

AWS600A-1UMC

Summary

AWS600A-1UMC is a LED driver with adjustable output current, can adjust the current through Potentiometer, support 0-10V active signal /adjust resistance/ PWM signal, can be used as normal driver when signal suspending.

Product Features

- Support 3-in-1 dimming mode(0-10V active signal, adjustable resistance, PWM)
- Wide input voltage of 100VAC ~ 277VAC
- High efficiency up to 94%
- IP Rating: IP 67
- Built-in active PFC function
- 100% output when no dimming signal input, can be used as normal power supply
- Protections: Short circuit, Over load, Over Voltage
- Suitable LED lighting application, such as down light, panel light, and so on

Technical Parameters



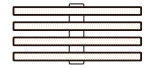
Application



Flooflights



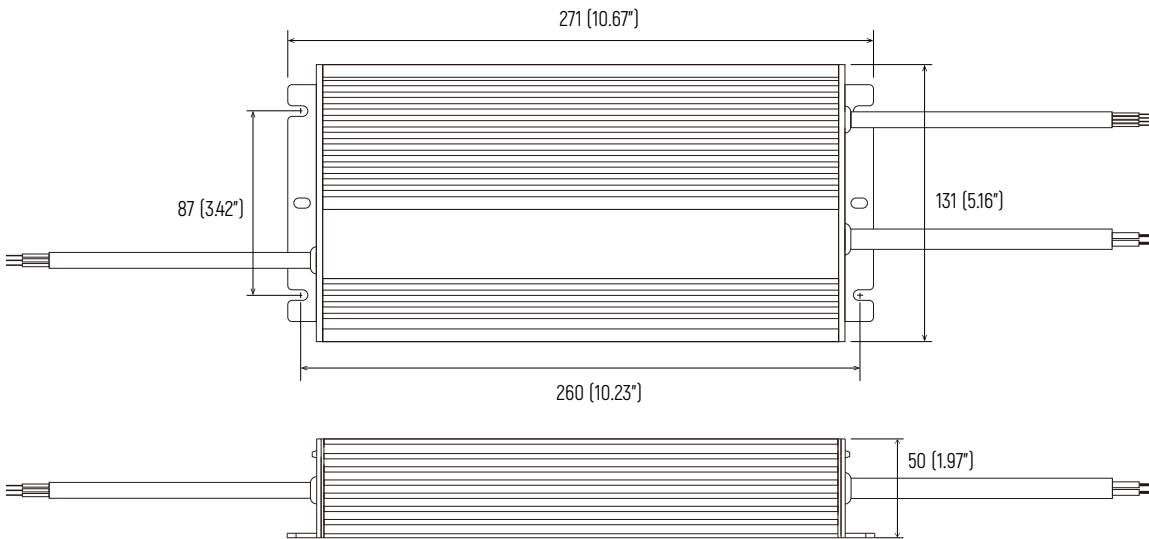
Street Lights



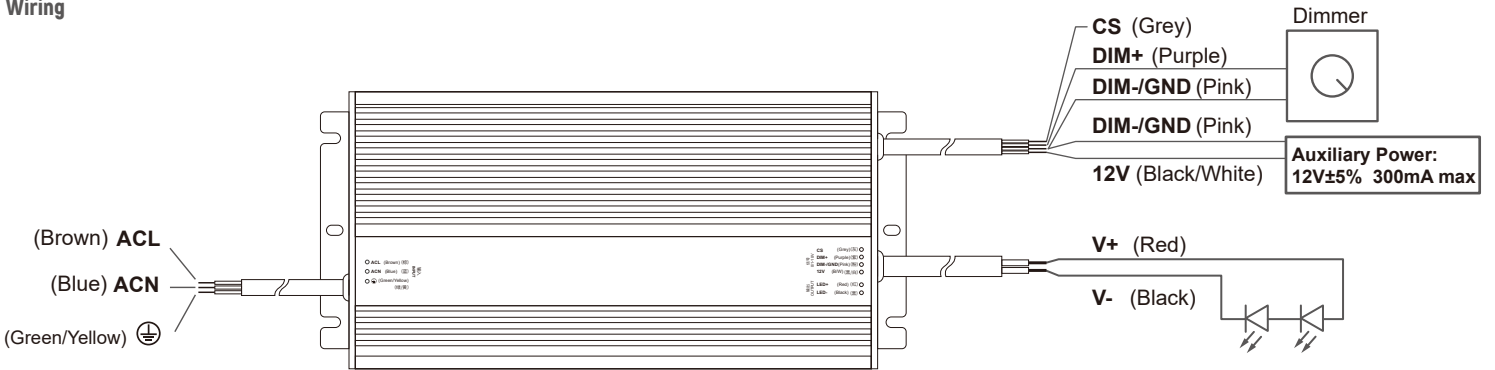
Horticulture Lights

Model	AWS600A-1UMC	
Input	Efficiency	94%@230VAC,Full load
	Voltage	100VAC-277VAC
	Frequency Range(Hz)	50/60Hz
	Power Factor	≥0.95@230VAC,Full load
	THD(full load)	<15%@230VAC, Full load
	Standby Power	≤2W
	AC Current(max)	7Amax@100VAC
	Inrush Current(max)	Cold start,100A@230VAC 100us
Output	Current(A)	11.8A(Optional current: 5A/6A/7A/8A/9A/10A/11A/11.8A)
	Voltage (VDC)	27-54VDC
	Power(W)	600W
	Channel	1
	Current Tolerance	±5%
	No load output voltage	60V Max
	Turn on delay Time	<0.75s, at230Vac (When the light begins to shine)
	Auxiliary Power	12V±5% 300mA max 3.6W
Function	Dimming Type	0-10V active signal /adjust resistance/ PWM signal
