Semper Fi Power Supply Inc.
Only The Best Will Do!

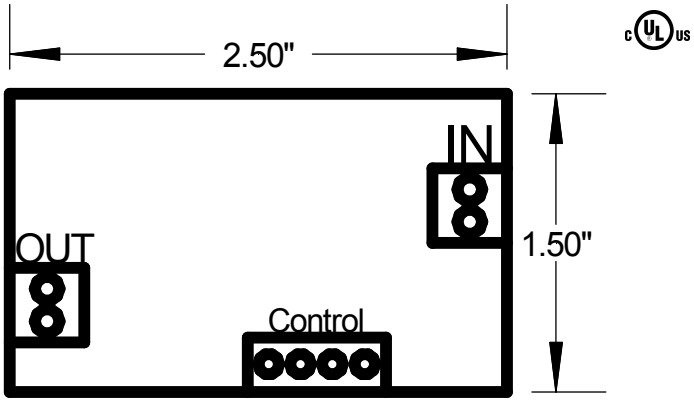
RPK Constant Current LED Driver

INPUT
Input Voltage Range: 12 – 15 VAC (18 – 30 VDC)
Frequency Range: 47 – 63 Hz or DC
Power Consumption: 3 – 12 W
Efficiency: up to 85% Pf: 0.90 minimum

OUTPUT
Minimum Load (Forward voltage): 3 VDC
Drive Current:.350ma (standard); Optional 700ma (-700)
Current Accuracy: 1% Load Regulation: 3%

Dimming Port – Must Use Shielded Wiring
0 – 10 VDC (Control signal fed to driver)
PWM (Pulse Width Modulation)
SF-120-DIM (Dimmer Interface in series with traditional dimming)

Optional - Completely Encapsulated (–Y)
Not for direct exposer to the elements; must mount into wiring box



RPK-LV- **(Select Using Guide Below)**

RPK - LV	Low Voltage AC or DC Input
	15 VDC Maximum Load (-15)
	350ma (standard), 700ma (-700) Other amperages by Request (Specify)
	Standard Case, No Mounting Tabs – Installs into standard wiring box
	Options

* Optional items may not be stocked – and built to order only
Reserve the right to update information without notice

- Low Voltage AC/DC Input
- Short, Thermal & Overload protected with Auto Recovery
- Indoor/Dry Location Standard, (Wet Location Optional)
- Five Year Warranty
- High Efficiency – up to 85% efficient
- Wide Ambient Temperature Range (-30C to 50C)
- Dimmable; using control circuit into separate port
- Low Voltage Wiring in Wet Locations limited to 30VDC Max

Calculating Driver Requirements

When LEDs are current driven and driven in series, the DC Forward Voltage (Fv) accumulates on the circuit with each LED added. All Gemini One Five Luminaires shipped to be powered by a remote driver will be marked with Fv in order to simplify load calculations. These drivers require a minimum load/Fv of 3 VDC and may not operate properly if not loaded properly.

Long Wire Runs from RPK to LEDs

LEDs can be run hundreds of feet away (use 18 AWG wire minimum – shielded wiring not required), but total voltage drop between the driver and the LEDs must be added to the Forward Voltage Calculation. Therefore, if powering LEDs with a cumulative Forward Voltage of 13.8 volts, total voltage drop must not exceed 1.2 volts. As an example, LEDs driven at 700ma using 18 AWG wire; 100 feet of wire is approximately 1.0 volts of drop. Increasing wire AWG or reducing load (Accumulated Fv or drive current) extends wire run distances.

Job Name:

Type: