



FC Class 2 Class P

SELV



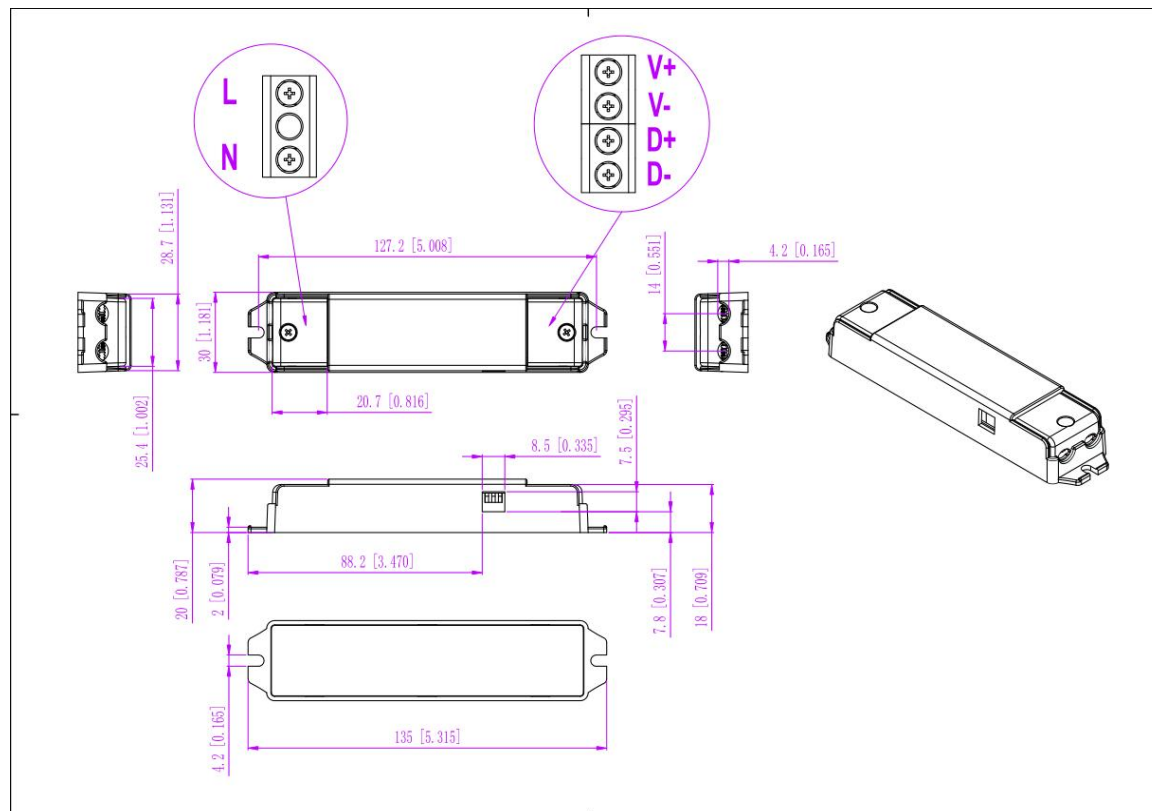
RoHS



## Features

Output:	Constant Current
Range:	100-277VAC
PFC design:	Built-in active PFC function
Efficiency:	Up to 76%
Protections:	Short circuit/ over temperature
Heat dissipation:	Cooling by free air convection
Waterproof performance:	Full protection plastic housing, for dry, damp, locations
Dimming function:	<u>Phase dimming</u> : work with forward phase , MLV and Reverse phase, ELV, TRIAC dimmers. <u>0-10V dimming</u> : 0-10V/1-10V/Potentiometer/10V PWM 4 in 1
Dimming range:	1-100%
Application:	Suitable for the application of indoor LED lighting
Warranty:	5 years warranty

## Mechanical Specification





1. Input with DG126 terminals 3P: Live Wire AC (L), Neutral Wire AC (N)
2. Output LED SEC with DG126 terminals 2P: output Positive (LED+), output negative (LED-). Connected to LED Lamps.
3. Please make sure you connect these correctly otherwise your product will not function correctly and could be damaged.

