



**Features:**

- Working with TRIAC ,0/1-10V, PWM signal or Resistance
- Compatibility with leading and trailing edge TRIAC dimmers
- 100% full load bur-in test
- Protection: OTP,OLP,OVP,SCP
- CE ROHS Certified
- 3 year warranty

**Applications:**

- Outdoor LED lighting
- LED office lighting
- LED commercial lighting
- LED decorative lighting

**Specifications**

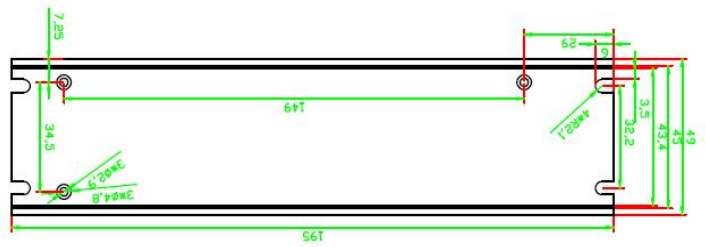
Product Code		CRS100-H1V12	CRS100-H1V24
Output	DC Voltage	12V	24V
	Rated Current	8.33A	4.16A
	Current Range	0~8.33A	0~4.16A
	Voltage tolerance	±5%	±5%
	Rated Power	100W	100W
	Ripple & Noise	<120mVp-p	<150mVp-p
	Set-up, Rise , Hold-up Time	200ms, 100ms , 30ms	
Input	Input voltage range	195-264 VAC	
	Frequency Range	50~60Hz	
	AC Current	0.65A / 230VAC	
	Efficiency	85%	88%
	PF	0.6	
Protection	Over Load	<b>Above 105%-120% 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 105°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: 3KVAC/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 EN IEC 61000-3-2:2019+A1:2021 EN 61000-3-3:2013+A2:2021 EN55035:2017+A11:2020	
	LVD	EN60950-1:2006+A11:2009+A1:2010+A12:2011+A2:2013	
Others	Demension(L*W*H)	230*50*30mm	
	Packing	0.22kg/pcs, 36pcs/7.5kg/CTN	

## Mechanical Structures

Side View



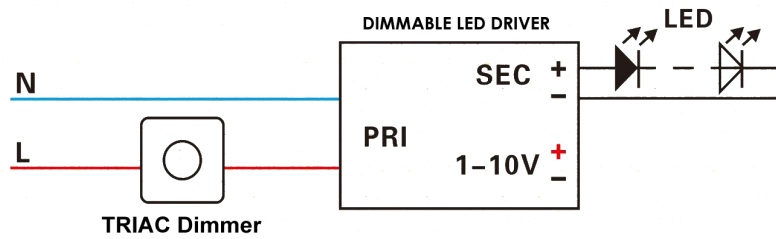
Vertical view



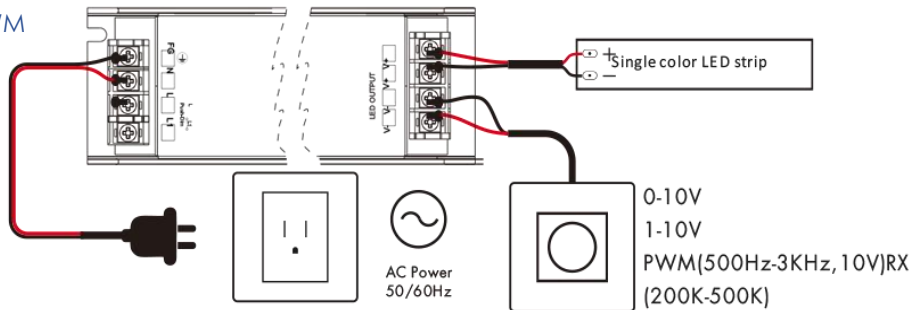
## Wiring Diagram

### TRIAC (SRC) Dimmable Wiring Diagram

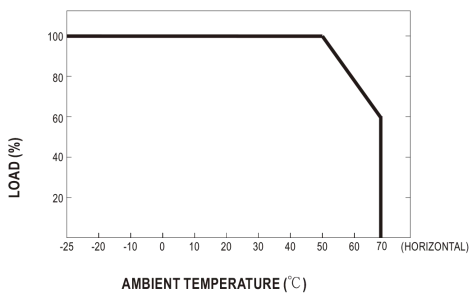
1. Triac dimable



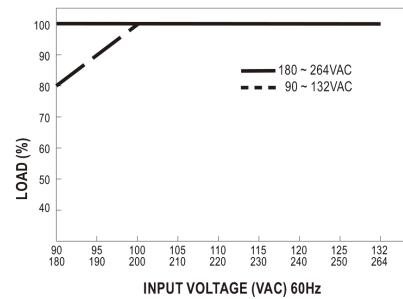
2. 0/1-10V, PWM



Drating Curve



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.