

AWS480D-1H24V (Product No.: 102200720101)

Summary

AWS480D-1H24V is a dimming driver that can provide constant voltage output. Complies with DALI standard protocol IEC 62386. Use DALI master or DALI panel dimming , with smooth dimming curve and are flicker free.

Product Features

- Single channel output with 24V CV direct current
- With built-in active PFC function
- Meet DALI protocol IEC 62386-207
- Ultra-thin design, Waterproof level IP67, High efficiency up to 93%
- Dimming effect smooth, no flicker
- Protections: Short circuit, over load, lightning protection
- suitable for LED CV lighting, such as LED module, LED strip light, LED tube, and so on



IP67 SELV



Application



Wall Washer



LED Strip Light



LED Tube



Underground Light

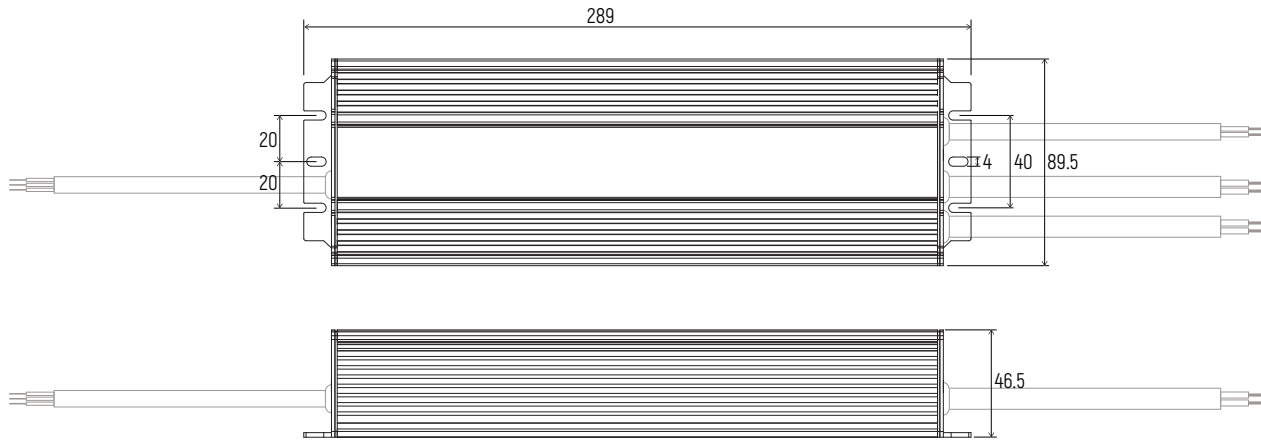


AR111 Venture Light

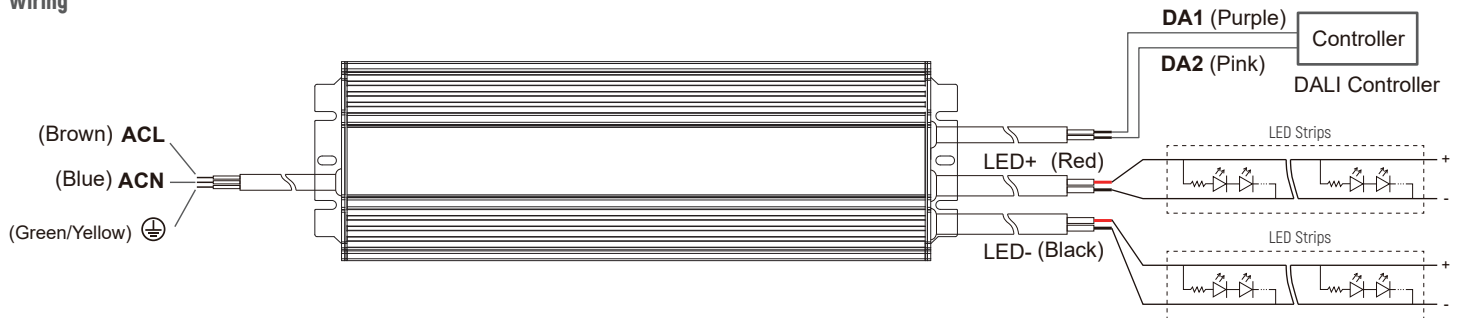
Technical Paramaters

Model	AWS480D-1H24V	
Input	Voltage	220VAC-240VAC
	Frequency Range(Hz)	50/60Hz
	Efficiency	≥93%@230VAC, full load
	PF	≥0.95@230VAC, full load
	Current	3Amax@230VAC
	THD(full load)	≤10%@230VAC, 满载
	Inrush current	Cold start,,100A@230VAC 100us
output	Channel	1
	Voltage	24VDC
	Current	20A
	Power	480W
