

AWS480D-1UMC

Summary

AWS480D-1UMC is a 480W AC/DC constant current mode output LED driver complies with DALI standard protocol IEC 62386. AWS480D-1UMC can be connected to DALI main controller smooth dimming effect.



Product Features

- Meet DALI Protocol IEC 62386-207
- High efficiency up to 94 %
- Built-in active PFC function
- Dimming effect smooth, no flicker
- Protections: Short circuit, over load, Over Voltage
- Suitable LED lighting application, such as down light,Spotlight,Flood Light, and so on



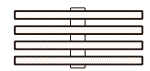
Application



Floofinghts



Street Lights

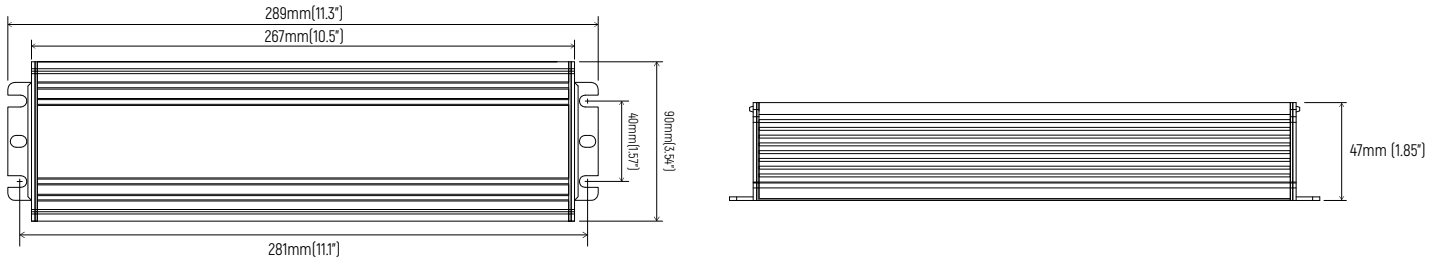


Horticulture Lights

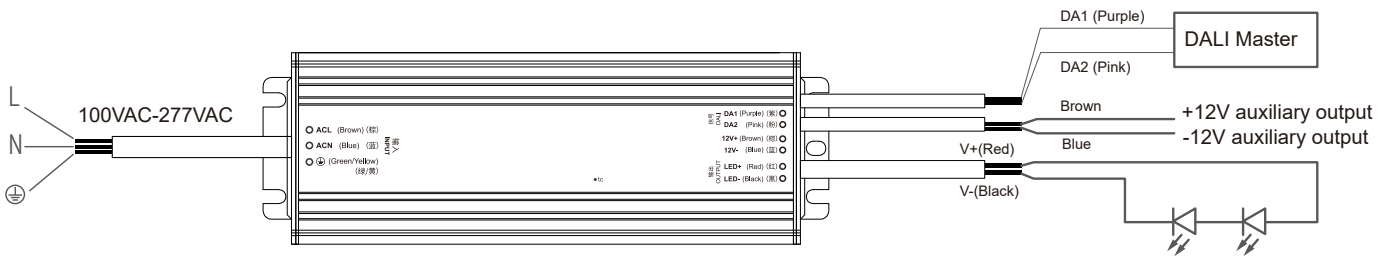
Technical Paramaters

Model	AWS480D-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)	≤10%@230VAC, Full load
	Standby Power	<1W
	AC Current(max)	3Amax@230VAC
	Inrush Current(max)	Cold start,100A@230VAC 100us
Output	Current(mA)/Voltage (VDC) Power(W)	10A/27-48VDC/480W
	Channel	1
	Current Tolerance	±5%
	No load output voltage	60V Max
	Auxiliary Power	12V±5% 300mA max
Function	Dimming Type	DALI
	Dimming Range	5%-100%
Protection	Short Circuit	after fault removed Close output ,the output current recovers automatically
	Over Load	When the output voltage is exceeded, the output current decreases and, recovers automatically when the load is reduced.
	Over Voltage	Reduced current, hiccup protection
Safety& EMC	Surge	L-N:6kV ; L&N-GND:10kV ;
	Withstand Voltage	I/P-O/P: 3KVAC/1min< 5mA,I/P-FG:1.5KVAC,OP-GND : 500VAC,O/P-DIM:1.5KVAC
	Safety Standards	EN61347-1, EN61347-2-13,UL8750
	EMC Eission	EN50515, EN61000-3-2,FCC Part 15 Class B
	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	75°C (167°F) @230Vac
	Material	Metal
	IP Rating	IP67
	Lifetime	50,000h@tc:75°C (167°F)
	Warranty Condition	5 years
	Switch Cycle	>25,000 times
	Packing(weight)	Net weight: --g±5%/PCS; 10PCS/Carton; --kg±5%/Carton; Carton Size:327*288*246mm [12.87*11.3*9.68 Inch] [L*W*H]
	Dimension	289*90*47mm [11.3*3.54*1.85 Inch] [L*W*H]

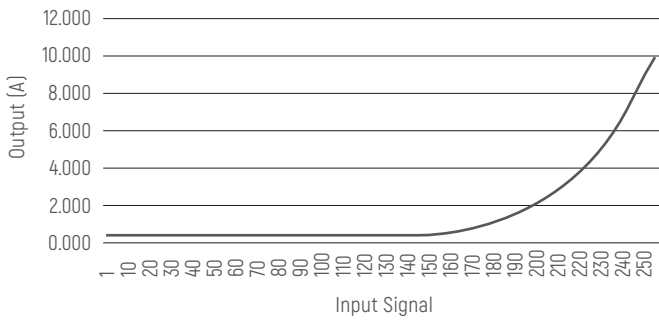
Dimension(mm)



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.