

FEATURES
60W DC Input Constant Current with Optional Dimming LSDCx060 Series

- High Efficiency
- DC Input
- IP67
- RoHS Compliant
- Certified to CE
- Optional 0-10V, PWM & Timer Dimming


SPECIFICATIONS

Model #	Output Current	Output Voltage Range	Output Power	No Load Output Voltage $\pm 5\%$	Efficiency 12/24V Input	Ripple & Noise (3)
LSDCx060S064SS	640mA	38-95 V	60W	99	90/93%	0.36
LSDCx060S070SS	700mA	35-86 V	60W	91	90/93%	0.33
LSDCx060S105SS	1050mA	35-57 V	60W	63	89/93%	0.23

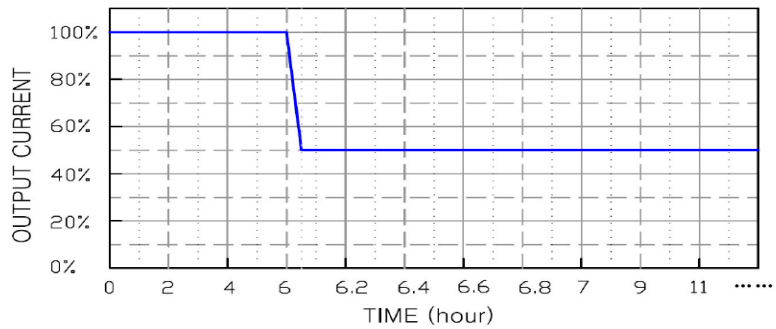
Output	Set-up Delay Time			<0.25s	
	Line Regulation			3%	
	Load Regulation			5%	
Input	Voltage			10~30	
	Efficiency (2)			12V 90% / 24V 93%	
	Inrush Current			8A Cold start, Vin=12V, Po60W	
	DC Current	12V			5.6 A Full Load, Vin=12V, Po60W
		24V			2.7 A Full Load, Vin=24V, Po60W
Dimming	Input Voltage	0~10V	Purple Wire		
	Input Current	10 mA	Pulse width 0% means connecting the 0~10V wire to ground		
	Pulse Width	0~100%			
Protections	Over Voltage	1.3 Vo $\pm 5\%$ floating deviation			
		Protection type: Latch mode, recycle AC after resolving problem.			
	Short Circuit	Protection type: Latch mode, recycle AC after resolving problem.			
Environment	Temperature Range	Operational	-35°C ~ +50°C		
		Storage	-40°C ~ 85°C		
	Humidity	Operational	10~100% RH non-condensing		
		Storage	5~100% RH		
Others	MTBF	100,000 hours			
	Life Time	60,000 hours			
	Dimensions	(L*W*H) 104*43.5*34.5mm 4.09*1.71*1.36 inches			
	Weight	315g			



Notes

1. All specifications are typical at 25°C unless otherwise stated.
2. The "Efficiency" values are measured at full load, after the unit is thermally stabilized.
3. The "Ripple & Noise" values are measured by 20MHz bandwidth oscilloscope and the output paralleled a 0.1uF ceramic capacitor and a 10uF electrolytic capacitor.

