

FEATURES

30W DC Input Constant Current with Optional Dimming

LSDCx030 Series

- High Efficiency
- IP67
- RoHS Compliant
- Certified to CE
- Optional Dimming



SPECIFICATIONS

Model #	Output Current	Output Voltage	No Load Output Voltage $\pm 5\%$	Ripple & Noise (3)	Voltage	Dimming Option
LSDCx030S035SS	350mA	51~86	91V	0.36	10~30	Timer Dimming / 1-10V Dimming
LSDCx030S070SS	700mA	35~43	48V	0.47	10~30	0-10V Dimming
LSDCx030S090SS	900mA	30~33	37V	0.36	10~28	No Dimming

Output	Set-up Delay Time		<0.25s	
	Line Regulation		3%	
	Load Regulation		5%	
Input	Efficiency (2)		12V 90% / 24V 93%	
	Inrush Current		4A Cold start, Vin=12V, Po=30W	
	DC Current	12V	2.8 A Full load, Vin=12V, Po=30W	
		24V	1.3 A Full load, Vin=24V, Po=30W	
Dimming	Input Voltage	0~10V	Purple Wire	
	Input Current	10mA	Pulse width 0% means connecting the 0~10V wire 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 (L*W*H) 4.09*1.71*1.36 Inches		



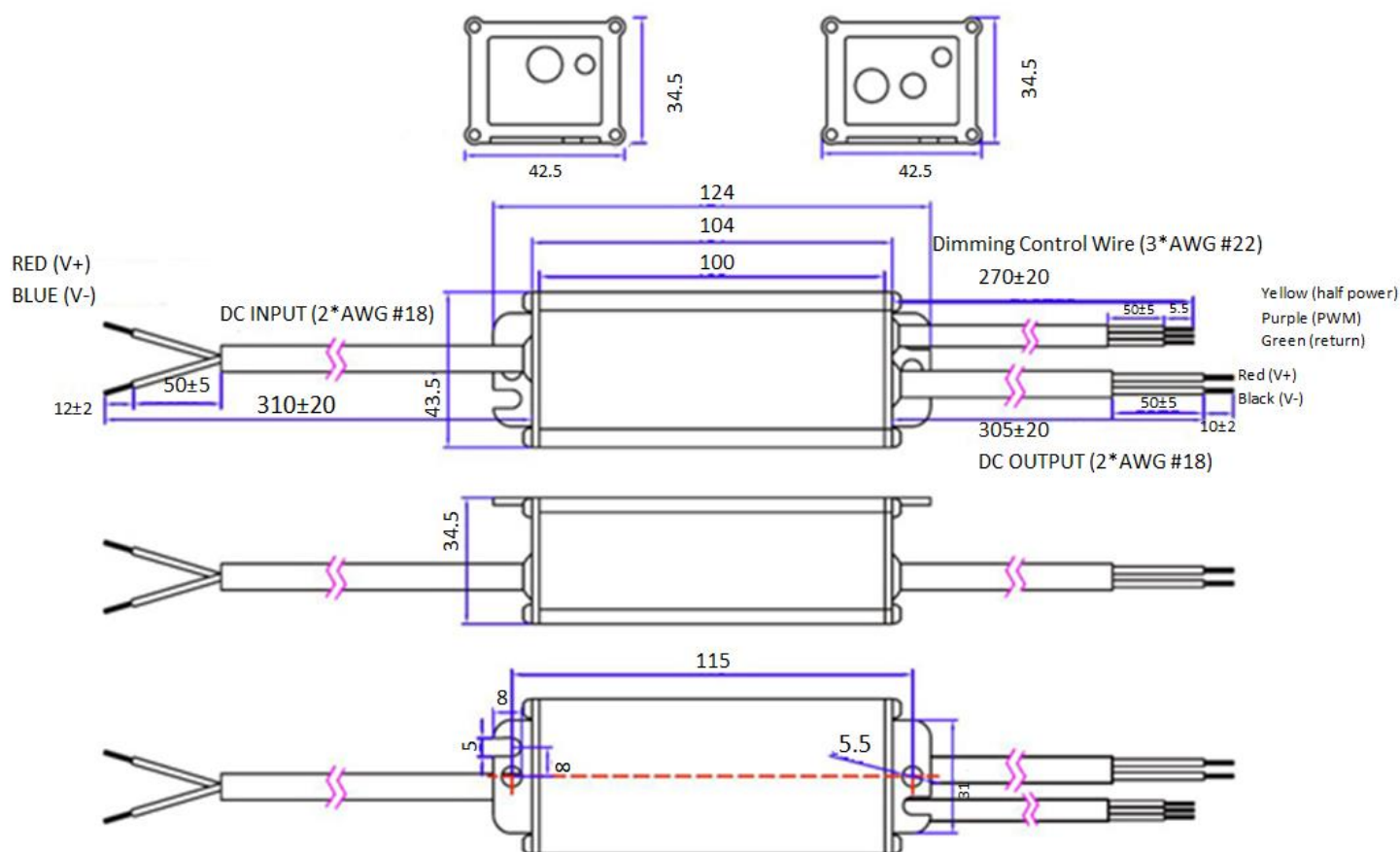
