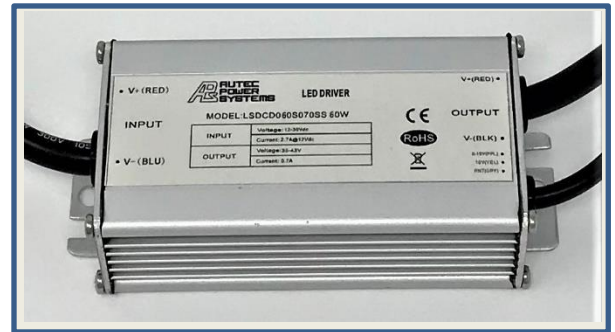


■ **Features**

- Power Rating: 60W
- Input Voltage: 10~30Vdc
- Constant current design
- Output current(640mA-700mA)
- Efficiency up to 93%
- Dimmable with 0-10V dimming (optional)
- UL Class 2
- OVP and SCP
- IP67



only and may vary from actual design.

■ **Application**

- Indoor or outdoor lights

■ **Model List***(See part number scheme for model number details)

| Model Number | Input Voltage Range | Output Power | Output Voltage | Output Current Min. | Output Current Max. | Efficiency | Certification |
|----------------|---------------------|--------------|----------------|---------------------|---------------------|----------------------|---------------|
| LSDC-060S064SS | 10~30Vdc | 60W | 42~96V | 640mA | 640mA | 90% @12V 93% @24V | UL/cUL |
| LSDCD060S064SS | 10~30Vdc | 60W | 42~96V | 640mA | 640mA | 90% @12V 93% @24V | UL/cUL |
| LSDC-064S070SS | 10~30Vdc | 60W | 52~86V | 700mA | 700mA | 90% @12V 93% @24V | UL/cUL |
| LSDCD064S070SS | 10~30Vdc | 60W | 52~86V | 700mA | 700mA | 90% @12V 93% @24V | UL/cUL |

*(-=No dimming/D=Dimming)

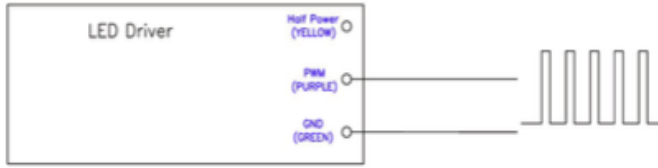
■ Technical Data

| | |
|------------------------|--|
| Input voltage range | 10~30Vdc |
| Max input current | 5.6A @full load, Vin=12V, Po=60W 2.7A @full load, Vin=24V, Po=60W |
| Load Regulation | 5% |
| Line Regulation | 3% |
| Turn-on Delay Time | < 0.25s |
| Ripple & Noise (pk-pk) | 0.32, 0.34 |
| Protection | Over voltage protection: 1.3 Vo, ±% floating design. Latch mode. Power supply shall return to normal operation only after the power is turned on again. Short Circuit Protection. Hiccup mode, recovers automatically after fault condition is removed. |
| Operating temperature | -35 ~ 50°C |
| Storage temperature | -40 ~ 85°C |
| Humidity | Operational: 10~100% RH non-condensing Storage: 5~100% RH |
| MTBF | 100,000 hours |
| Life rating | 60,000 hours |
| Length (L) | 4.09" (104mm) |
| Width (W) | 1.71" (43.5mm) |
| Height (H) | 1.36" (34.5mm) |

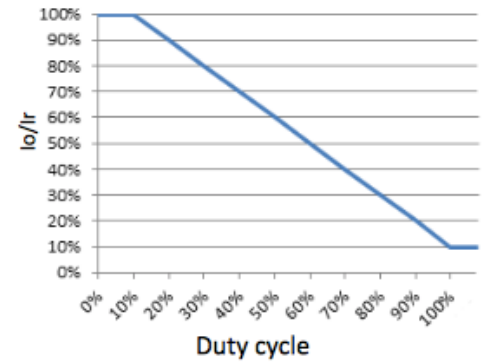
Notes:

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 at 20MHz bandwidth oscilloscope and the output paralleled a 0.1uF ceramic capacitor and a 10uF electrolytic capacitor.