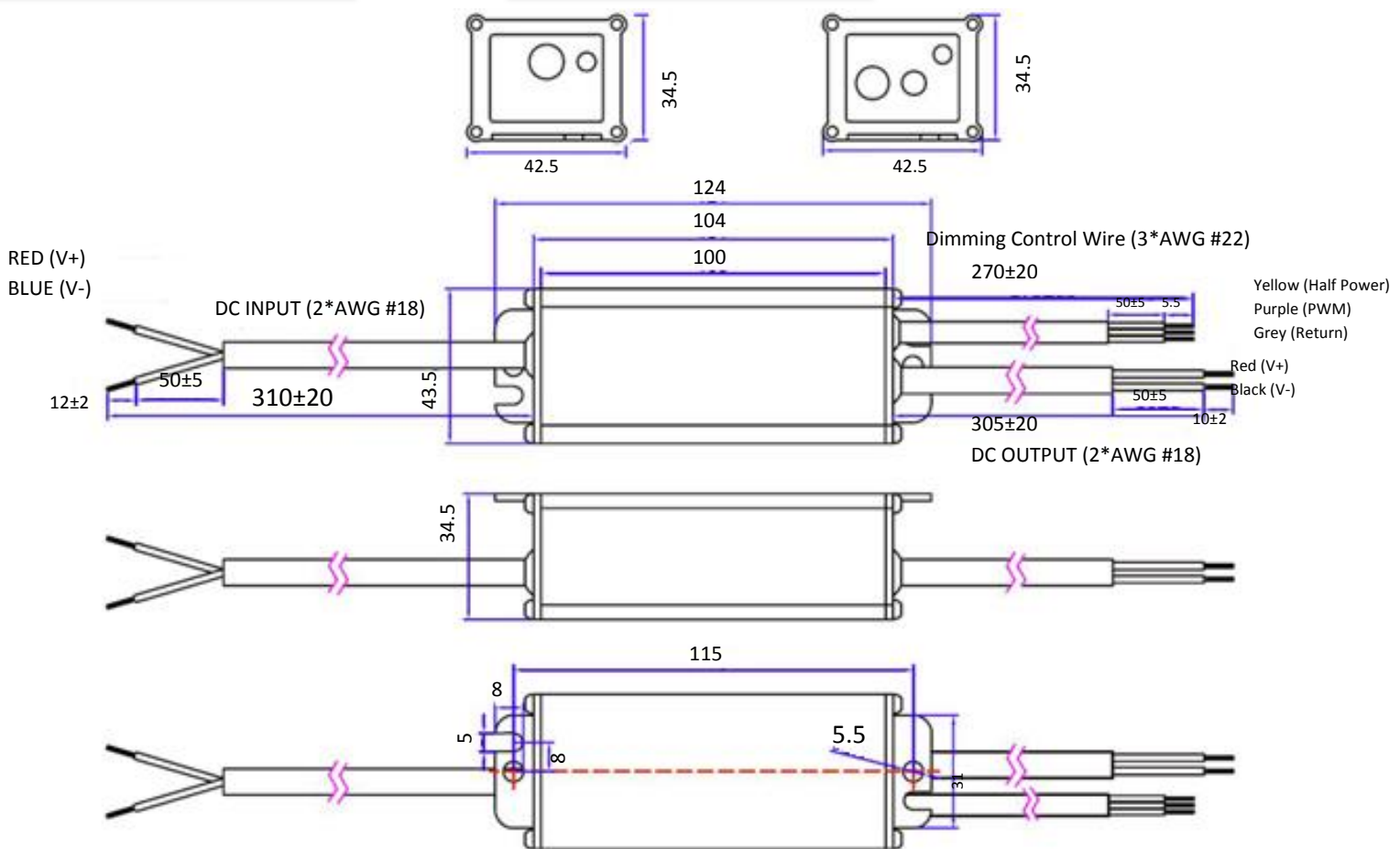
Timer Dimming



NOTE: 1.The dimming time of the chart is for reference only, it can be adjusted according to the client's requirement.

