

EULP65A-1HMC

Summary

EULP65A-1HMC is a constant current output mode LED driver. The output current can be easily set via DIP switch, and the driver can be adjusted by the external 0/1-10VDC active signal, PWM signal , or adjustable resistance to achieve the smooth dimming effect.

Product Features

- Single channel output, output current level selectable by DIP S.W.
- Support 3-in-1 dimming mode(0/1-10V active signal, adjustable resistance, PWM)
- High input voltage of 220VAC ~ 240VAC
- High efficiency up to ≥87%
- 100% output when no dimming signal input, can be used as normal power supply
- Protections: Short circuit, over load



Application



Technical Paramaters

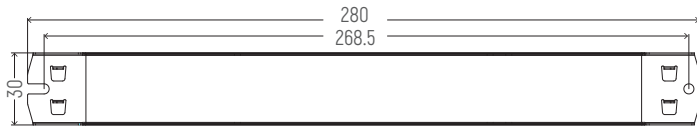
Model	EULP65A-1HMC				
Input	Efficiency	≥87%@230VAC,Full load			
	Voltage	220VAC-240VAC			
	Frequency Range(Hz)	50/60Hz			
	Power Factor	≥0.95@230VAC,Full load			
	THD(full load)	≤10%@230VAC, Full load			
	AC Current(max)	0.41Amax@220VAC			
	Inrush Current(max)	Cold start,25A@230VAC 120us			
	No load Power	≤0.5W			
	Standby power	≤0.5W			
	Turn on delay Time	≤0.5s, at230Vac (When the light begins to shine)			
Output	Current(mA)/Voltage (VDC)	700mA/9-54V/37.8W	800mA/9-54V/43.2W	900mA/9-54V/48.6W	1000mA/9-54V/54W
	Power(W)	1100mA/9-54V/59.4W	1200mA/9-54V/64.8W	1300mA/9-50V/65W	1400mA/9-46V/64.4W
	Channel	1			
	Current Accuracy	±5%			
	Ripple current	3%			
	No load output voltage	59.5VDC max			
Function	Dimming range	0.2%-100%			
	Dimming Type	0/1-10V active signal, adjustable resistance, PWM			
	Dimming curve	Linearity			
	Flicker	No Flicker			
Protection	Short circuit	Short circuit no output, troubleshooting output normal			
	Over Load	Reduce current hiccup protection, troubleshoot normal output			
	Over Voltage	Reduce current hiccup protection, troubleshoot normal output			
Safety& EMC	Surge	L-N 1000VAC L/N-GND 2000VAC			
	Withstand Voltage	I/P-O/P: 3750Vac/1min/<5mA O/P-Signal:1500Vac/1min/<5mA			
	Safety standards	EN61347, GB19510			
	EMC Eission	EN55015, EN61000-3-2			
	EMC Immunity	EN61000-3-2, 3, 4, 5, 6, 8, 11; EN61547			
	Insulation Resisance	5MΩ			
Others	Working Temp.	-20°C~50°C			
	Storage Temp., Humidity	-40°C~85°C, 20-90%RH			
	tc	80°C			
	Material	Metal			
	IP Rating	IP20			
	Lifetime	50,000h@tc:50°C			
	Warranty Condition	5 years			
	Switch Cycle	>25,000 times			
	Packing(weight)	Net weight: 225g±5%/PCS; 50PCS/Carton; 11.75kg±5%/Carton; Carton Size:488*324*135mm(L*W*H)			
Dimension		280*30*21mm (L*W*H)			

Current Selection Table

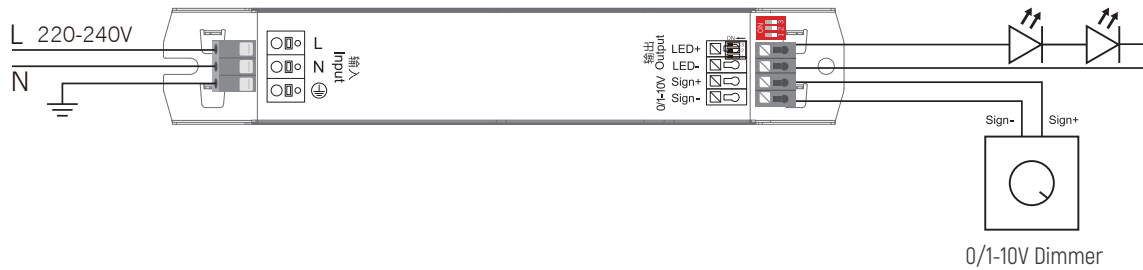
☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
ON	OFF	1	2	3										
		700mA	800mA	900mA	1000mA	1100mA	1200mA	1300mA	1400mA					
		9-54V	9-54V	9-54V	9-54V	9-54V	9-54V	9-50V	9-46V					

