

Model: GP-CVP040N Series (40W/120V)

40W Constant Voltage LED Driver with Triac Dimming

■ Features

- AC phase-cut dimming
- Input Range from 108VAC to 132VAC.
- Constant Voltage design. (C.V mode)
- Work with leading edge and trailing edge TRIAC dimmers.
- Fully Potted suitable for dry and damp location applications.
- Protections: Over current / Short Circuit /Over Voltage/Over Temperature.
- IP65 Design For Indoor or Outdoor Installations.
- Appropriate for LED strips appliance.
- 2 Years Warranty.
- RoHS Compliant.

■ Approvals



■ Size

107.5 x 43.5 x 32 mm (L x W x H)

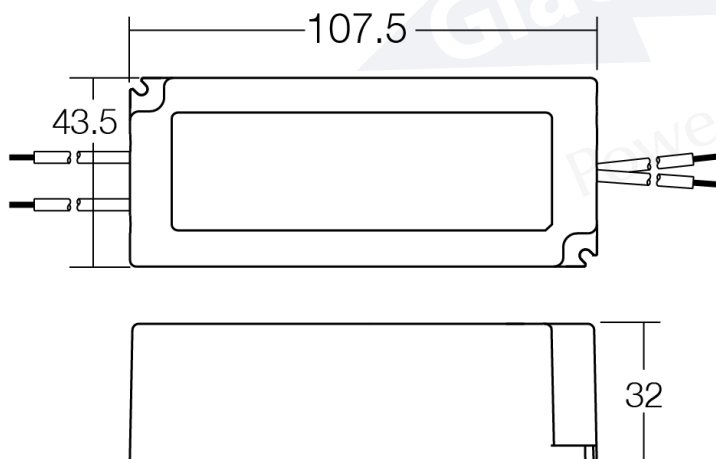


■ Specifications

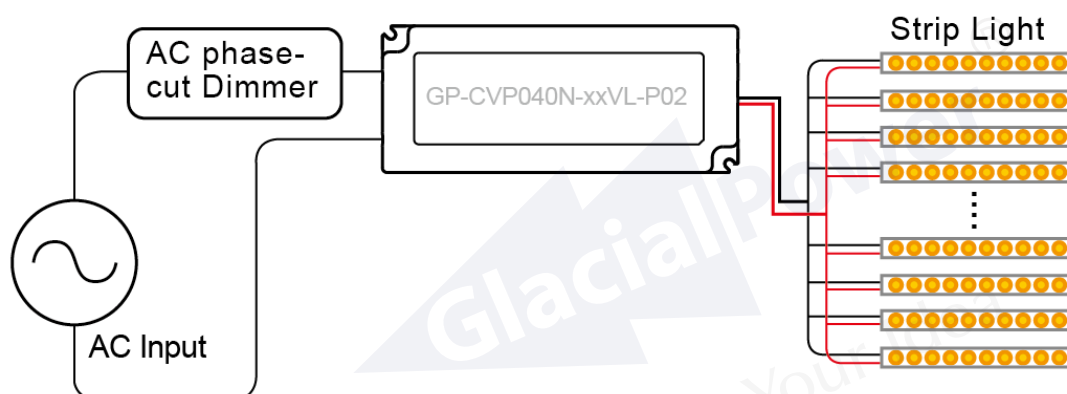
Model No.		GP-CVP040N-12VL-P02	GP-CVP040N-24VL-P02
Output	Voltage Range	12VDC	24VDC
	Ripple & Noise (Max.) note.2	0.5Vp-p	0.6Vp-p
	Voltage Tolerance	± 5%	± 5%
	dimming Range	5%~100%	5%~100%
	Rated Current	3.4A	1.7A
	Rated Power	40.8W	40.8W
	Efficiency (Typ.) note.1	82%	84%
	Set up Time (Max)	0.5S / 120VAC at full load	
Input	Rated Voltage	120VAC	
	Voltage Range	108~132VAC	
	Frequency	50/60 Hz	
	AC Current (Max.)	0.76A at 120VAC	
	Power Factor	> 0.5 at 120Vac with full load.	
	Inrush Current (Typ.)	Cold Start 55A at 120VAC	
	Leakage Current (Typ.)	<1mA / 120VAC	
Protections	Over Voltage	110% - 150% Output voltage limiting, auto-recovery	
	Over Current	110% - 150% Constant current limiting, auto-recovery	
	Over Temperature	110°C - 120°C Temperature limiting, auto-recovery	
	Short Circuit	Hiccup mode, recovers automatically after fault condition is removed	
Environment	Operation Temp.	-20°C ~50°C (Refer to output load derating curve)	
	Operation Humidity	20% ~ 90% RH non-condensing.	
	Storage Temp.	-20 ~ +80°C	
	Storage Humidity	10% ~ 90% RH	
Safety & EMC	Safety Standards	UL8750	
	Withstand Voltage	I/P - O/P : 1.25K VAC	
	Isolation Resistance	I/P-O/P : 100M ohms / 500VDC at 25°C	
	EMC Standards note.3	meet FCC PART15 CLASSB	
Others	MTBF	100K hours min. @Ta=25°C	
	Dimension (L x W x H)	107.5 * 43.5 * 32 mm; 240g/pcs	

Note

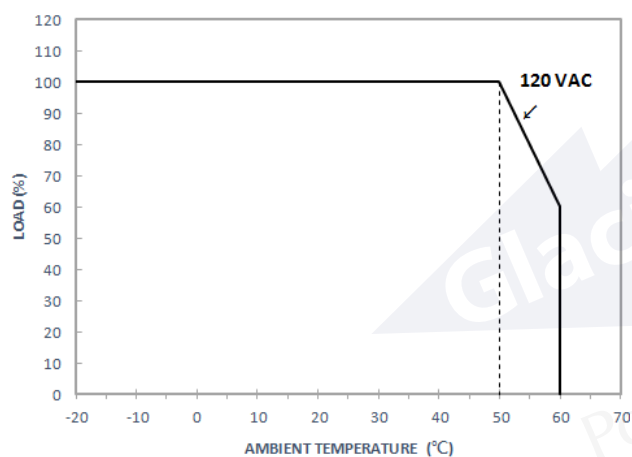
1. All parameters NOT specially mentioned are measured at 120V/60HZ AC input, rated load and 25°C ambient temperature.
2. Ripple & Noise are measured at 20MHZ bandwidth oscilloscope and with 0.1uf & 47uf parallel capacitor at 100% duty output
3. The power supply is considered a component which will be installed a final equipment.
The final equipment must be re-confirmed that it still meets EMC directives.

■ Mechanical Specification

■ Dimmer Recommended

Brand	Parts NO.
LUTRON	SKYLARK SELV-300P-AL
LUTRON	Diva DVELV--300P-AL
LUTRON	Diva DV-603
LUTRON	Dvia DVCL-153P
LUTRON	SKYLARK S-300P

■ Wiring Diagram


■ Derating Curve



■ Static Characteristics

