

■ Features

- Power Rating: 36W
- Input Voltage: 90-264Vac
- Constant voltage design
- Output current (0-3000mA)
- Efficiency to 85%
- Class II Power Design without earth pin
- OCP, OTP, OVP, and SCP
- UL/cUL (Pending)
- IP67
- No Load Consumption <0.5W at 230Vac
- 5-year warranty



*Product images are for illustrative purposes only and may vary from actual design.

■ Application

- Indoor & Outdoor Applications

■ Model List* (See part number scheme for model number details)

Model Number	Input Voltage Range	Output Power	Output Voltage	Output Current Min.	Output Current Max.	Efficiency	Certification
LGUV-036S012PS	90-264Vac	36W	12V	0mA	3000mA	83%@230Vac	UL/cUL
LGUV-036S024PS	90-264Vac	36W	24V	0mA	1500mA	85%@230Vac	UL/cUL

■ Technical Data

Rated Input Voltage	100-240Vac(typ.)
Input voltage range	90-264Vac
Frequency Range	47-63Hz
AC Current (Max.)	1A @115Vac, and 0.5A @230Vac
Inrush Current (Max.)	<30A @115Vac, <60A @230Vac
Voltage Tolerance	±5%
Ripple & Noise (Max.) note 2	180mVp-p(12V), 240mVp-p(24V)
Efficiency (Min.)	83%(12V), 85%(24V)@230Vac
Set up Time (Max.)	<1S@115Vac, <0.5S@230Vac full load
Leakage Current	<0.25mA @240Vac
No Load Consumption	<0.5W @230Vac
Over Current Protection	110%-150% constant current limiting, auto recovery
Short Circuit Protection	Hiccup mode, recovers automatically after fault condition is removed
Over Temperature Protection	Shut down o/p voltage, recovers automatically after temperature goes down.
Over Voltage Protection	13-18V(12V), 29-33V(24V), Protection type: Shut down o/p voltage, recovers automatically after voltage goes down.
Operating Temperature	-20°C to 40°C
Operation Humidity	20% to 90% RH non-condensing

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■ Technical Data(cont.)

Storage Temp. & Humidity	-20°C to +80°C, 10% - 90% RH
No Load Power Consumption	< 0.5W @230Vac
Input Connection	UL rated, 18 AWG x 2 C (150 mm)
Output Connection	UL rated, 18 AWG x 2 C (150 mm)
MTBF	100K hours min.
Dimensions	110x35x25mm
Weight	155g

Notes:

1. All parameters NOT specifically mentioned are measured at 230Vac input, rated load and 25C ambient temperature.
2. Ripple & Noise are measured at 20MHZ bandwidth oscilloscope and with 0.1uF & 47uF parallel capacitor.