Remark: Function default setting is: 700mA (@switch are all OFF state)

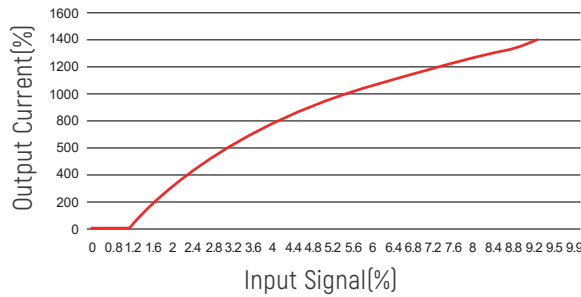
Dimension(mm)



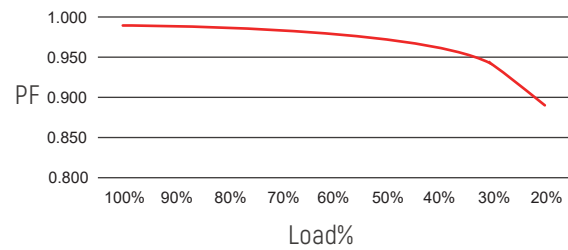
DALI Wiring



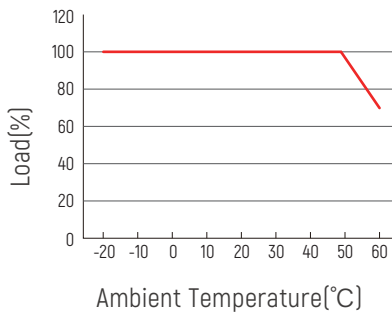
Dimming Curve



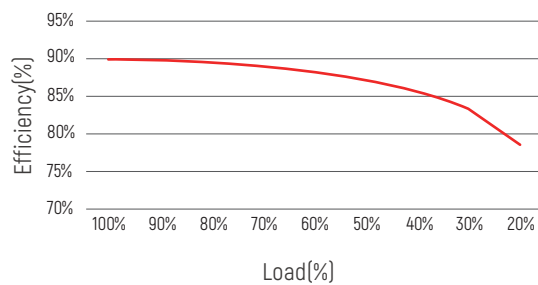
PF vs Load



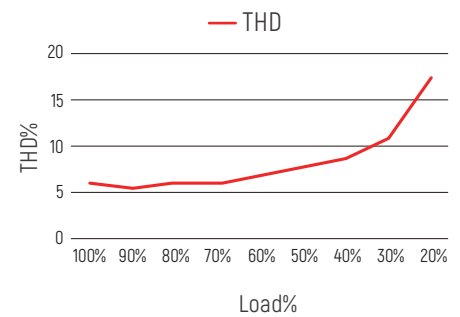
Derating Curve



Efficiency Curve



THD Curve



Cautions

- 1.This product should be installed by qualified personnel.
- 2.This product is non waterproof, need to avoid sun and rain.In case of outdoor use, please ensure it is mounted in a water proof enclosure.
- 3.Good heat dissipation conditions extend product life. Please install the product in a well-ventilated environment.
- 4.Please make sure LED power supply output voltage, current is used to meet the product requirements.
- 5.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.
- 6.Due to safety concerns, PVC or rubber cord of 0.75-1.5mm² is recommended for input and output terminal(s)(excluding signal terminals). Flat power cord is not suitable.Ensure all wire connections and polarities are correct before applying power to avoid any damages to the LED lights.
- 7.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 .

EULP65A-1HMC

概述

EULP65A-1HMC是一款可以提供700/800/900/1000/1100/1200/1300/1400 8档电流的LED恒流驱动器。
输出电流可以通过DIP拨码开关简易设置，可以通过外部0/1-10V有源信号，可调电阻，PWM信号实现平滑调光；当不接外信号时，可作为常规电源使用。。

产品特点

- 支持三合一调光（0/1-10V有源信号，可调电阻，PWM信号）
- 单通道恒流输出，多级电流可选
- 高电压输入：220VAC ~ 240VAC
- 效率高达 87%
- 信号悬空时，满载输出，可作为电源使用
- 过载保护，短路保护



