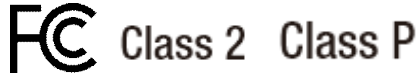




### ■ Features

- Output constant voltage
- UL, cUL listed, Class P, Type HL
- Universal AC input: 110-277VAC
- Power Factor: up to 0.99
- High efficiency : up to 85%
- Dimming range: 0-100%
- Load: 10-100%
- Protection: short circuit/over loading/ Over temperature
- PWM output, does not change the color index
- Full protection aluminum housing, for dry, damp, wet location (IP67)
- Flicker-free
- Compatible with Forward phase, Reverse phase, Triac, MLV, ELV Dimmers
- Cooling by free air convection
- Suitable for LED lighting and moving sign applications

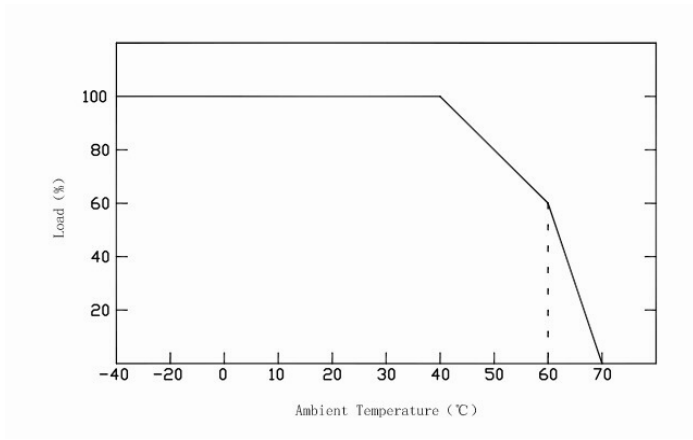


### ■ Specification

| Model        |                                 | HLG-24150-DTWRV  |
|--------------|---------------------------------|--|
| Certificates |                                 | FCC UL cUL   |
| Output       | DC Voltage                      | 24V  |
|              | Rated Current                   | 6.25A  |
|              | Rated Power                     | 150W   |
|              | Voltage Tolerance               | ±0.5V  |
|              | Voltage Regulation              | ±0.5%  |
|              | Load Regulation                 | ±1%  |
| Input        | Voltage Range                   | 110-277VAC   |
|              | Frequency Range                 | 47-63Hz  |
|              | Power Factor (Typ.) @ full load | 0.99@120VAC 0.94@277VAC  |
|              | THD (Typ.) @ full load          | <20%   |
|              | Efficiency (Typ.) @ full load   | 85%  |
|              | AC Current (Max.)               | 1.8A@110VAC  |
|              | Inrush Current (Typ.)           | 15A, 50%, 1.4ms  |
|              | Leakage current                 | <0.50mA  |
| Protection   | Short Circuit                   | shut down o/p voltage, re-power on to recover after fault condition is removed |
|              | Over Loading                    | ≤120% constant current limiting, auto-recovery                                 |
|              | Over temperature                | 100°C±10°C shut down o/p voltage, automatically recover after cooling.         |
| Environment  | Working TEMP.                   | -40~+60°C (see below derating curve)   |
|              | Working Humidity                | 20~90% RH, non-condensing  |
|              | Storage TEMP. Humidity          | -40~+80°C, 10~95%RH  |
|              | TEMP .coefficient               | ±0.03%/°C (0~50°C)   |
|              | Vibration                       | 10~500Hz, 5G 10min./1 cycle, period for 60min. each along X,Y,Z axes           |
| Safety& EMC  | Safety standards                | UL8750   |
|              | Withstand voltage               | I/P-O/P:1.88KVac   |
|              | Isolation resistance            | I/P-O/P:100MΩ/500VDC/25°C/70%RH  |
|              | EMC EMISSION                    | FCC Part 15 B  |
| others       | Net. Weight                     | 1.5Kg  |
|              | Size                            | 256*78*47mm (L*W*H)  |
|              | packing                         | 10PCS/CTN  |

|              |   |
|--------------|---|
| <b>Notes</b> | <p>1. All parameters if NOT specially mentioned are measured at 120VAC input , rated load and 25°C of ambient temperature.</p> <p>2. To extend the driver's using life ,please reduce the loading at lower input voltage.</p> |
|--------------|---|

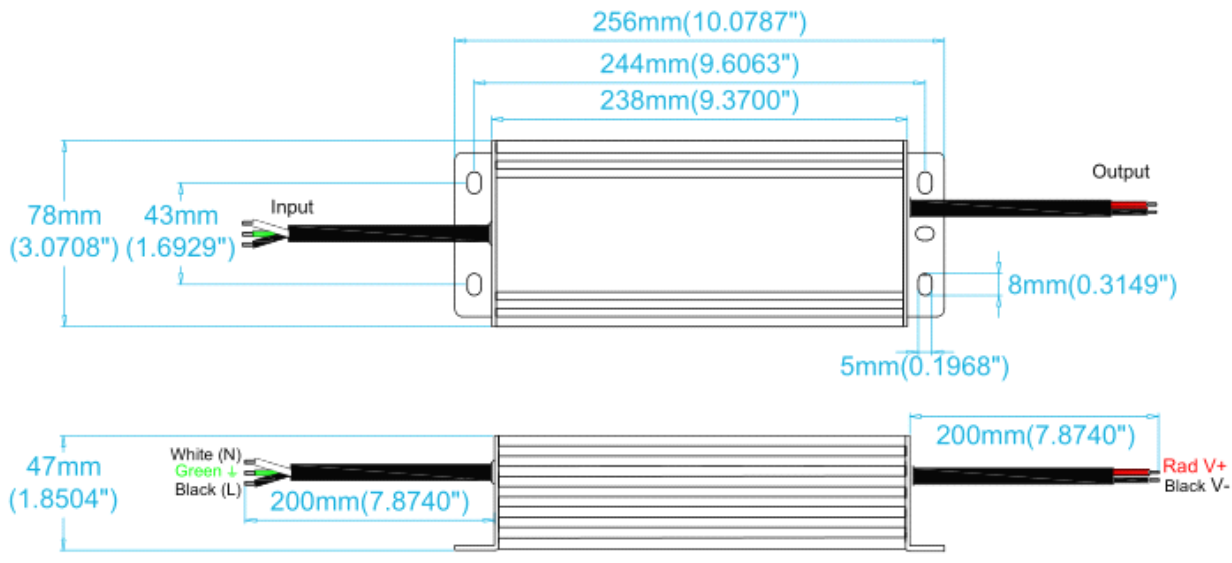
**Derating Curve**



※To extend their life, please refer to the Derating Curve and derate according to the temperature.

**Mechanical Specification**

Unite: mm  
Tolerance:P 0.5-2mm



- ※ Input Rubber wire 3\*18AWG Black and White to be connected to AC L and N ,Green wire go ground,
- ※ Output Rubber wire, 2\*16AWG Red to LED Positive side (+) , Black to LED Negative side (-).

**Dimming Operation**

- ※The Pulse-Width Modulation (PWM) of output voltage can be adjusted through input terminal of the AC phase line(L) by connection a phase/triac dimmer.
- ※Usually matching with Forward phase , leading edge , Magnetic low voltage, triac dimmers, or Reverse phase, trailing edge ,Electric low voltage Dimmers.
- ※Please try to use dimmers with power at least 1.5 times as the output power of the driver.

## ■ Connecting Diagram