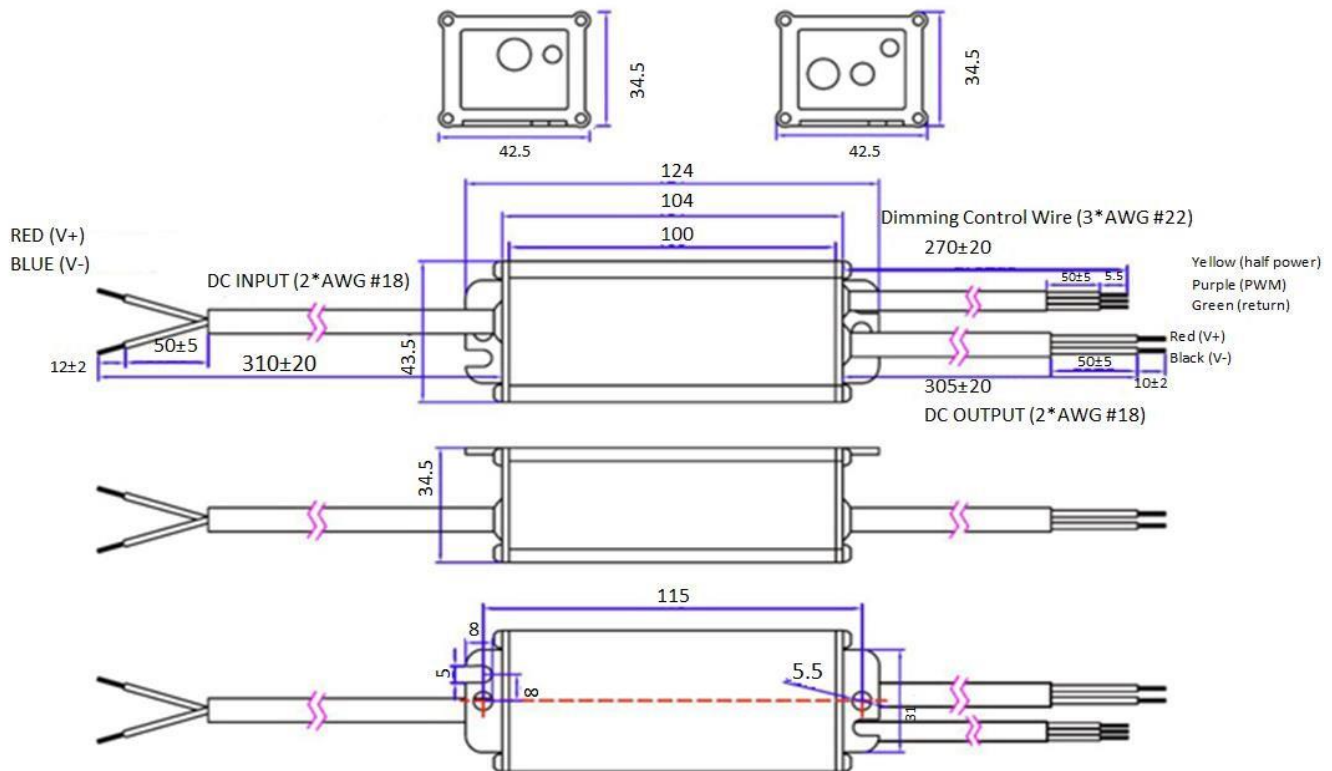
■ **Dimming Character**



