

## 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

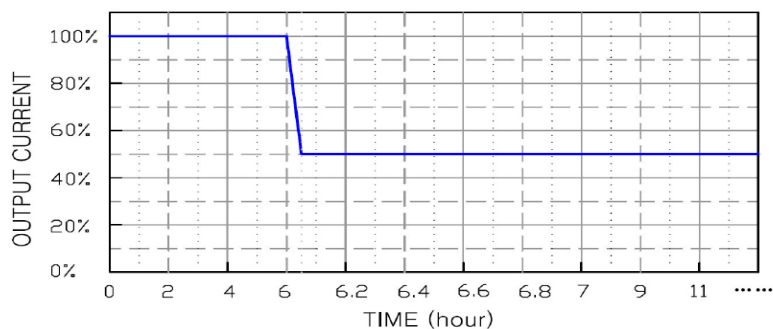
Model #	Output Current	Output Voltage Range	Output Power	No Load Output Voltage $\pm 5\%$	Efficiency 12/24V Input	Ripple & Noise (3)
LSDCx060S064SS	640mA	38-95 V	60W	99	90/93%	0.36
LSDCx060S070SS	700mA	35-86 V	60W	91	90/93%	0.33
LSDCx060S105SS	1050mA	35-57 V	60W	63	89/93%	0.23

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	12V	5.6 A Full Load, Vin=12V, Po60W	
	Current	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 ±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.

