

ILDRCVC115

Summary

ILDRCVC115 is a constant voltage mode output LED driver. The driver supports leading edge (Triac) and trailing edge (ELV) dimmer, and can be compatible with the systems of various brands (Philips, Panasonic, Lutron, Simon, ABB,Bunge, Siemens etc.) to achieve a smooth dimming effect.

Product Feature

- Single-channel constant voltage output, 6.25A Max.
- Support Leading edge (Triac) and Trailing edge (ELV) Dimmer
- Dimming range from 40VAC to 240V AC
- Dimming effect smooth, no flicker
- High efficiency: up to 90%
- Load protection; Overcurrent protection; Short-circuit protection



Application



Wall Washer



LED Strip Light



LED Tube



Underground Light

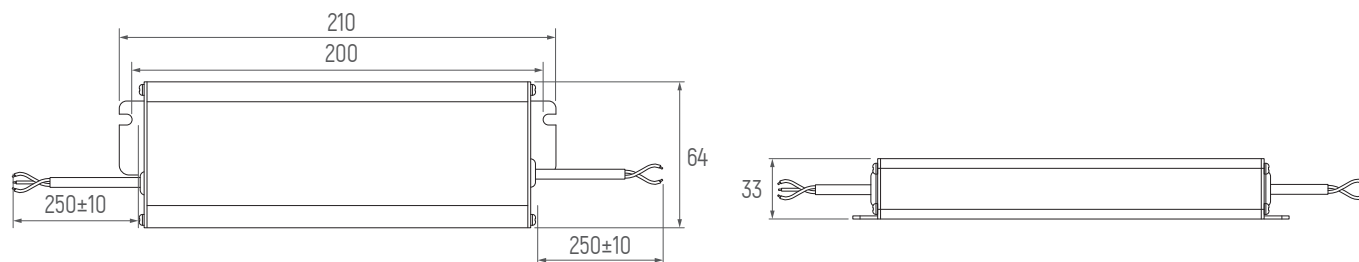


AR111 Venture Light

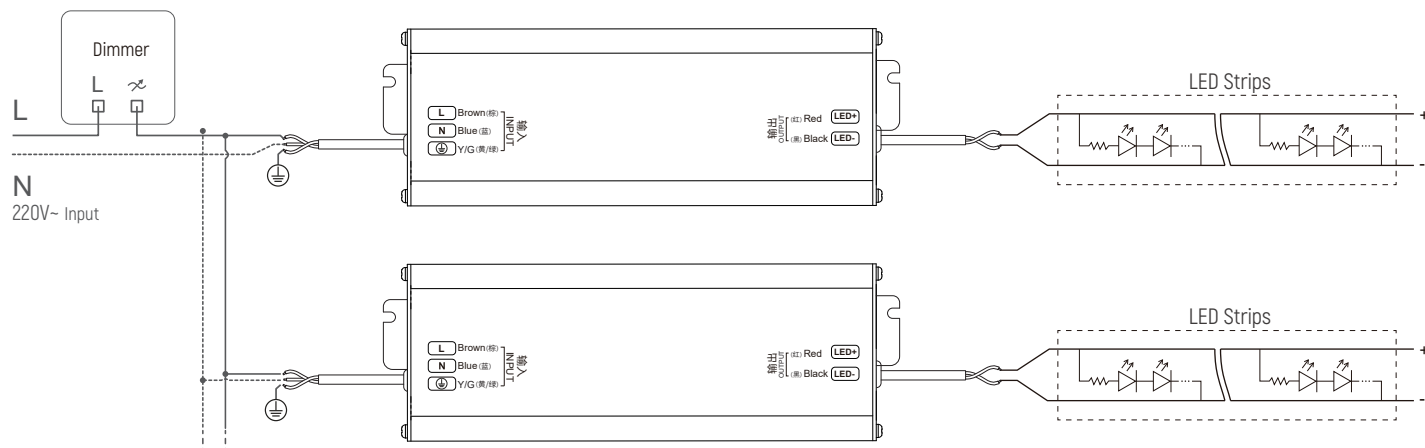
Technical Parameters

Model	ILDRCVC115	
Input	Efficiency	≥90%@230VAC, Full load
	Voltage	200VAC-240VAC
	Frequency	50-60Hz
	Power Factor	≥0.95@230VAC, Full load
	THD	<10%@230VAC, Full load
	Current	1Amax@230VAC
	Inrush Current	Cold start,80A@230VAC 128us
	No load power	≤2.5W@230VAC
	Turn on delay Time	≤ 1.5 s, at230Vac (When the light begins to shine)
Output	Direct voltage	24VDC
	Rated current	6.25A
	Rated Power	150W
	No load output voltage	25.2V max
	Ripple Voitage	±3%
	Voltage Accuracy	±5%
	Channel	1
Protection	Over load	Reduce current hiccup protection and troubleshoot normal output
	Short circuit	There is no output in short circuit, and the output is normal for troubleshooting
	Over Current	Reduce current hiccup protection and troubleshoot normal output
Safety&EMC	Surge	L-N 1000VAC    L-N-PG 3000VAC
	Withstand Voltage	I/P-O/P:2000VAC/1min/5mA    I/P-PG:1500VAC/1min/5mA    O/P-PG:500VAC/51min/mA