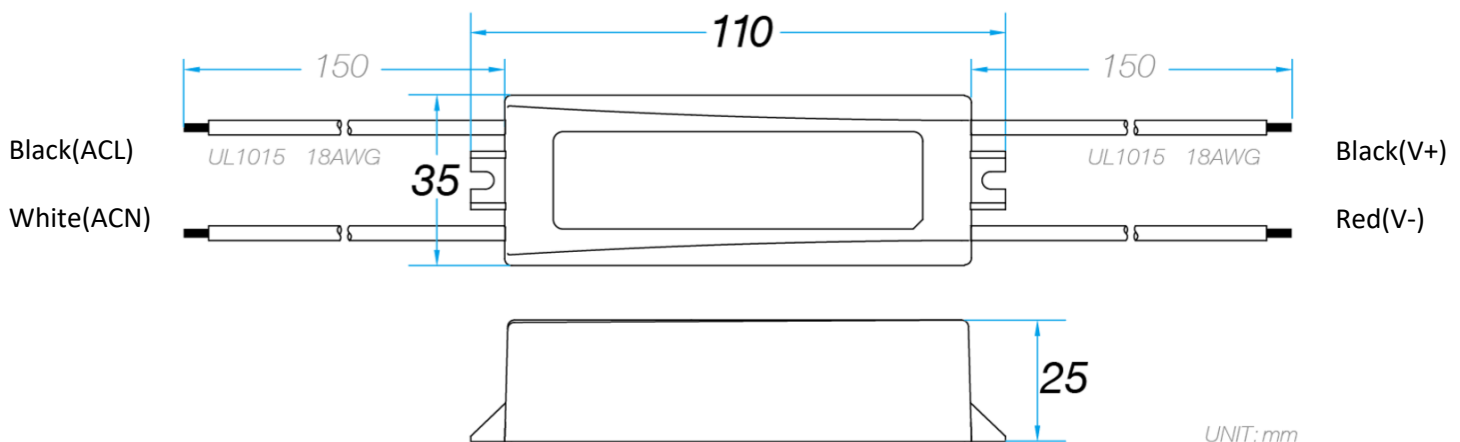
■ Safety Compliance

Safety Standards	EN61347-1, EN61347-2-13; UL/cUL (Pending)
Withstand Voltage	I/P – O/P: 3.75K Vac
Isolation Resistance	I/P – O/P: 100M ohms / 500Vdc @25°C
EMI Conduction & Radiation	Meet Compliance to EN55015; Fcc Part 15 Class B
EMS Immunity	Meet Compliance to EN61000-4-2,3,4,5,6,11; EN61547, EN61000-3-2 Class C

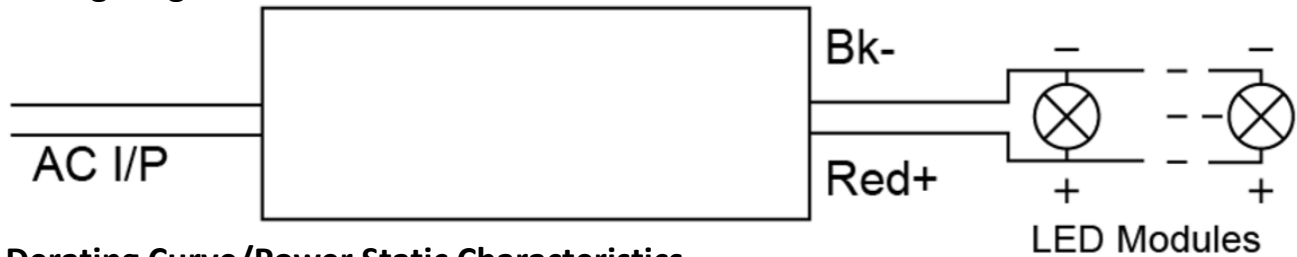
Disclaimer:

Autec Power Systems' (Autec) LED Drivers are Hi-Pot tested during the manufacturing process. Autec assumes no responsibility for secondary Hi-Pot testing at customer location or designated production line(s). Should customer require further Hi-Pot testing, at their own production line, following assembly of the LED Driver into the customer's assembled fixture, Autec requests advance notice. This request must be communicated to Autec in a timely manner and is recommended to be requested at time of issuing each purchase order.

