

Model: GP-TLxxxx-15 Series (120V)

Dimmable LED Drivers - 350mA & 470mA & 700mA & 1120mA & 1250mA for Triac & Electronic Low Voltage Dimmers

Features

- Input Range from 120VAC ± 10%.
- Operates with Industry Standard Dimmers, Triac & Electronic Low Voltage Dimmers.
- PFC to Reduce Power Consumption.
- Compact Lightweight in Plastic Case.
- Designed for Indoor Application.
- Waterproof Packaging: IP65 for Dry and Wet Location.
- Tc Point Measured, Max Case Temperature: 70°C.
- Protections: Short-Circuit / Over Load / Over Heat and Auto-Recovery Mode.

Approvals



Size

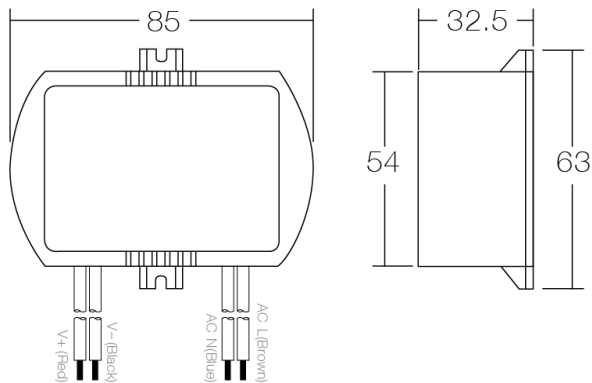
85 * 63 * 32.5 mm (L*W*H)



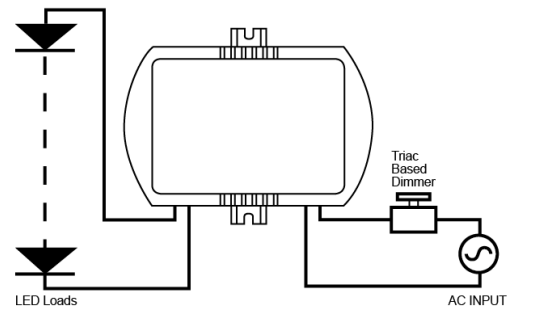
Specifications

Model No.		GP-TLA212-15	GP-TLA115-15	GP-TL7024-15	GP-TL5036-15	GP-TL3548-15
Output	Voltage Range(VDC)	8~12VDC	10~15VDC	16~24VDC	24~36VDC	30~48VDC
	Ripple & Noise (max.)	2Vp-p	2Vp-p	2.4Vp-p	3Vp-p	4Vp-p
	Line Regulation	±3%	±3%	±3%	±3%	±3%
	Load Regulation	±5%	±5%	±5%	±5%	±5%
	Rated Current Range (mA)	1250mA ± 6%	1120mA ± 6%	700mA ± 6%	470mA ± 6%	350mA ± 6%
	Rated Power (W)	15W Max	16.8W Max	16.8W Max	16.8W Max	16.8W Max
	Efficiency (Typ.)	79%	80%	81.5%	82.5%	79%
	Hold up time	Half cycle minimum at 120VAC and 80% of rated.				
Input	Voltage Range (VAC)	120VAC ± 10%				
	Frequency Range (Hz)	60 Hz				
	THD (Total Harmonic Distortion)	Less than 20% at full load				
	Max. Inrush	< 20A				
	Leakage Current	<1mA / 120VAC				
	Available Dimmers	<ul style="list-style-type: none"> • Standard Light Switches • Triac based Incandescent Dimmers (Standard phase - leading edge) • Electronic Low Voltage Dimmers (Reverse Phase - trailing edge) 				
Environment	Operation Temp.	-20°C~+70°C full load.				
	Operation Humidity	20% ~ 95% RH non-condensing.				
	Storage Temp. /Humidity	-20 ~ +80°C / 10% ~ 95% RH.				
	Ambient Temp.	25°C at 120VAC				
	Vibration Frequency	5 to 50 HZ				
	MTBF	>100,000 Hours at full load and 25°C ambient conditions (MIL-HDBK-217F)				
Safety Approval	Safety Standards	UL, cUL 1310 Class 2				
Others	Dimension(L x W x H)	85 x 63 x 32.5mm; 232g/pcs				

Mechanical Specification



Wiring Diagram



- ◆ 1250mA/12V/15W MAX
 - ◆ 1050mA/15V/16.8W MAX
 - ◆ 700mA/24V/16.8W MAX
 - ◆ 470mA/36V/16.8W MAX
 - ◆ 350mA/48V/16.8W MAX
- ◆ 120V/60Hz

Dimmer Recommended Chart

Manufacturer

LUTRON
LUTRON
LUTRON
LEVITON
LEVITON

Dimmer Model

SKYLARK SELV-300P
DIVA DVLV-600P
DIVA DV600P
SURESLIDE 6631
TRIMATRON 6681

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.