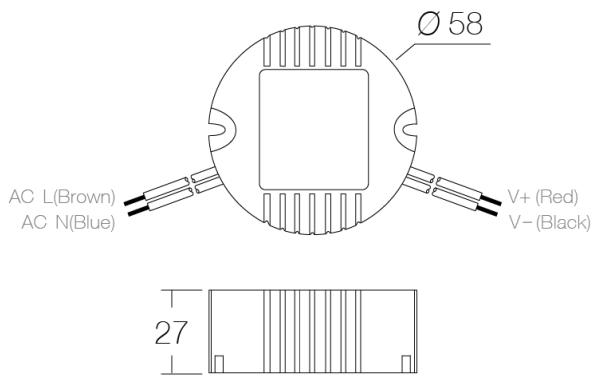
Φ58 * 27 mm



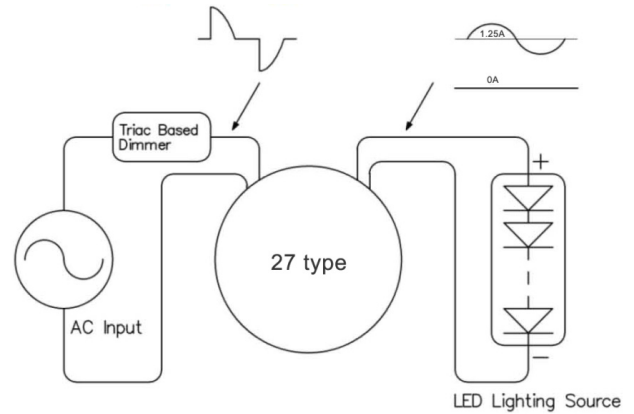
Specifications

Model No.		GP-TH7512-27	GP-TH3724-27	GP-TH2536-27
Output	Voltage Range (VDC)	7-12VDC	18-24VDC	18-36VDC
	Ripple & Noise (max.)	3Vp-p	3Vp-p	3Vp-p
	Rated Current Range (mA)	750mA ± 6%	370mA ± 6%	250mA ± 6%
	Rated Power (W)	9W Max	9W Max	9W Max
	Efficiency (Typ.)	72%	79%	79%
Input	Voltage Range (VAC)	230VAC ± 10%		
	Frequency Range (Hz)	50 Hz		
	AC Current	0.2A		
	THD (Total Harmonic Distortion)	Less than 20% at full load		
	Max. Inrush Current	< 15A		
	Leakage Current	<1mA / 230VAC		
	Available Dimmers	Standard Light Switches. Triac based Incandescent Dimmers (Standard phase - leading edge). Electronic Low Voltage Dimmers (Reverse Phase - trailing edge).		
Environment	Operating Temp.	-20°C ~ + 40°C full load .		
	Operating Humidity	20% ~ 95% RH non-condensing.		
	Storage Temp. / Humidity	-20 ~ +80°C / 10% ~ 95% RH		
	Ambient Temp.	25°C at 230VAC		
	MTBF	>100,000 Hours at full load and 25°C ambient conditions(MIL-HDBK-217F)		
Safety Approval	Safety Standards	CE		
Others	Dimension(L x W x H)	Φ58 x 27mm; 138g/pcs		

Mechanical Specification



Wiring Diagram



Dimmer Recommended

Brand	Parts NO.
DUWI	ET1 53850
BUSCH JAEGER	U-102
HPM	400T

NOTES:

1. AC-Dimming series, a new AC/DC LED driver that operates directly from AC line dimmer and provides an isolated, Class 2 low voltage constant current to properly drive the LED luminaries.
2. Lamps must be wired in series, and total value of Vf should be under rated DC Voltage.
3. Disconnect the mains supply before installing, do not turn on/off from output port.
4. Parameter measured at full load 25°C ambient temperature.
5. Under direct driving, the power supply will work in "constant current mode (CC)" and output voltage of the power supply will be clamped by sum of forward voltage (V) of the LED strip