

## ■ Features

- Power Rating: 46-60W
- Input Voltage: 100-277Vac
- Constant current design
- Fixed output current(1150mA-1500mA)
- Efficiency to 87%
- 0-10V/PWM Dimming, flicker free
- 0-100% dimming range
- SCP, LED disconnection protection
- Class II protection, SELV output
- UL certified
- 5-year warranty
- Surge protection ;eve; L-N:1KV L/N-GND:2KV



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

## ■ Application

- Indoor 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 |
|------------------|---------------------|--------------|----------------|---------------------|---------------------|------------|---------------|
| L7WCD060S115SS-L | 100~277Vac          | 46W          | 18-40V         | 1150mA              | 1150mA              | 87%        | UL            |
| L7WCD060S120SS-L | 100~277Vac          | 48W          | 18-40V         | 1200mA              | 1200mA              | 87%        | UL            |
| L7WCD060S125SS-L | 100~277Vac          | 50W          | 18-40V         | 1250mA              | 1250mA              | 87%        | UL            |
| L7WCD060S130SS-L | 100~277Vac          | 52W          | 18-40V         | 1300mA              | 1300mA              | 87%        | UL            |
| L7WCD060S135SS-L | 100~277Vac          | 54W          | 18-40V         | 1350mA              | 1350mA              | 87%        | UL            |
| L7WCD060S140SS-L | 100~277Vac          | 56W          | 18-40V         | 1400mA              | 1400mA              | 87%        | UL            |
| L7WCD060S145SS-L | 100~277Vac          | 58W          | 18-40V         | 1450mA              | 1450mA              | 87%        | UL            |
| L7WCD060S150SS-L | 100~277Vac          | 60W          | 18-40V         | 1500mA              | 1500mA              | 87%        | UL            |

## ■ Technical Data

|                     |   |
|---------------------|---|
| Input voltage range | 100~277Vac  |
| Frequency           | 50/60Hz   |
| Power factor        | > 0.9 under 100~277Vac input with 80~100% load condition (for all output currents)  |
| Inrush current      | 50A @277Vac   |
| Max input current   | 0.75A @100Vac   |
| Ripple & noise      | ≤0.5Vp-p  |
| THD                 | < 20% under 100~277Vac input with 80~100% load condition (for all output currents)  |
| Turn-on Delay Time  | 1s Max. at full load condition  |
| Protection          | LED disconnection protection: If the LED driver is disconnected from power such as hiccup mode, no damage will occur to the Driver.<br>Short circuit protection: Hiccup mode. Protection will trigger when short circuit and will auto recover after the fault mode is removed. |

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## ■ Technical Data(cont.)

|                       |   |
|-----------------------|---|
| Operating Temperature | -20°C to +55°C  |
| Relative Humidity     | 20%RH to 90%RH  |
| Storage Temperature   | -20°C to +70°C  |
| Relative humidity     | 10%RH to 90%RH  |
| Burn-in               | The Power supply shall undergo a minimum of 2-4 hours burn-in test at 45°C ±5°C |
| MTBF                  | 50,000 hours at 25°C at full load and nominal input condition                   |
| Dimensions LxWxH      | 302x29.5x21mm 12x1.16x0.82in  |
| Packing               | TBD   |

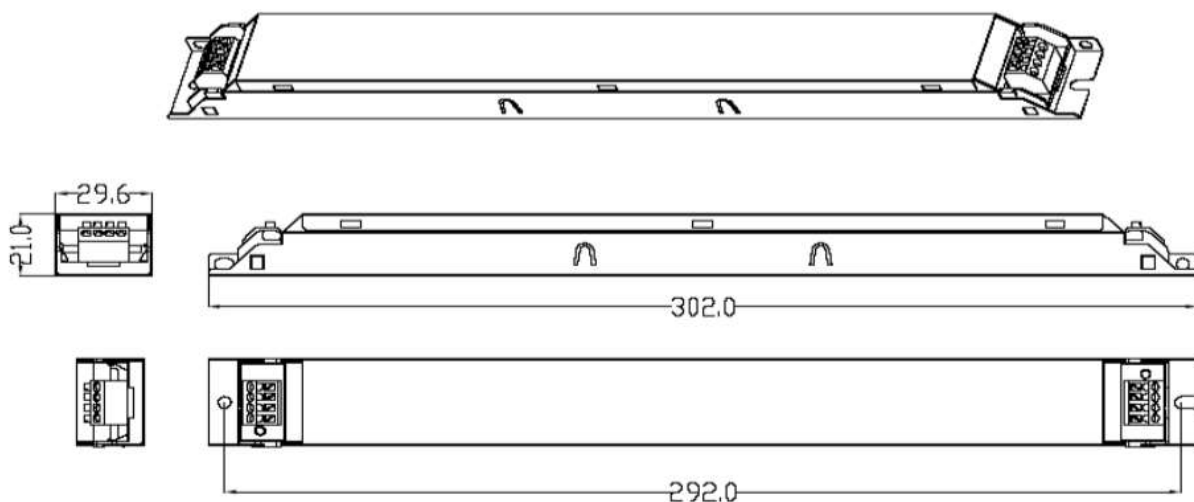
## ■ Safety Compliance

|                       |   |
|-----------------------|---|
| Dielectric Strength   | Primary to Secondary: 2000Vac 5mA Max/60seconds         |
|                       | Ground to primary: 2000Vac 5mA Max/60seconds            |
|                       | Ground to Secondary: 600Vac 5mA Max/60seconds           |
| Insulation Resistance | 50Ω min at primary to secondary add 500Vdc test voltage |
| EMI Standard          | EN55015:1998, +A1:2000 +A2:2003, Class B. FCC           |

### Disclaimer:

Autec Power Systems' (Autec) LED Drivers are Hi-Pot tested during the manufacturing process. Autec assumes no responsibility for secondary Hi-Pot testing at customer location or designated production line(s). Should customer require further Hi-Pot testing, at their own production line, following assembly of the LED Driver into the customer's assembled fixture, Autec requests advance notice. This request must be communicated to Autec in a timely manner and is recommended to be requested at time of issuing each purchase order.