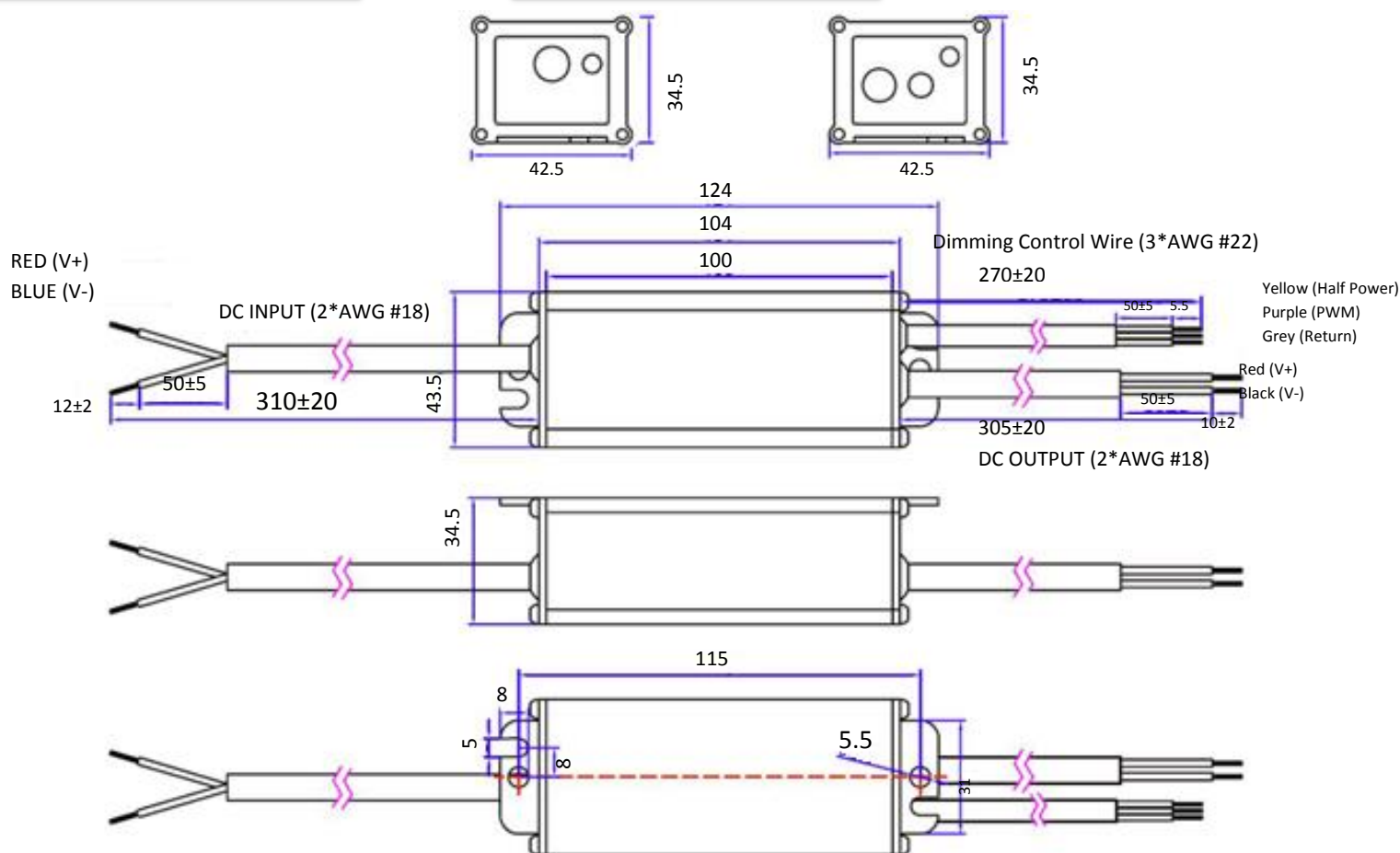
### Timer Dimming



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

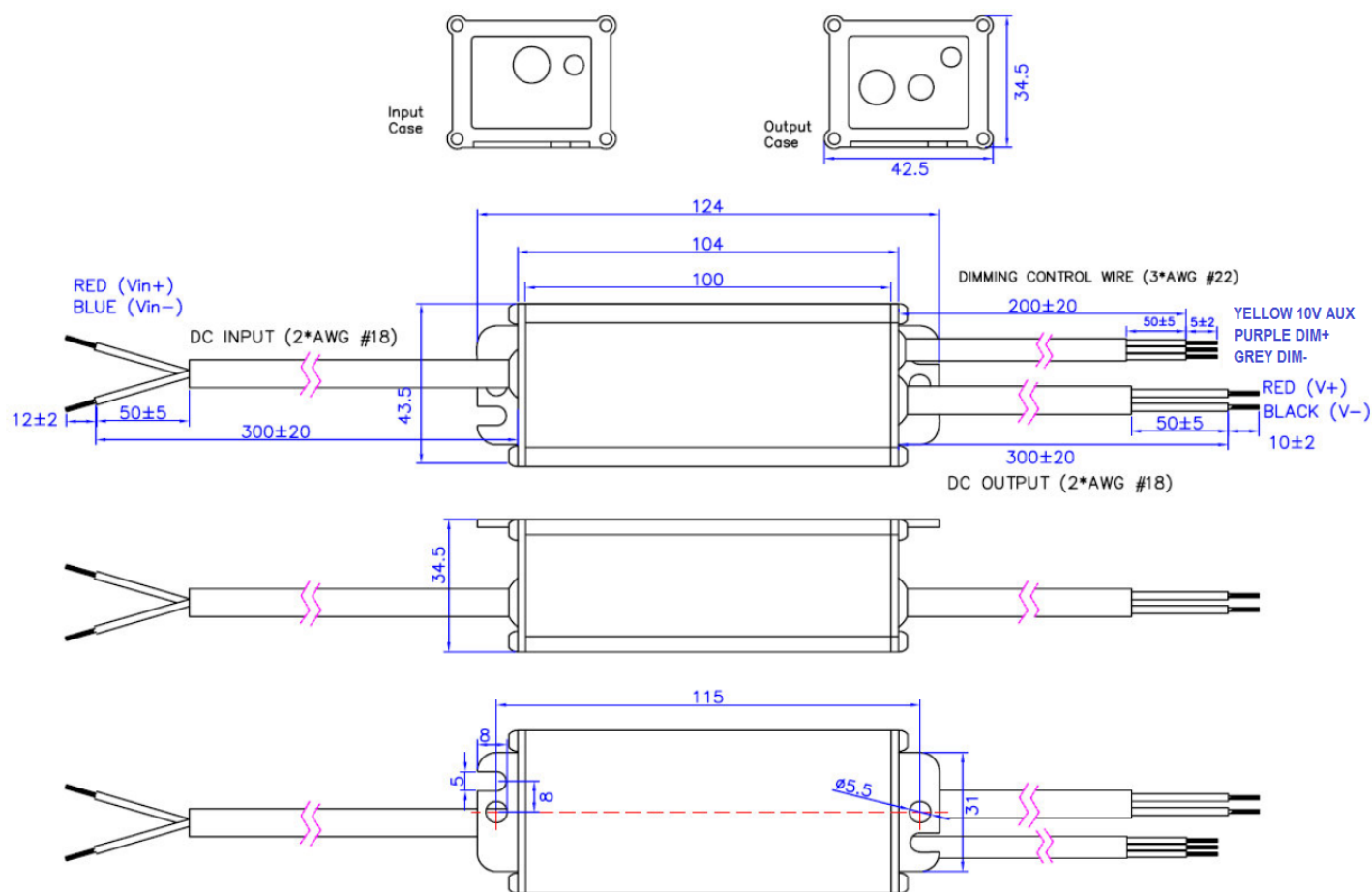
### Mechanical Specifications

### PWM Dimming



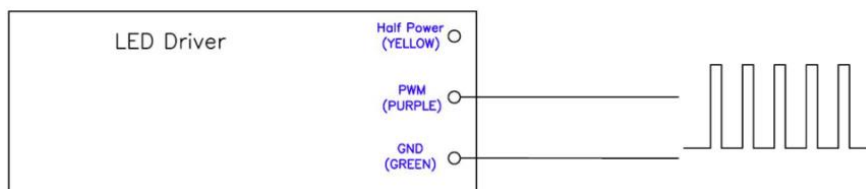
In PWM configuration Half Power (yellow) wire shorted to DIM – (grey) wire will produce 50% continuous output current for use with an external switch.