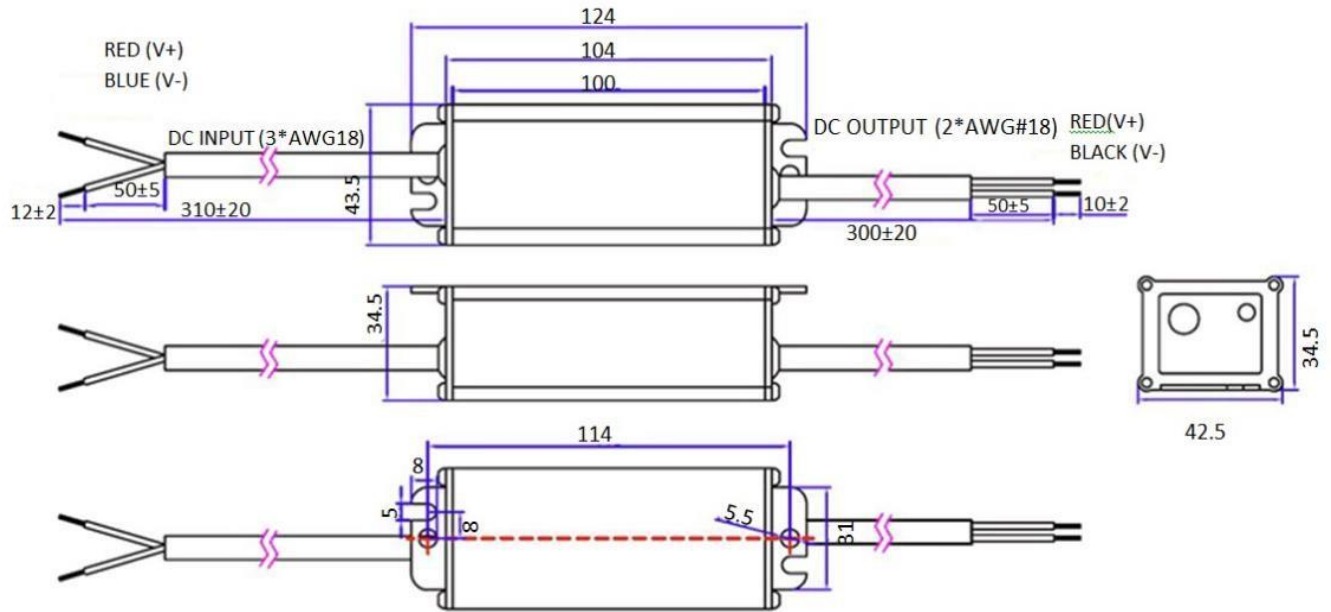
PWM Dimming:
Pulse: High=5V, Low=2V
Duty: 10-100% Fsw: 1-2KHz