应用



筒灯



面板灯



射灯



吸顶灯



装饰灯



落地灯

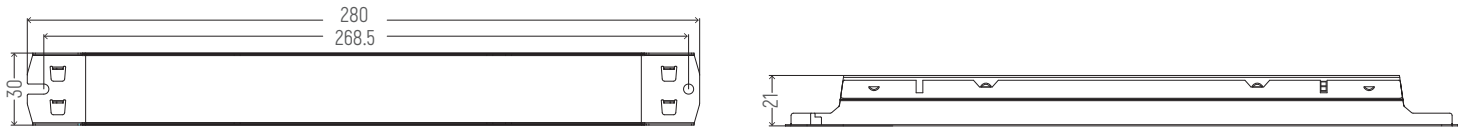


投光灯

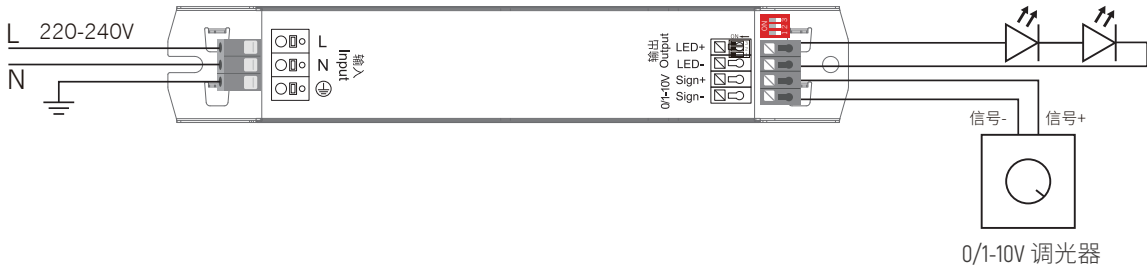
技术参数

型号	EULP65A-1HMC																																																														
输入	效率	≥87%@230VAC, 满载																																																													
	电压	220VAC-240VAC																																																													
	频率	50/60Hz																																																													
	功率因素	≥0.95@230VAC, 满载																																																													
	THD	<10%@230VAC, 满载																																																													
	电流	0.41Amax@230VAC																																																													
	浪涌电流	冷启动,25A@230VAC 120us																																																													
	空载功耗	≤0.5W																																																													
	待机功耗	≤0.5W																																																													
	启动延时	≤0.5s, at230Vac[从上电到开始亮]																																																													
输出	电流/电压/功率	700mA/9-54V/37.8W 1100mA/9-54V/59.4W		800mA/9-54V/43.2W 1200mA/9-54V/64.8W		900mA/9-54V/48.6W 1300mA/9-50V/65W		1000mA/9-54V/54W 1400mA/9-46V/64.4W																																																							
	通道	1		电流选择表 <table><tr><td>☐</td><td>☐</td><td>1</td><td>☐</td><td>2</td><td>☐</td><td>3</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td></tr><tr><td>ON</td><td>OFF</td><td>700mA</td><td>800mA</td><td>900mA</td><td>1000mA</td><td>1100mA</td><td>1200mA</td><td>1300mA</td><td>1400mA</td></tr><tr><td></td><td></td><td>9-54V</td><td>9-54V</td><td>9-54V</td><td>9-54V</td><td>9-54V</td><td>9-54V</td><td>9-54V</td><td>9-50V</td><td>9-46V</td></tr><tr><td colspan="11">备注：出厂默认设置电流为700mA(1,2,3在OFF状态)</td></tr></table>									☐	☐	1	☐	2	☐	3	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	ON	OFF	700mA	800mA	900mA	1000mA	1100mA	1200mA	1300mA	1400mA			9-54V	9-54V	9-54V	9-54V	9-54V	9-54V	9-54V	9-50V	9-46V	备注：出厂默认设置电流为700mA(1,2,3在OFF状态)										
	☐	☐	1										☐	2	☐	3	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐																																			
	ON	OFF	700mA										800mA	900mA	1000mA	1100mA	1200mA	1300mA	1400mA																																												
			9-54V										9-54V	9-54V	9-54V	9-54V	9-54V	9-54V	9-50V	9-46V																																											
	备注：出厂默认设置电流为700mA(1,2,3在OFF状态)																																																														
电流精度	±5%																																																														
纹波电流	3%																																																														
空载电压	59.5VDC max																																																														
功能	调光范围	0.2%-100%																																																													
	调光方式	0/1-10V有源信号，可调电阻，PWM信号																																																													
	调光曲线	线性																																																													
	频闪	无频闪																																																													
保护	短路	短路无输出，排除故障输出正常																																																													
	过载	降低电流打嗝保护，排除故障输出正常																																																													
	过压	降低电流打嗝保护，排除故障输出正常																																																													
安全 & 电磁兼容	雷击浪涌	L-N 1000VAC L/N-GND 2000VAC																																																													
	耐压标准	输入对输出3750Vac/1min/<5mA输出对信号1500Vac/1min/<5mA																																																													
	安全标准	EN61347, GB19510																																																													
	电磁兼容	EN55015, EN61000-3-2																																																													
	EMC抗扰度	EN61000-3-2, 3, 4, 5, 6, 8, 11; EN61547																																																													
	绝缘阻抗	5MΩ																																																													
其它	工作温度	-20℃~50℃																																																													
	储存温度、湿度	-40℃~85℃, 20-90%RH																																																													
	tc	80℃@230Vac																																																													
	材质	金属																																																													
	防水等级	IP20																																																													
	寿命	50,000小时@tc:50℃																																																													
	质保	5年																																																													
	开关周期	>25,000次																																																													
	包装尺寸(重量)	净重: 225g ±5%/PCS; 50PCS/Cartron; 11.75 kg±5%/箱; 外箱尺寸:488*324*135mm(长*宽*高)																																																													
尺寸	280*30*21mm (长*宽*高)																																																														