Weight

315 g

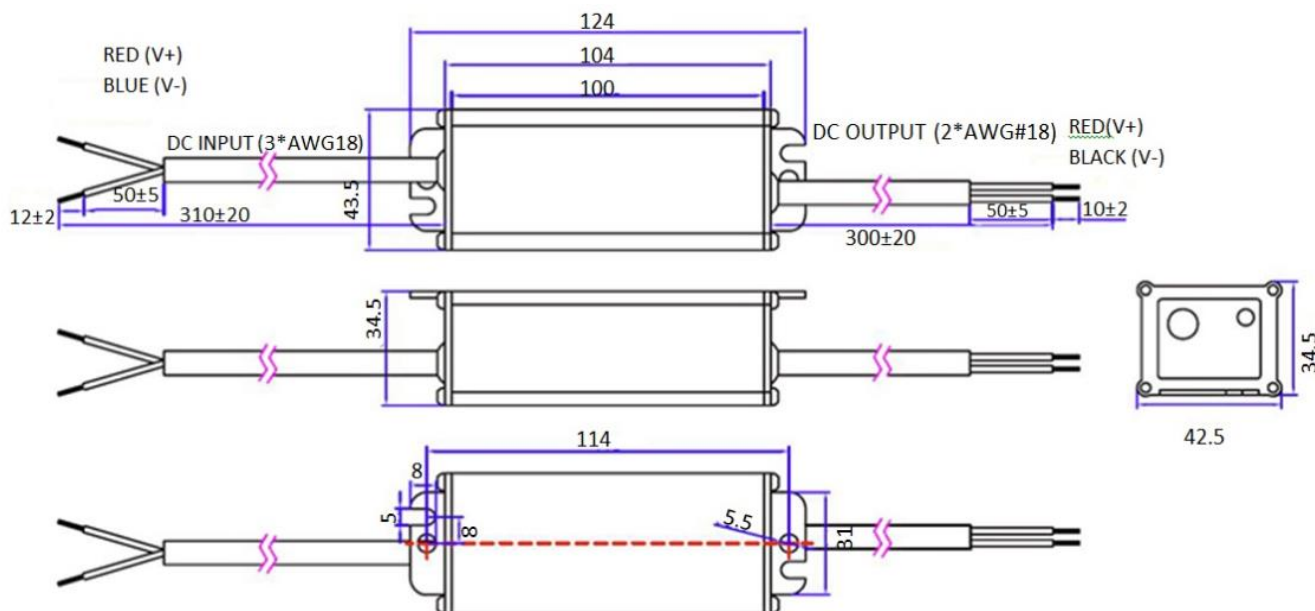
Notes:

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, otherwise they will be lower about 1%.
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.

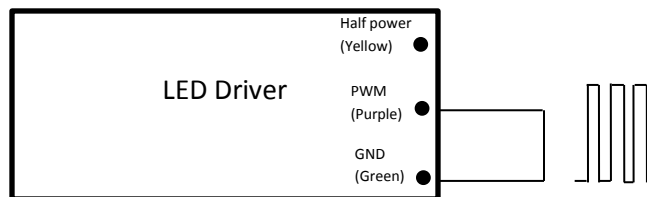
Mechanical Specifications



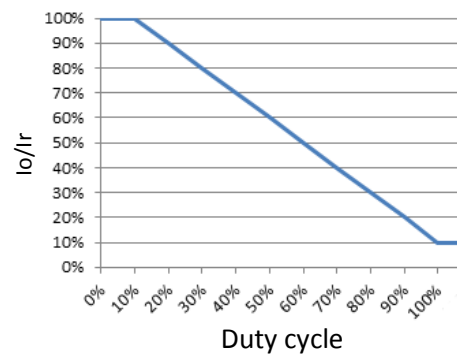
Non Dimming Mechanical Specifications



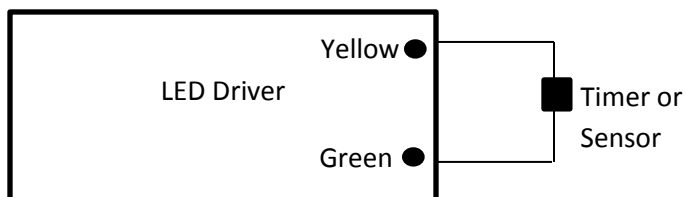
PWM Dimming



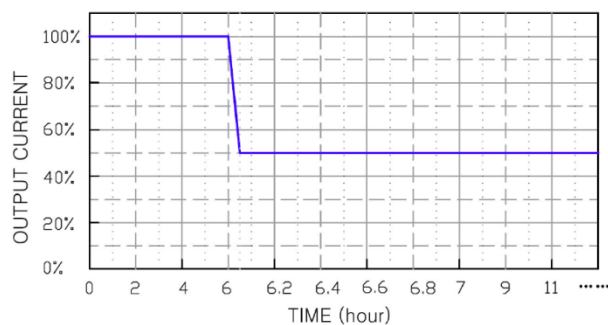
PWM Dimming:
Pulse: Hi=5V Low=2V
Duty: 10-100% Fsw: 1-2KHz



Half Power Dimming chart



Timer Dimming



PART NUMBER SCHEME

LSDC_x030S035SS

LS=LED Driver "S" Series

D=DC Input 10~30V

C=Constant Current

D=Dimming - = Non Dimming T=
Timer Dimming

S= Class II, 2Wire Input

S= Metal Case

Rated Current

Single Output

Rated Power (Watts)

SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE. AUTEC IS NOT RESPONSIBLE FOR ISSUES ARISING FROM ERRORS OR OMISSIONS.