### 0-10V Dimming

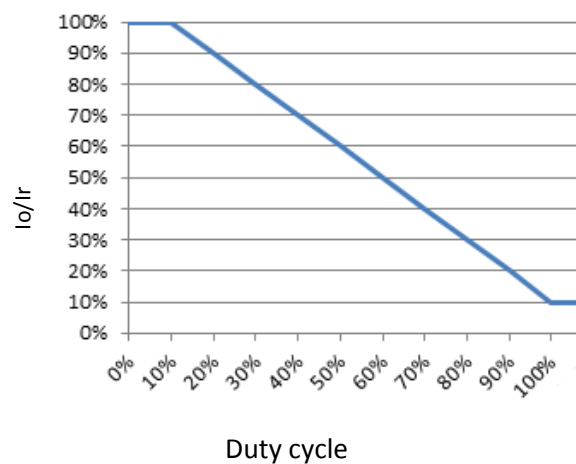


If 0-10V dimming is not used short 10V AUX (yellow) to DIM+ (purple) wire

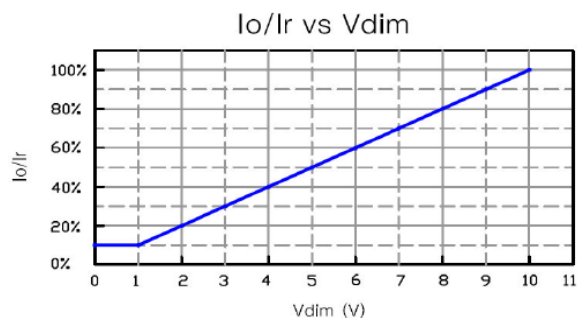
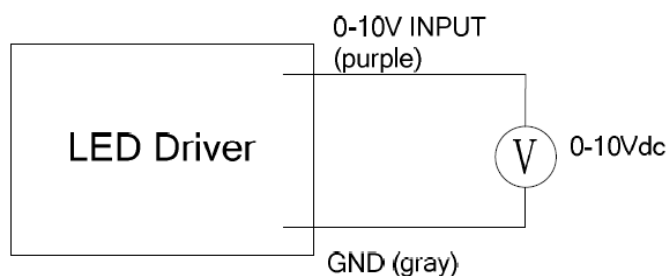
### PWM Dimming



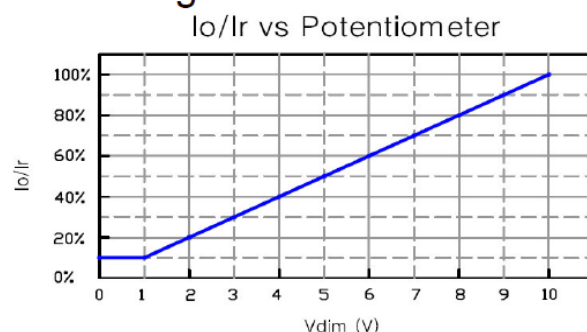
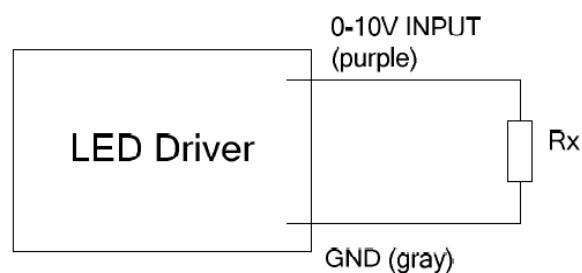
Parameter	Values
Input Voltage	0~10 V
Input Current	10 mA
PWM Frequency	0.5 ~ 3 kHz
PWM Pulse Width	10%~100%



## 0-10V Dimming



## Mode 1: 0-10Vdc Input on Dimming Control



## PART NUMBER BUILDER

LSDCx060SxxxSS

L= LED Driver "S" Series

D=DC Input 10~30V

Constant Current

D=Dimming  
P=PWM Dimming  
T= timer dimming

S= Class II, 2 Wire Input

S=Metal Case

Rated Current

Single Output

Rated Power (Watts)

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