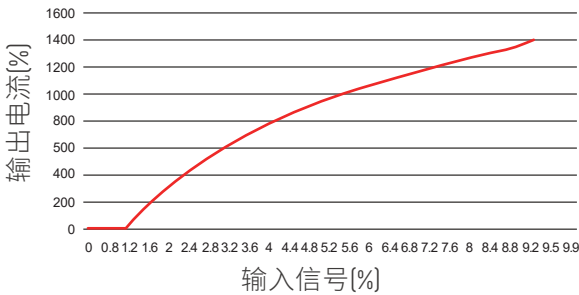
尺寸(mm)



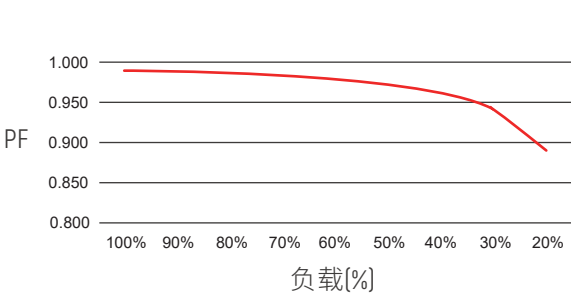
接线图



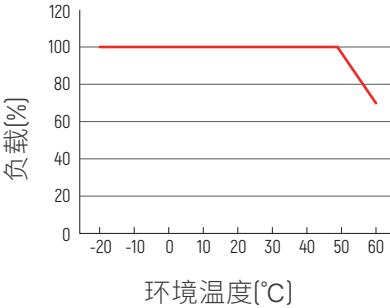
Dimming Curve



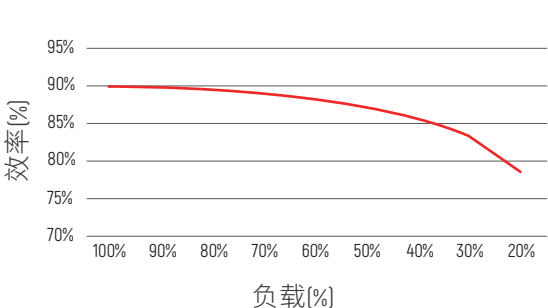
PF vs Load



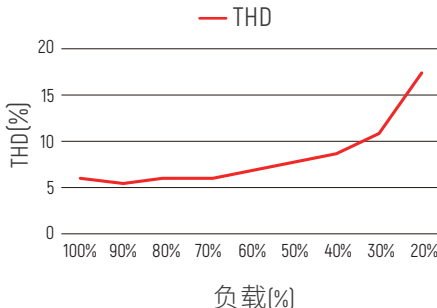
Derating Curve



Efficiency Curve



THD Curve



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、本产品不能防水，需避免日晒雨淋，如安装在户外，请用防水箱。
- 3、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。
- 4、请检查使用的LED电源输出电压电流，是否符合产品要求。
- 5、出于安全考虑，推荐输入和输出（信号端除外）用0.75-1.5mm² PVC或橡胶线缆，并确保接线牢固，以免电线过热或接触不良触发事故。扁平电源线不适用。
- 6、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。
- 7、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。