■ **Dimming Wiring Diagram**

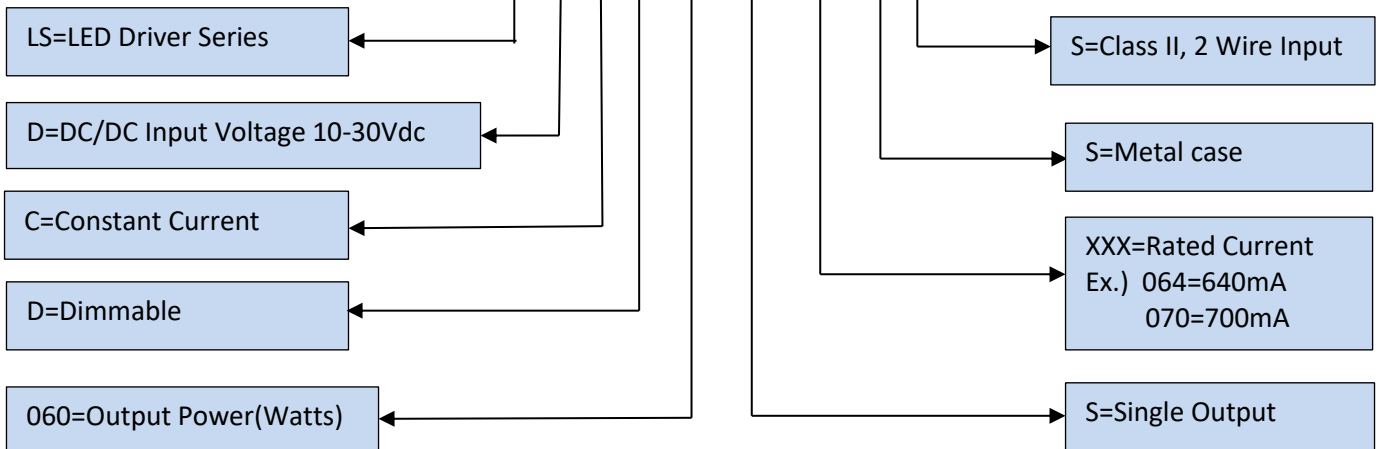


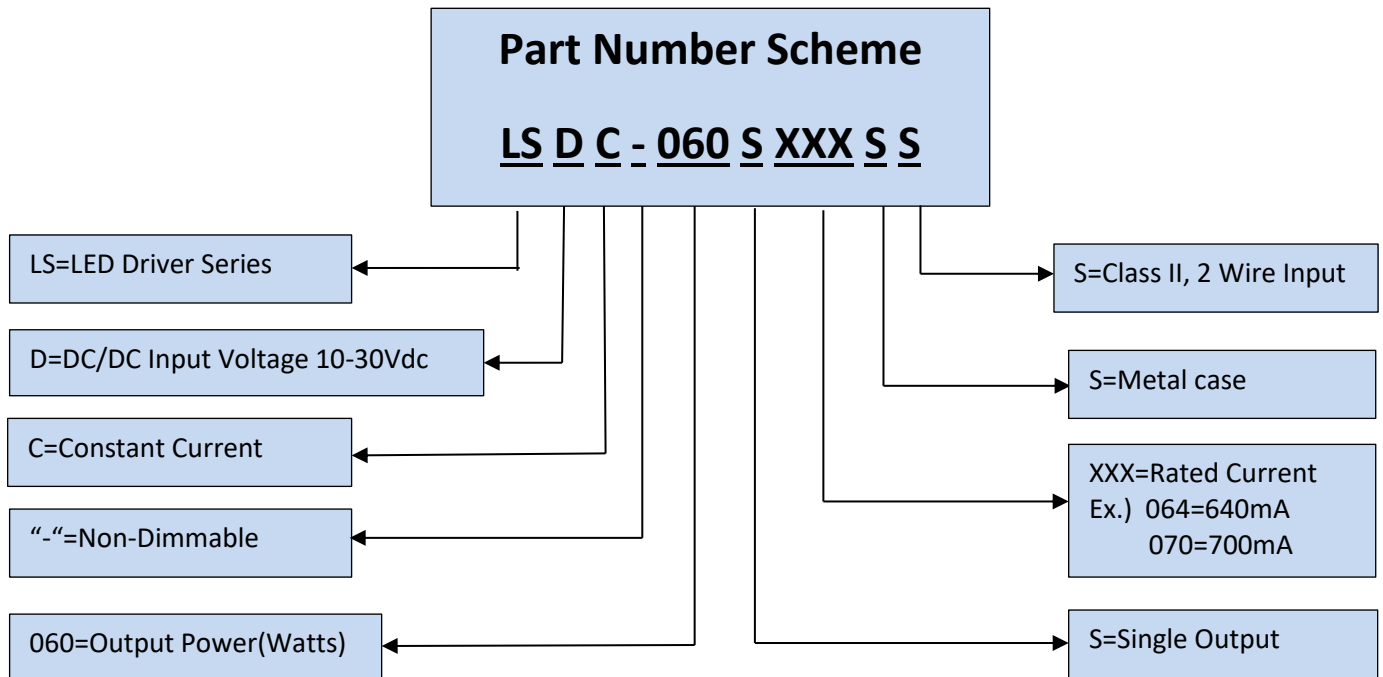
■ **Non-Dimming Wiring Diagram**



Part Number Scheme

LS D C D 060 S XXX S S





***Product images are for illustrative purposes only and may vary from actual design.**

***Specifications are subject to change without notice. Autec is not responsible for issues arising from errors or omissions.**