Warm tips:

1. Suggested wire diameter: Input 0.75-2mm<sup>2</sup>; Output: 0.5-2mm<sup>2</sup>.

## Specification

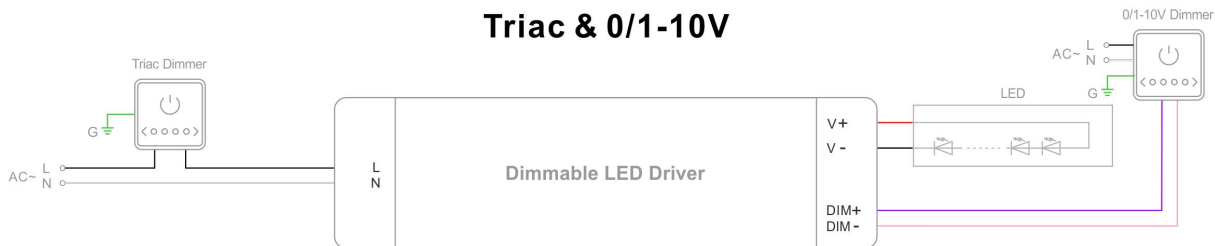
 ON
  OFF

Output	Rated current(mA)	250mA 	350mA 			
	Current Tolerance	± 5%				
	DC Voltage (V)	3-40V	3-29V			
	Rated power	10W	10W			
Input	Rated Voltage	100-277VAC				
	Rated Frequency	47-63HZ				
	Power Factor	0.98@120VAC 60Hz;		0.95@230VAC 50Hz;		0.90@277VAC 60Hz
	Efficiency (Typ.)	75%@120VAC 60Hz;		76% @230VAC 50Hz;		75%@277VAC 60Hz
	AC Current (Max.)	0.16A				
	Inrush Current	2.16A,7us@50%Ipeak @120VAC 6.6A ,3.2us@50%Ipeak @230VAC 3.76A,8us@50%Ipeak @277VAC				
	Leakage current	<0.50mA				
Protection	Short Circuit	Constant current mode, recovers automatically after fault condition is removed				
	Over temperature	Ambient temp. over 50℃±5℃, output current will be reduced to 50%; Ambient temp. over 60℃±5℃, output will be off; recovers automatically after temp. drops.				
Environ- ment	Working TEMP.	-40-+60℃				
	Working Humidity	20-90%RH, non-condensing				
	Storage TEMP.Humidity	-40-+80℃,10-95%RH				
	TEMP. coefficient	±0.03%/℃ (0-50℃)				
	Vibration	10-500Hz, 2G 10min./1 cycle,period for 60min.each along X,Y,Z axes				
Safety & EMC	Safety standards	UL8750				
	Withstand voltage	I/P-O/P:1.80VAC (US)				
	Isolation resistance	I/P-O/P:100MΩ / 500VDC / 25℃ / 70%RH				
	EMC Emission	FCC Part 15B				
Others	Net Weight	0.65Kg				
	Dimension	135*30*20mm(L*W*H)				
Notes	1. All parameters NOT specially mentioned are measured at 120VAC input,rated load and 25℃of ambient temperature. 2. Tolerance: includes set us tolerance, line regulation and load regulation.					

## Dimming Operation and Connecting Diagram

- **Using two ways of dimming at the same time**, you must be assured that LED lighting is up to the max. Brightness then you could operate with the other dimming;

