

AWS150D-1U4200C

Summary

AWS150D-1U4200C is a 150W AC/DC constant current mode output LED driver complies with DALI standard protocol IEC 62386. AWS150D-1U4200C can be connected to DALI main controller smooth dimming effect.

Product Features

- Meet DALI Protocol IEC 62386-207
- High efficiency up to 91 %
- Built-in active PFC function
- Dimming effect smooth, no flicker
- Protections: Short circuit, over load,
- Suitable LED lighting application, such as down light,Spotlight,Flood Light, and so on

Technical Paramaters

Model	AWS150D-1U4200C	
Input	Efficiency	91%@230VAC,Full load
	Voltage	100VAC-277VAC
	Frequency Range(Hz)	50/60Hz
	Power Factor	≥0.98@230VAC,Full load
	THD(full load)	<10%@230VAC, Full load
	Standby Power	<0.5W
	AC Current(max)	0.72Amax@230VAC
	Inrush Current(max)	Cold start,60A(twidth=89us measured at 50% Ipeak)@230VAC
Output	Current(mA)/Voltage (VDC) Power(W)	2800-4200mA (Default setting:4200mA) /27-52VVDC/150W
	Ripple Current	3%
	Channel	1
	Current Tolerance	±5%
	No load output voltage	60V 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.
Safety& EMC	Surge	L-N:6kV ; L&N-GND:10kV ;
	Withstand Voltage	I/P-O/P: 3000VAC/1min/5mA I/P-GND:1500VAC/1min/5mA O/P-GND:500VAC/1min/5mA O/P-DIM(Signal port):1500VAC/1min/5mA
	Safety Standards	EN61347-1, EN61347-2-1,UL8750
	EMC Eission	EN50515, EN61000-3-2
	EMC Immunity	EN61000-3-3, EN61000-3-2, EN61547
	Other EMC	EN55015 FCC Part 15 Class B
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	85°C (185°F)
	Material	Metal
	IP Rating	IP67
	Lifetime	50,000h@tc:85°C (185°F)
	Warranty Condition	5 years
	Switch Cycle	>25,000 times
	Packing(weight)	Net weight: --g±5%/PCS; 20PCS/Carton; --kg±5%/Carton; Carton Size:472*246*242mm (18.5*9.7*9.5 Inch) (L*W*H)
	Dimension	200*67.6*33.5mm (7.87*2.67*1.31 Inch) (L*W*H)



IP67 SELV

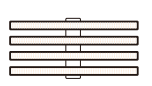
Application



Floofinghts

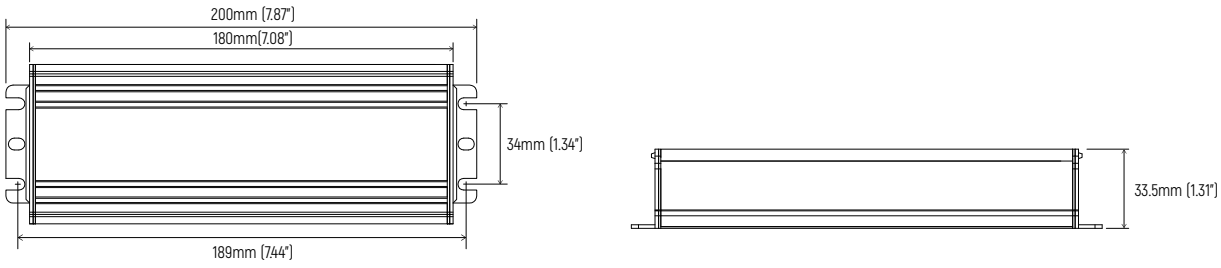


Street Lights

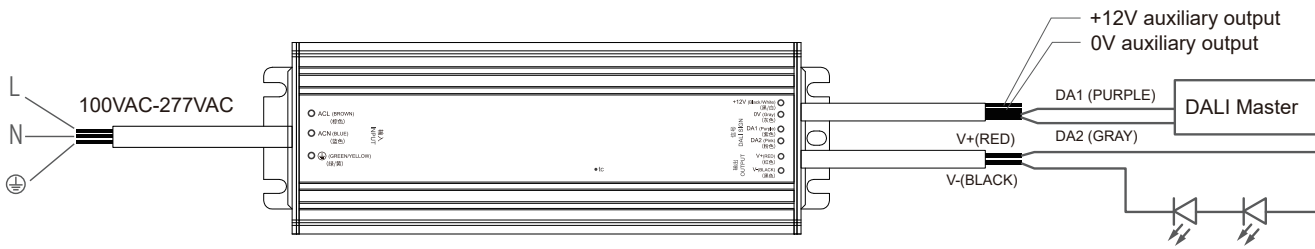


Horticulture Lights

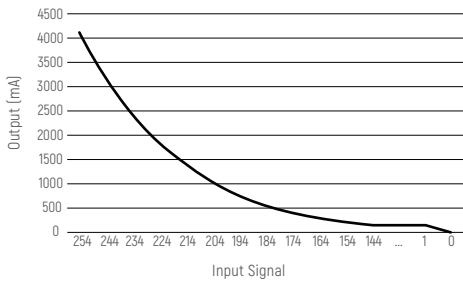
Dimension(mm)



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 .