

### Features:

- 100-240V AC input
- Single Output
- 85% high efficiency
- 100% full load bur-in test
- Protection: OTP,OLP,OVP,SCP
- CE ROHS Certified
- 3 year warranty

### Applications:

- Indoor LED lighting
- LED office lighting
- LED commercial lighting
- LED decorative lighting



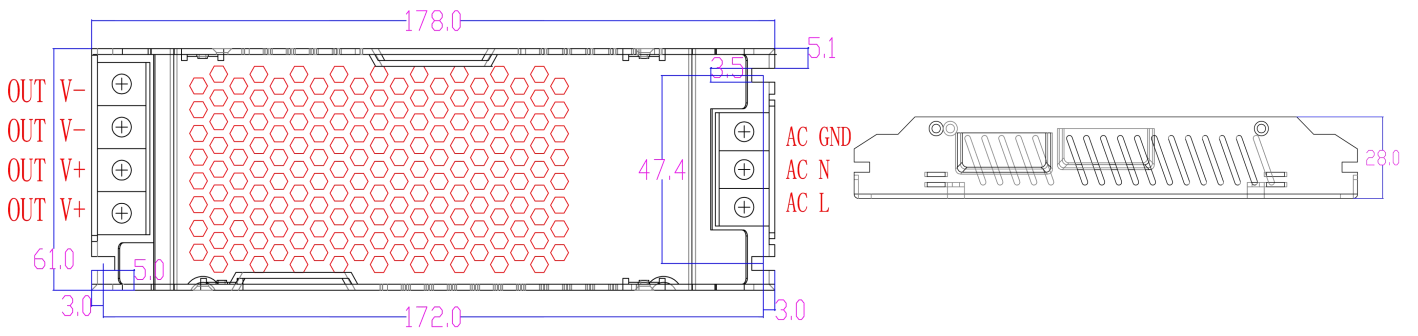
### Specifications

| Product Code     |  | CL150-W1V12   | CL150-W1V24 | CL150-W1V48 |
|------------------|--|---|-------------|-------------|
| Output           | DC Voltage   | 12V   | 24V         | 48V         |
|                  | Rated Current  | 12.5A   | 6.25A       | 3.13A       |
|                  | Current Range  | 0~12.5A   | 0~6.25A     | 0~3.13A     |
|                  | Voltage tolerance  | ±5%   | ±5%         | ±5%         |
|                  | Rated Power  | 150W  | 150W        | 150W        |
|                  | Ripple & Noise   | <120mVp-p   | <150mVp-p   | <150mVp-p   |
|                  | Set-up, Rise Time  | 1500ms, 30ms / 230VAC   |             |             |
| Input            | Input voltage range  | 100-240 VAC   |             |             |
|                  | Frequency Range  | 50~60Hz   |             |             |
|                  | AC Current   | 2.6A/115VAC 1.3A/230VAC   |             |             |
|                  | Efficiency   | 85%   | 88%         | 88%         |
|                  | PF   | 0.6   |             |             |
| Protection       | Over Load  | <b>Above 110%-150% of rated power</b>   |             |             |
|                  |  | Shut-down output voltage, auto recovery after fault condition is removed                                      |             |             |
|                  | Over Voltage   | <b>Above Max. Voltage (105% of rated voltage)</b>   |             |             |
|                  |  | Shut-down output voltage, auto recovery after fault condition is removed                                      |             |             |
| Over Temperature | <b>Over 130°C detected on main IC control</b>                            |   |             |             |
|                  | Shut-down output voltage, auto recovery after fault condition is removed |   |             |             |
| Ambiant          | Working Temp. & humidity   | "-20°C~+60°C, 20%~90%RH   |             |             |
|                  | Storage temp. & humidity   | "-40°C~+85°C, 10%~95%RH   |             |             |
| Tesings          | Withstand voltage  | I/P-O/P: 1.5KVAC/1min; I/P-F/G: 1.5KVAC/1min; O/P-F/G: 0.5KVAC/1min;  |             |             |
|                  | Safety   | GB4943 ;IEC60950-1; EN60950-1   |             |             |
|                  | EMC  | EN 55032:2015+A11:2020<br>EN IEC 61000-3-2:2019+A1:2021<br>EN 61000-3-3:2013+A2:2021<br>EN55035:2017+A11:2020 |             |             |
|                  | LVD  | EN60950-1:2006+A11:2009+A1:2010+A12:2011+A2:2013  |             |             |
| Others           | Demension(L*W*H)   | 178*61*28mm   |             |             |
|                  | Packing  | 0.3kg/pcs, 60pcs/19kg/CTN   |             |             |