	Voltage tolerance	±5%
	No load output voltage	25VDC MAX
	Standby power	< 0.75W
	Turn on delay Time	<0.75s, at230Vac (When the light begins to shine)
Function	Dimming type	DALI
	Dimming range	0.3%-100%
Protection	Over Voltage	nothing
	Over load	Hiccup protection, self recovery after fault removal
	Short circuit	Turn off the output. After removing the fault, it needs to be powered on again to have output
Safety&EMC	Surge	L-N: 6KV L&N-PE::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 Emission	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
	tc	80°C@230Vac
	Storage Temp., Humidity	-40°C~85°C, 20-90%RH
	Lifetime	50,000小时@tc:80°C
	IP rating	IP67
	Material	Metal shell
	Switch cycle	>25,000 times
	Packing size	Net weight: 1800g ± 5% / PCS; 10PCS/Cartron; 18.5kg ± 5% / box; Outer box size: 327*281*246mm (length * width * height)
	Dimension	289 *89.5*46.5mm Shell size(L*W*H)

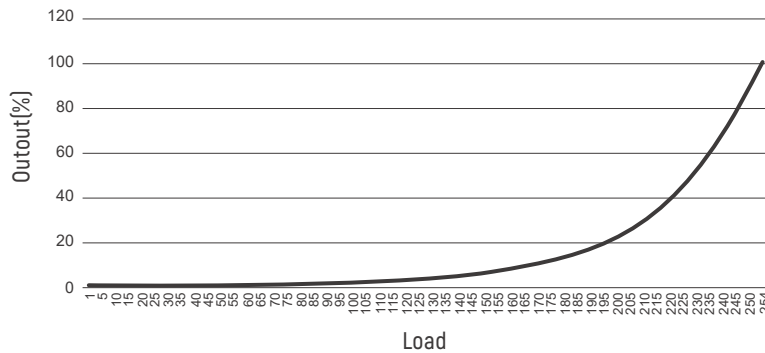
Dimension(mm)



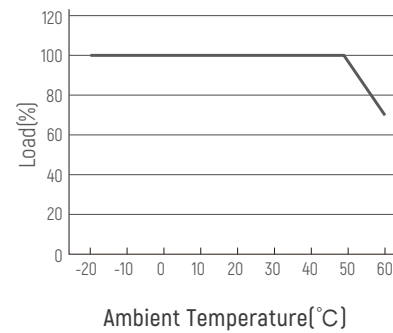
Wiring



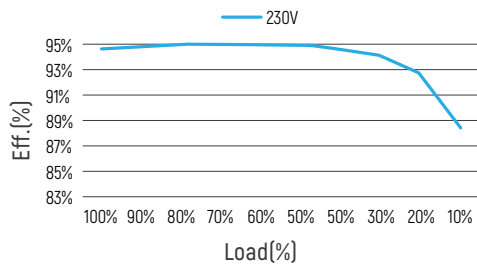
Dimming Curve



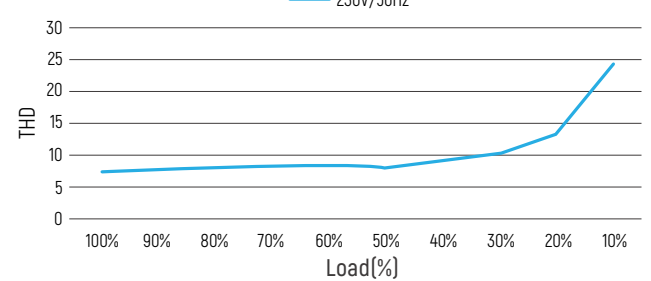
Derating Curve



Efficiency Curve



THD 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.