	Safety Standards	EN61347-1    EN61347-2-13
	Insulation Resisance	5MΩ
Function	Dimming mode	Triac phase cut (40-240VAC)
	Dimming range	0.3%-100%
	Dimming curve	Logarithm
Others	Working Temp.	-20℃~+50℃@230VAC Input
	Storage Temp.; Humidity	-40℃~85℃, 20-90%RH
	Tc	80℃
	Material	Metal
	IP Rating	IP67
	Lifetime	50,000h@tc:80℃
	Warranty Condition	5 years
	Switch Cycle	>25,000 times
	Packing Size	Net weight: 750g±5%/PCS; 20PCS/Carton; 15.5kg±5%/Carton; Carton Size: 347*233*214mm(L*W*H)
	Dimension	210*64*33mm(L*W*H)

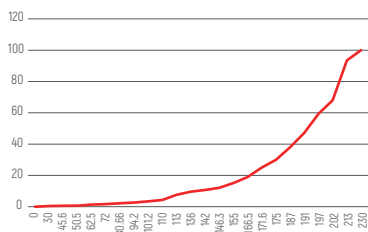
## Dimension(mm)



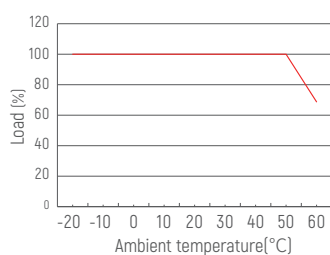
## Wiring Diagram



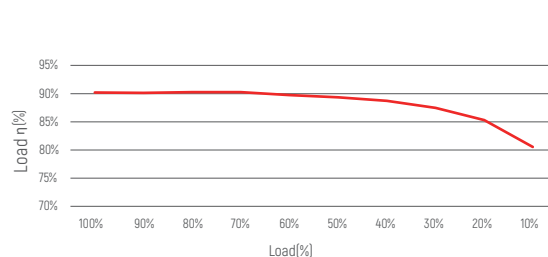
## Dimming Curve



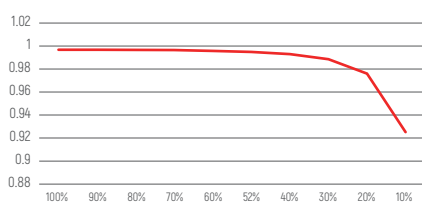
## Derating Curve



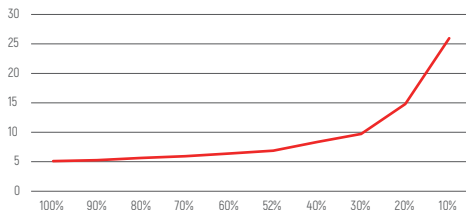
## Eff. vs Load



## PF vs Load



## THD vs Load



## Cautions

1. The product shall be installed and serviced by a qualified person.
2. Good heat dissipation will prolong the working life of the controller. Please ensure good ventilation.
3. Please check if the output voltage and current of any LED power supplies used comply with the requirement of the product.
4. Please ensure that adequate sized cable is used from the controller to the LED lights to carry the current. Please also ensure that the cable is secured tightly in the connector.
5. If a fault occurs please return the product to your supplier. Do not attempt to fix this product by yourself.

※ The contents of this manual are updated without prior notice. If the function of the product you are using is inconsistent with the instructions, the function of the product shall prevail. Please contact us if you have any questions.