# Mechanical Structures

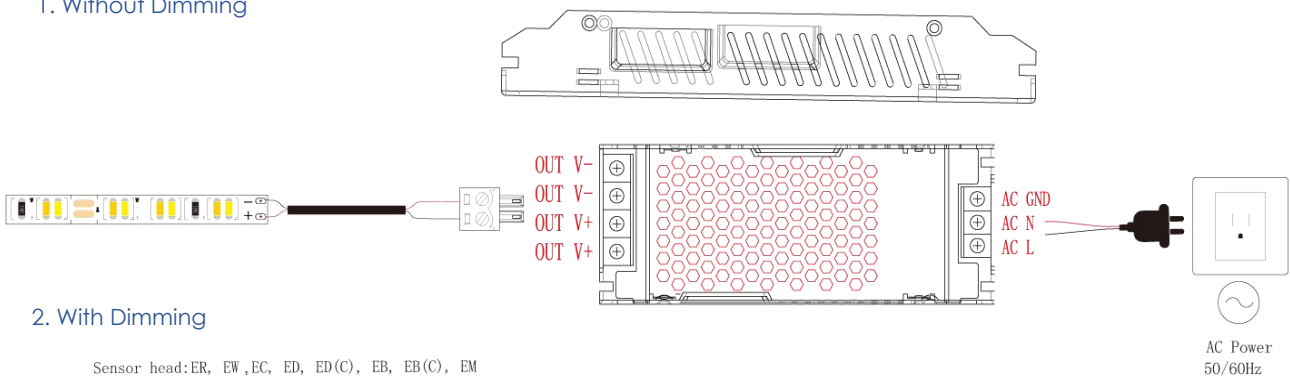
Vertical view

Side View

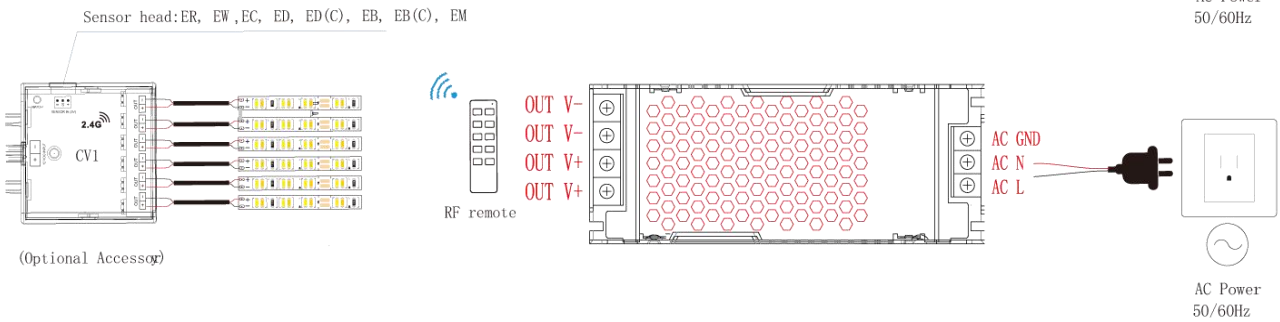


## Wiring Diagram

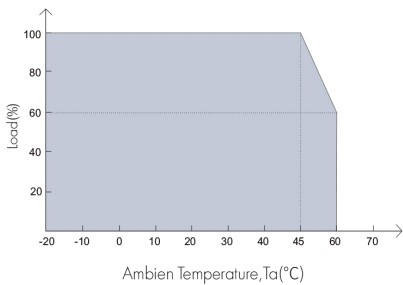
1. Without Dimming



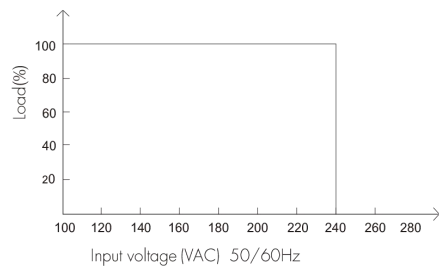
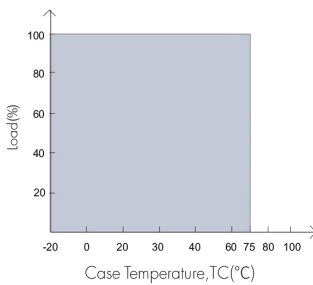
2. With Dimming



Outputload VS Temperature



Static characteristic



### Notes:

1. The above mentioned data were measured at 230VAC input and 25°C.
2. Dis-connect the AC input before checking any mal-phenomenons.
3. Make sure the INPUT&OUPUT were in right situation before connected to power supply.
4. Datasheet for reference only. We suggest you take sampling before mass orders.