AWS480D-1H24V (产品代码:102200720101)

概述

AWS480D-1H24V是一款可提供恒压输出的调光驱动器符合DALI标准协议IEC62386。
用DALI主控或DALI面板调光，曲线平滑、无闪烁。

产品特点

- 单通道恒压直流24V输出
- 宽电压输入含主动PFC, 足功率输出
- 遵循DALI协议标准 IEC62386-207
- 超薄设计, 防水等级IP67, 效率高达93%
- 平滑调光效果, 无间隔
- 保护：防雷, 短路保护, 过载保护
- 适用于LED恒压灯具, 如LED模组, 灯带, 灯条等



IP67 SELV

应用



洗墙灯



LED灯带



LED硬灯条



地埋灯



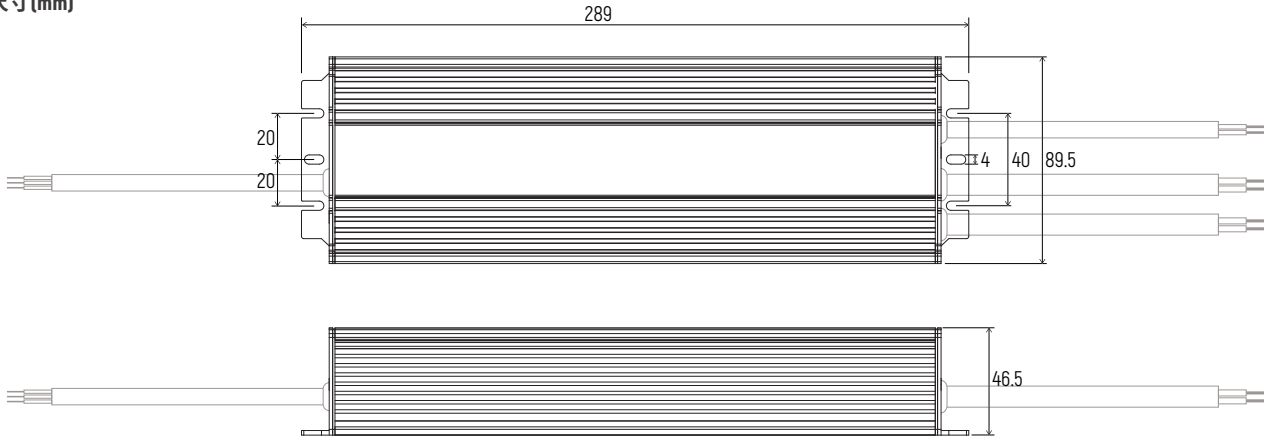
AR斗胆灯



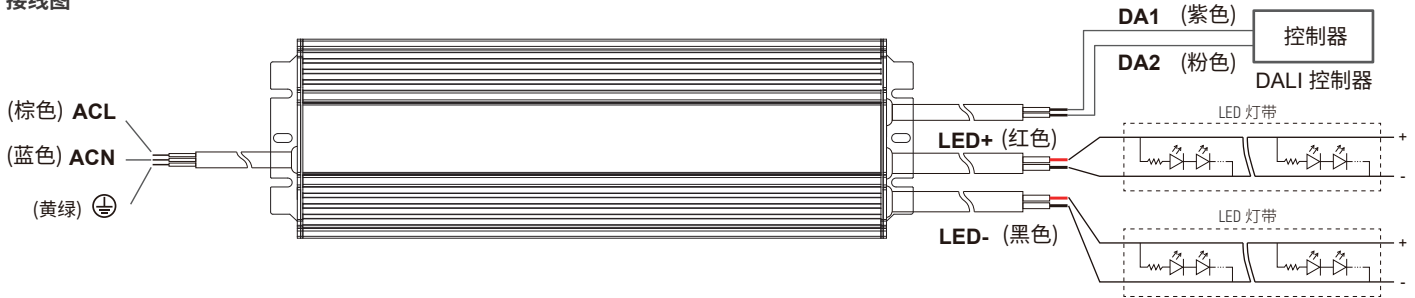
技术参数

型号	AWS480D-1H24V	
输入	电压	220VAC-240VAC
	频率	50/60Hz
	效率	≥93%@230VAC, full load
	功率因素	≥0.95@230VAC, full load
	电流	3Amax@230VAC
	THD	≤10%@230VAC, 满载
	浪涌电流	Cold start,,100A@230VAC 100us
输出	通道	1
	电压	24VDC
	电流	20A
	功率	480W
	电压公差	±5%
	空载输出电压	25VDC MAX
	待机功耗	< 0.75W
	启动延时	<0.75s, at230Vac (When the light begins to shine)
功能	调光方式	DALI
	调光范围	0.3%-100%
保护	过电压	无
	过负载	打嗝保护，去除故障后自恢复
	短路	关闭输出，去除故障后需重新上电才有输出
安全 & 电磁兼容	浪涌	L-N: 6KV L&N-PE:10KV