	Dimming Range	5%-100%
Protection	Short Circuit	after fault removed Close output ,the output current recovers automatically
	Over Voltage	Reduced current hiccup protection
	Over Load	Reduced current hiccup protection
Safety& EMC	Surge	L-N 6KV L-PE 10KV N-PE 10KV
	Withstand Voltage	I/P-O/P: 3000Vac/1min/<10mA I/P-GND:1500Vac/1min/<10mA O/P-GND:500Vac/1min/5mA O/P-DIM[Signal port]:1500Vac/1min/<5mA
	Safety Standards	EN61347, GB19510
	EMC Eission	EN50515, EN61000-3-2
	EMC Immunity	EN61000-4-2, 3, 4, 5, 6, 8, 11; EN61547
Others	Working Temp.	-20°C~50°C [-4°F~122°F]
	Storage Temp., Humidity	-40°C~85°C [-40°F~185°F] , 20-90%RH
	tc	90°C (194°F)
	Material	Metal
	IP Rating	IP67
	Lifetime	50,000h@tc:70°C (158°F)
	Warranty Condition	5 years
	Switch Cycle	>25,000 times
	Packing(weight)	Net weight: 2850g(6.29 lb)±5%/PCS; 10PCS/Carton; 29kg(63.93 lb)±5%/Carton; Carton Size:595*320*168mm [23.4*12.6*6.61 Inch] [L*W*H]
	Dimension	271*131*50mm [10.67*5.16*1.97 Inch] [L*W*H]

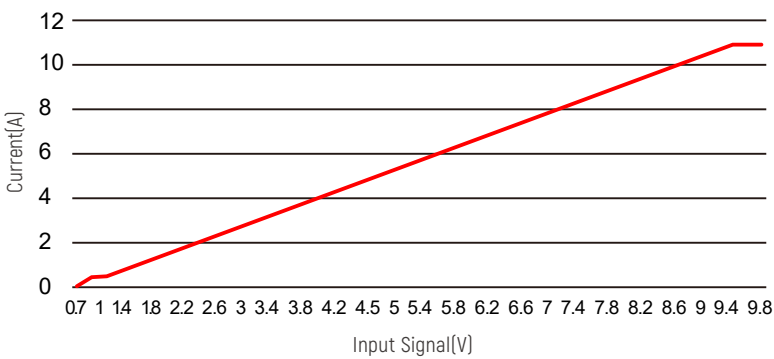
Dimension(mm)



Wiring



Dimming Curve



Cautions

- 1.This product should be installed by qualified personnel.
- 2.Good heat dissipation conditions extend product life. Please install the product in a well-ventilated environment.
- 3.Please make sure LED power supply output voltage, current is used to meet the product requirements.
- 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.In case of malfunction, do not repair it 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.