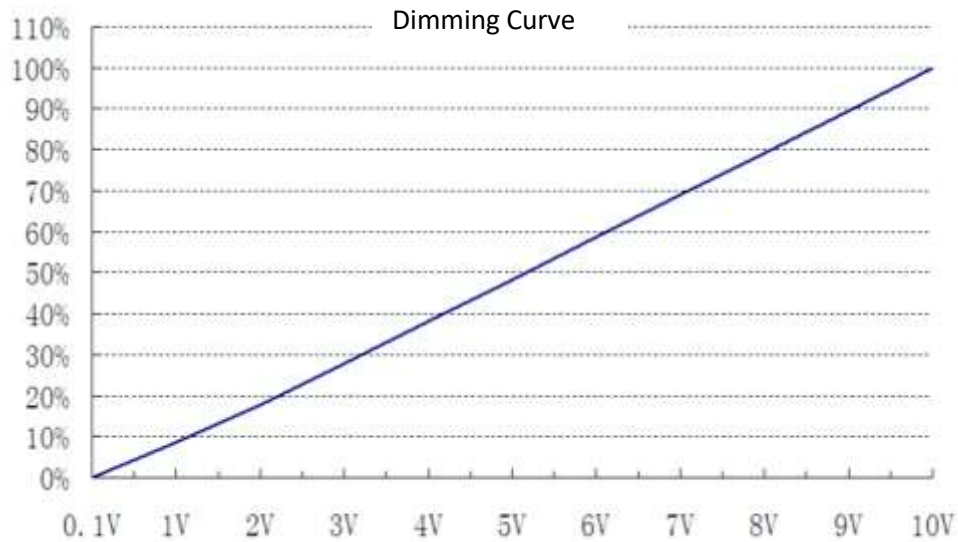
## ■ Mechanical Diagram



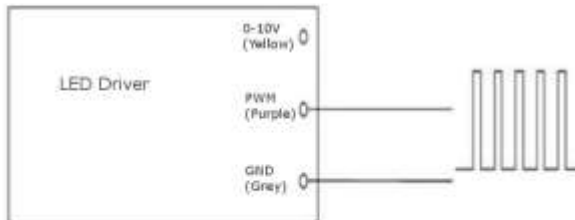
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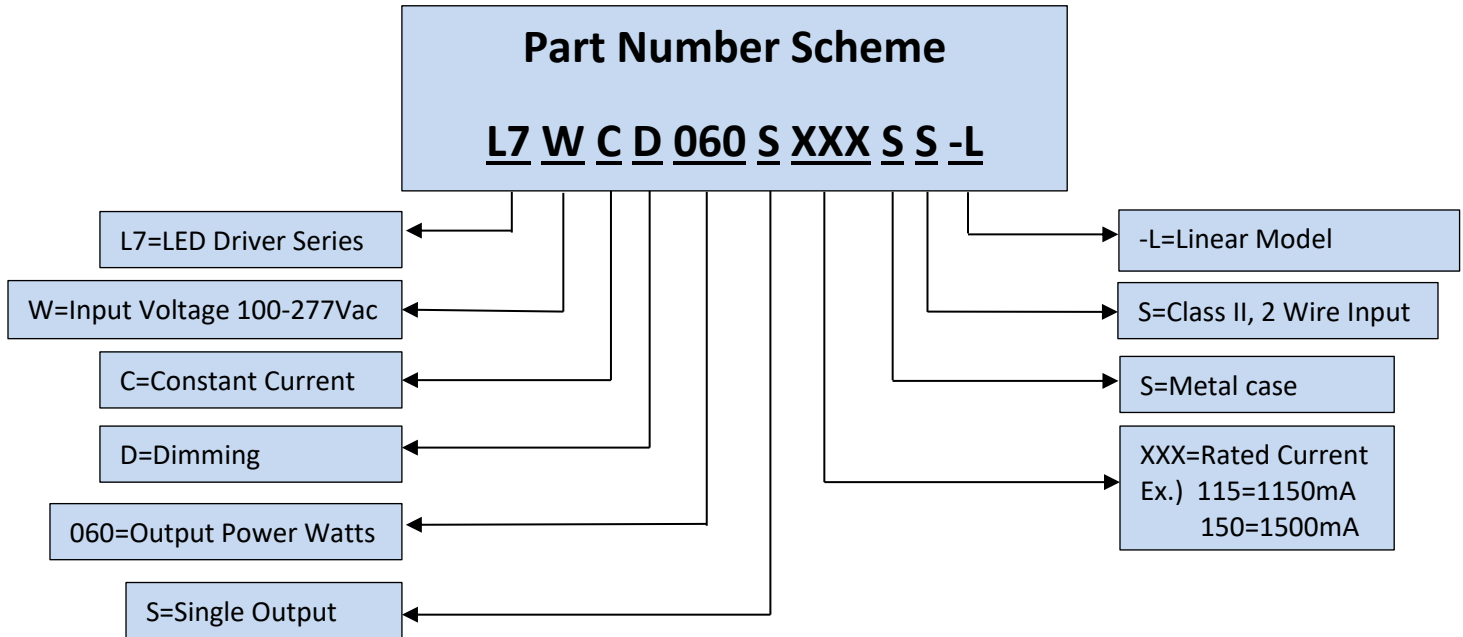
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## ■ 0-10V Dimming Curve



## ■ PWM Dimming





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