

LED Driver

1S Series

Class 2 Driver



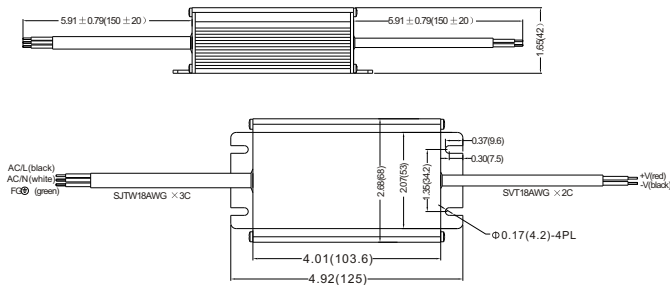
40-80 W

Type TL

Type HL



Dimension [Unit: Inch(mm)]



- Universal full range input
- Built-in active power factor correction function.
- Short circuit/open circuit/overvoltage protection.
- IP 66
- Cooling by free air convection
- Suitable for dry and damp locations.
- Suitable for LED lighting

AC Input Voltage Range	90-305VAC (Note: Decrating may be needed under 100VAC)	
Frequency Range	47-63Hz	
Start Time	Cold start < 1000ms	
Withstand Voltage	I/P-O/P: 3.75KVAC, I/P-FG: 2KVAC, O/P-FG: 0.5KVAC	
LED Short Circuit Protection	When short circuit occurs, the input power of driver will be reduced without damage. When the faults is excluded, the driver will automatically return to be normal.	
LED Open Circuit Protection	When open circuit occurs, the product is protected in hiccup mode with no damage. When the fault is excluded, the product will work normally.	
Overvoltage Protection	When output voltage is over 60V, overvoltage protection will be started with no output. The driver will work normally after restarting.	
Working Temperature	-40°C~+70°C (-40°C~+50°C conforms with 5 years warranty.)	
Working Humidity	20-95% RH, non-condensing	
Storage Temperature and Humidity	-40°C~80°C, 10-95%RH, non-condensing	
Connector	Input	SJTW 18AWG x 3C (150mm)
	Output	SVT 18AWG x 2C (150mm)

Model	Input Voltage(V)	Input Current (A)	Output Voltage(V)	Output Current(A)	Efficiency	Power Factor	THD
1S30S048	100-277 VAC	0.14-0.34	27-48V	0.6	0.88	> 0.9	< 20%
1S40S048	100-277 VAC	0.18-0.45	27-48V	0.8			
1S50S048	100-277 VAC	0.20-0.51	27-48V	0.9			
1S60S048	100-277 VAC	0.24-0.69	27-48V	1.2			
1S80S048	100-277 VAC	0.31-0.85	27-48V	1.5			