	耐压	I/P-O/P: 3KVAC/1min<5mA,I/P-FG:1.5KVAC,OP-GND： 500VAC, O/P-DIM:1.5KVAC
	安全标准	EN61347-1, EN61347-2-13,UL8750
	电磁兼容	EN50515, EN61000-3-2,FCC Part 15 Class B
	EMC抗扰度	EN61000-4-2, 3, 4, 5, 6, 8, 11; EN61547
其它	工作温度	-20°C-50°C
	tc温度点	80°C@230Vac
	储存温度、湿度	-40°C-85°C, 20-90%RH
	寿命	50,000小时@tc:80°C
	防水等级	IP67
	材质	金属外壳
	开关周期	>25,000 times
	包装尺寸(重量)	净重: 1800g±5%/PCS; 10PCS/Carton; 18.5kg±5%/箱; 外箱尺寸: 327*281*246mm(长*宽*高)
	尺寸	289*89.5*46.5mm外壳尺寸[L*W*H]

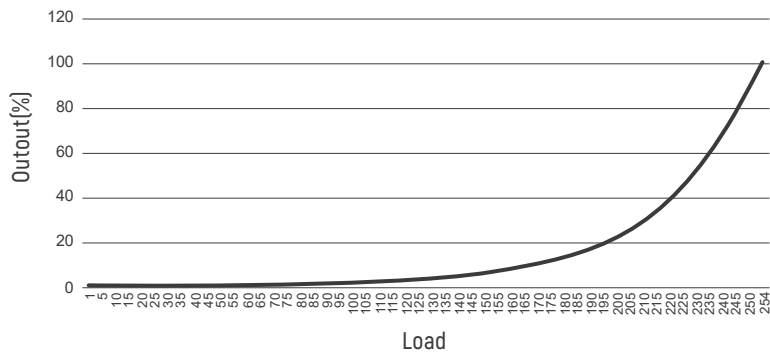
尺寸(mm)



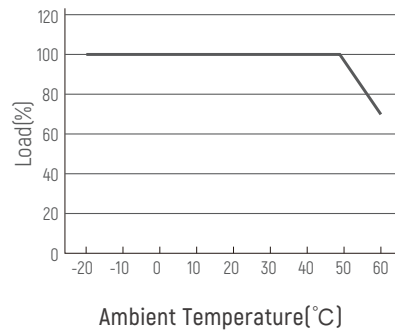
接线图



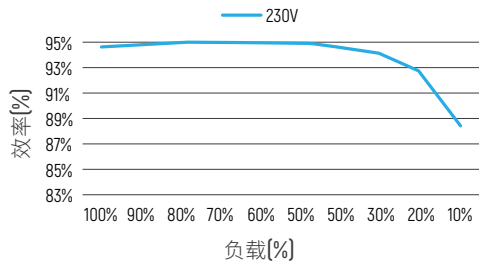
调光曲线



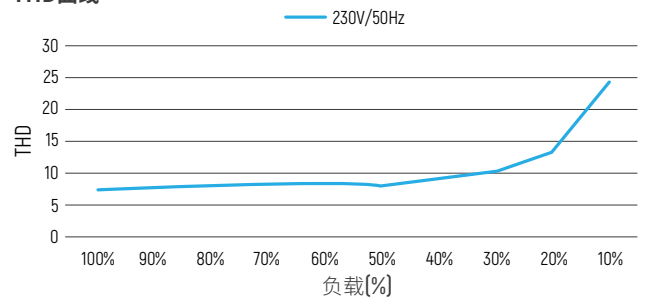
降额曲线



效率曲线



THD曲线



注意事项:

- 1、本产品请由具有专业资格的人员进行调试安装。
- 2、良好的散热条件会延长产品的使用寿命，请把产品安装在通风良好的环境。
- 3、请检查使用的LED电源输出电压电流，是否符合产品要求。
- 4、通电调试前，应确保所有接线正确，以避免因接线错误而导致灯具损坏。
- 5、如果发生故障，请勿私自维修；如果有疑问，请联系供应商。

※ 本说明书内容如有更新，恕不另行通知。若您使用的产品功能与说明书不一致时，请以产品为准。
如有疑问请与我们联系。