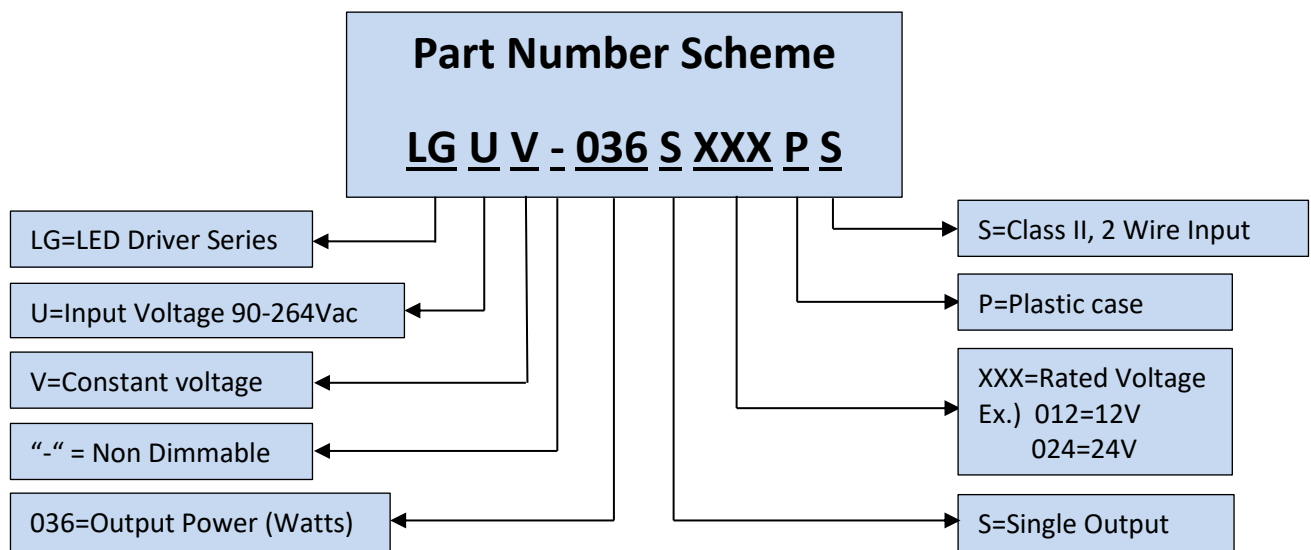
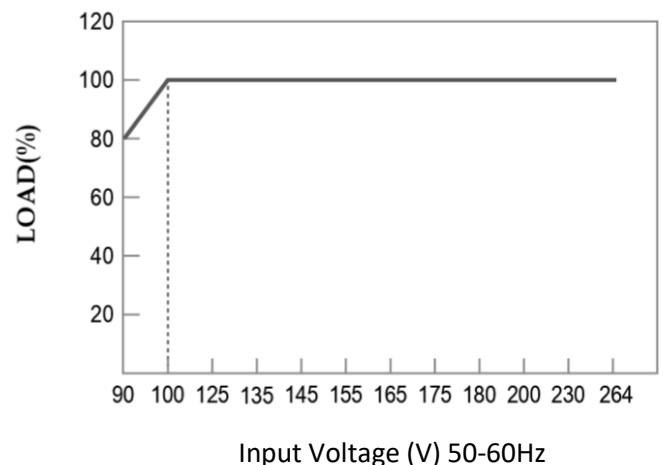
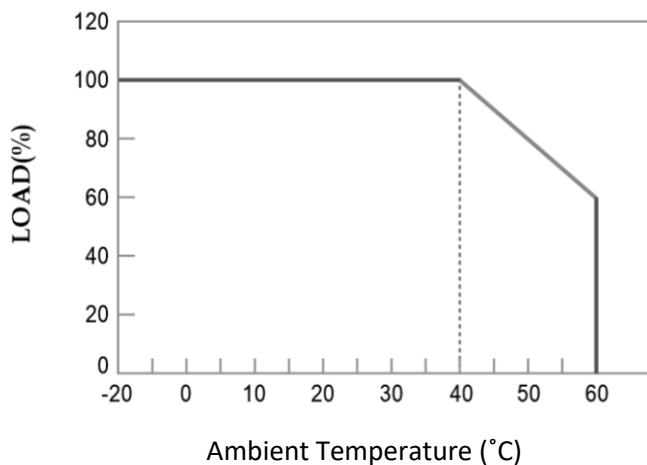
■ Mechanical Diagram



■ Wiring Diagram



■ Derating Curve/Power Static Characteristics



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***Specifications are subject to change without notice. Autec is not responsible for issues arising from errors or omissions.**

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