Mechanical Specifications

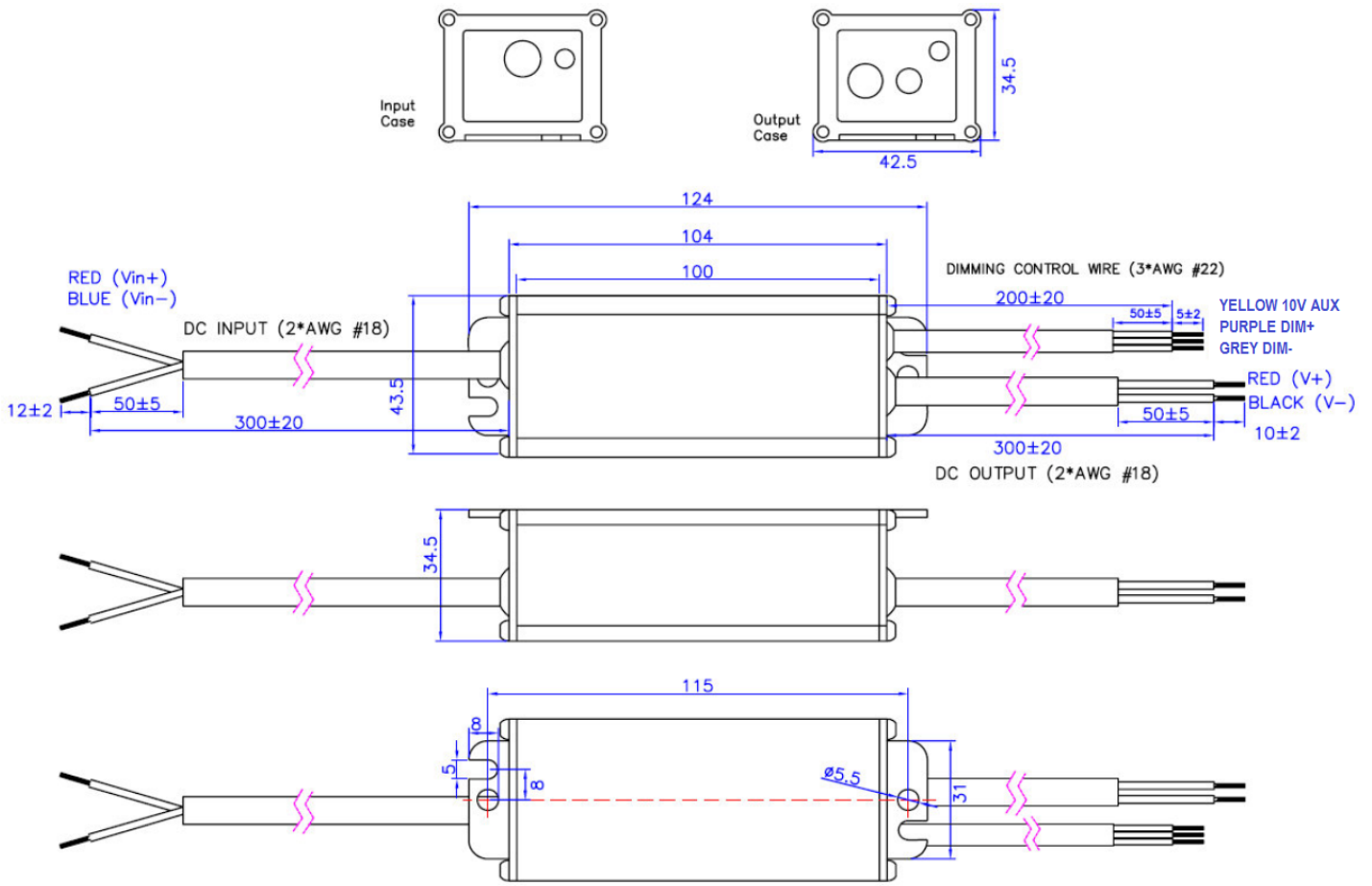
PWM Dimming



In PWM configuration Half Power (yellow) wire shorted to DIM – (grey) wire will produce 50% continuous output current for use with an external switch.

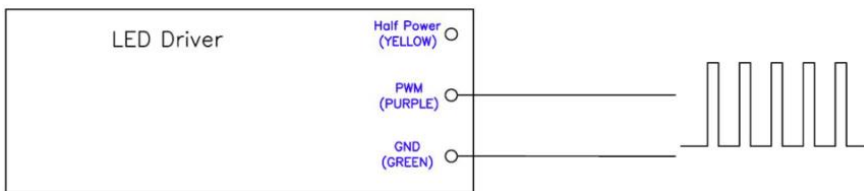


0-10V Dimming

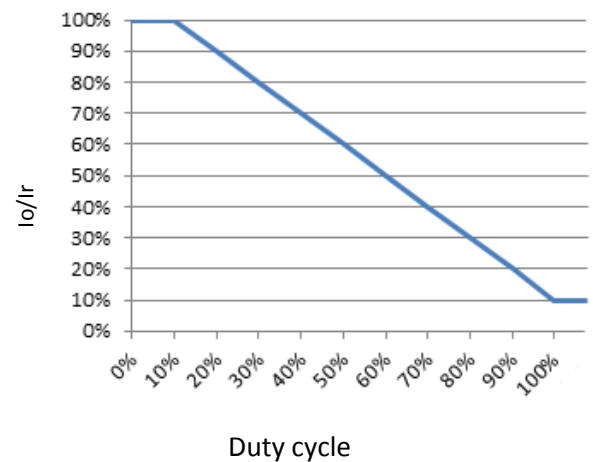


If 0-10V dimming is not used short 10V AUX (yellow) to DIM+ (purple) wire

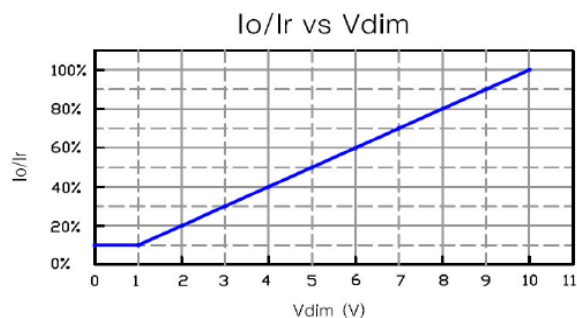
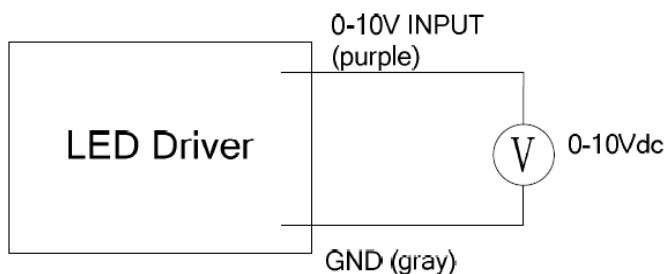
PWM Dimming