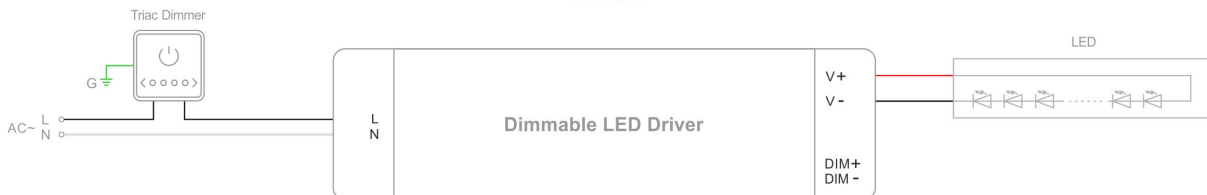
### Triac & 0/1-10V



- **Using one dimming ---TRIAC/Phase cut dimming**

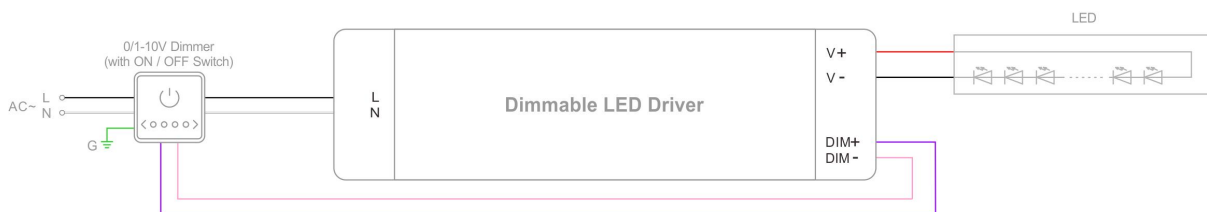
1. The Pulse-Width Modulation (PWM) of output voltage can be adjusted through input terminal of the AC phase line(L) by connection a phase /Triac dimmer or lighting system.
2. Working with forward phase, MLV and Reverse phase, ELV, TRIAC dimmers or light system.
3. Min. loading is about 10%
4. Please try to use dimmers with power at least 2 times as the output power of the driver.

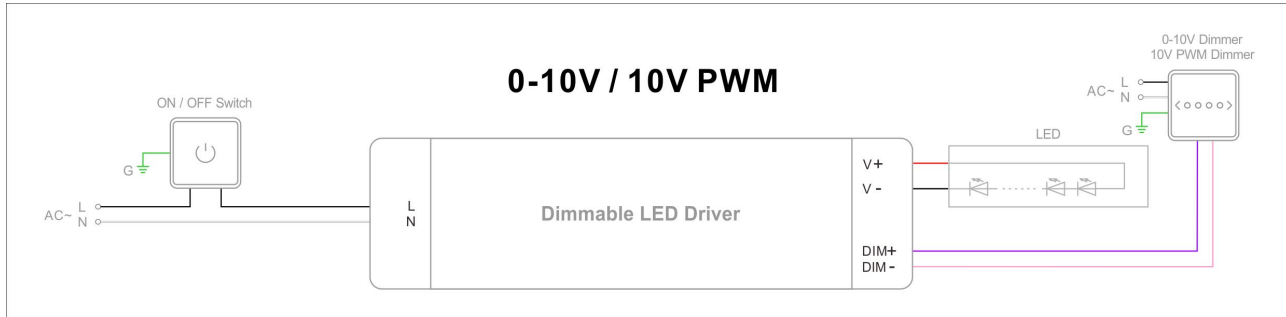
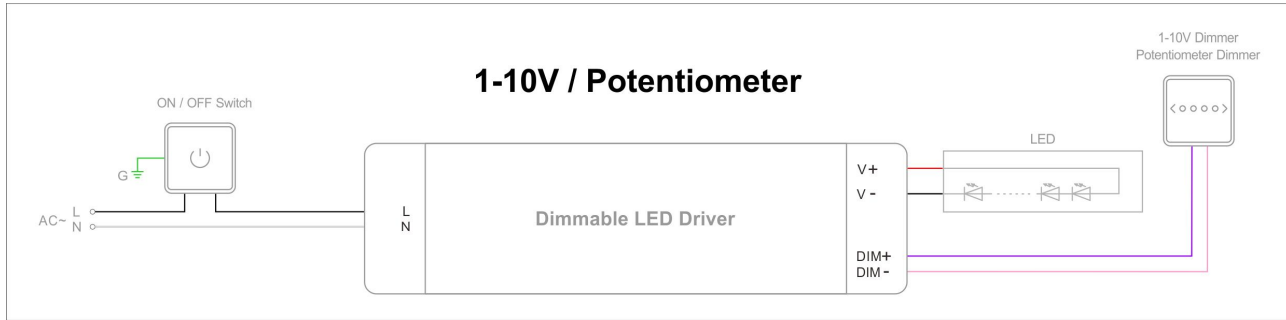
### Triac



- **Using one dimming ---0-10/ 1-10V/ 10V PWM/ Potentiometer dimming**

### 0/1-10V





## Instruction

1. This driver should be installed by qualified and professional person.
2. Please make sure the driver is installed with adequate ventilation around it to allow for heat dissipation.
3. Ensure that wiring is correct before test in order to avoid light and power supply damage.
4. If driver Cannot work normally, don't maintain privately.