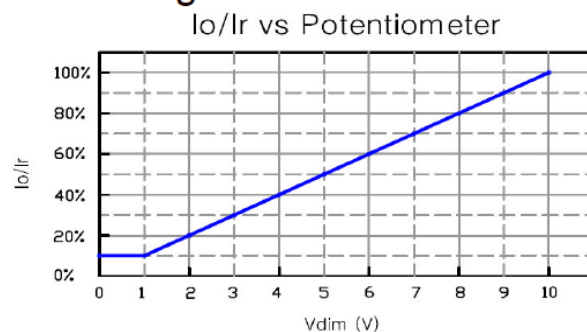
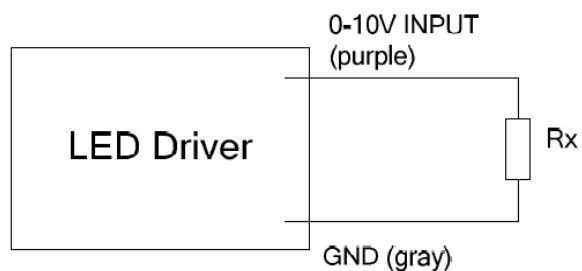
Parameter	Values
Input Voltage	0~10 V
Input Current	10 mA
PWM Frequency	0.5 ~ 3 kHz
PWM Pulse Width	10%~100%



0-10V Dimming

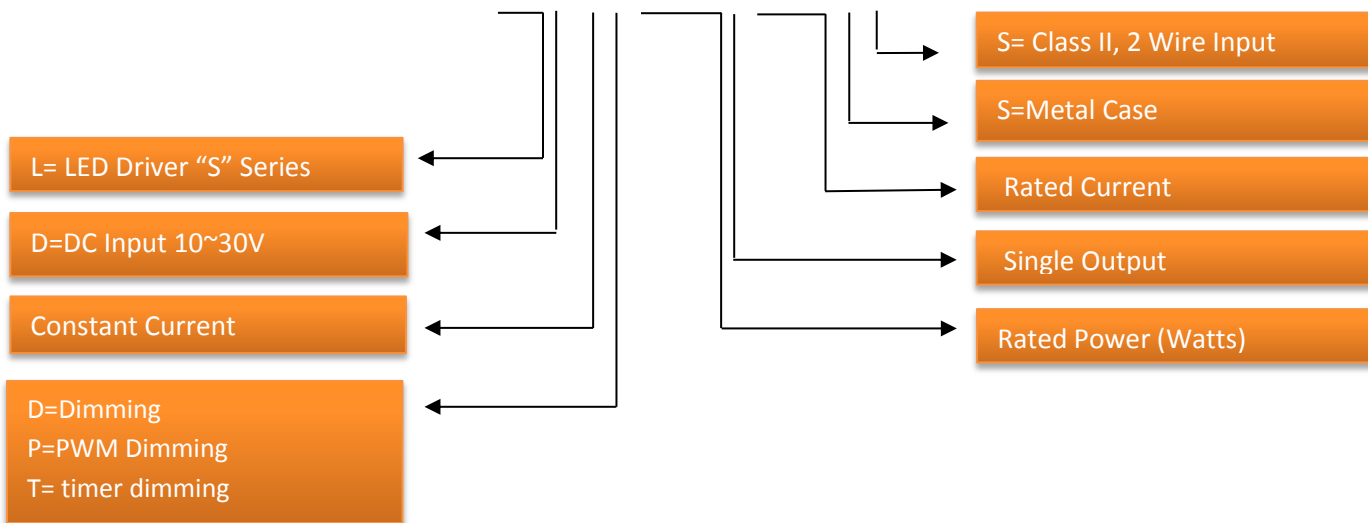


Mode 1: 0-10Vdc Input on Dimming Control



PART NUMBER BUILDER

LSDCx060SxxxSS



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