

EUP15T-1HMC-280

Summary

EUP15T-1HMC-280 is a can provide 280/300/320/350/380/400/420/450/8 LED drive current

The output current can be easily set with a DIP switch, which supports both front tangent and back edge

Phase-cutting dimmers that can be used with multi-brand systems (Philips, ABB, Lutron, Siemens, Simon, Panasonic, Bunch, etc.)Used together, the dimming curve is smooth.











Product Feature





- Single channel constant current output, multi-level current optional
- Hold front/back tangent phase dimming
- Smooth dimming curve, no stroboscopic
- Short circuit protection, overload protection, overcurrent protection
- Suitable for LED indoor lamps, such as downlights, spotlights, etc

Application



Down light

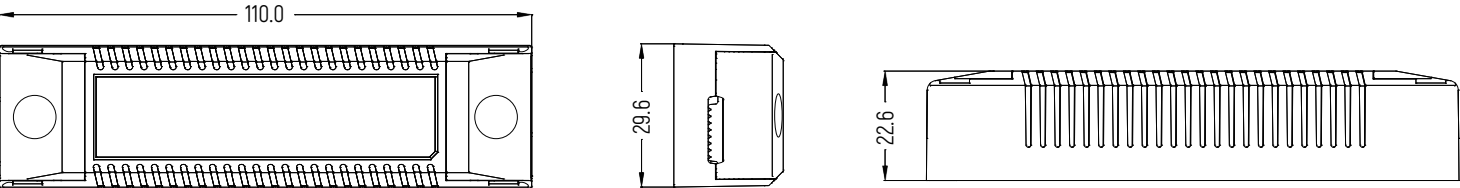




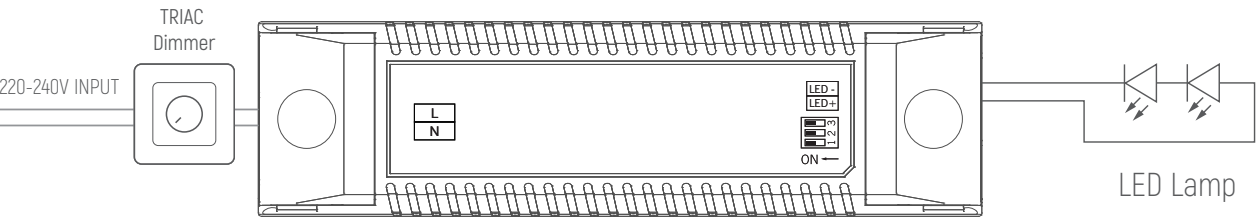
Technical Parameters

Model	EUP15T-1HMC-280																																						
Input	Efficiency	77%@230VAC, Full load																																					
	Voltage	220VAC-240VAC																																					
	Frequency	50/60Hz																																					
	Current	0.2Amax@230VAC, Full load																																					
	Inrush Current	Cold start, 12A@230VAC 200us																																					
Output	Current/Voltage/Power	280mA/9-42VDC/11.76W 380mA/9-40VDC/15.2W	300mA/9-42VDC/12.6W 400mA/9-38VDC/15.2W	320mA/9-42VDC/13.44W 420mA/9-36VDC/15.12W	350mA/9-42VDC/14.7W 450mA/9-33DC/14.85W																																		
	Ripple current	±3%	<div>Current Selection Table</div> <table><tr><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>280mA</td><td>300mA</td><td>320mA</td><td>350mA</td><td>380mA</td><td>400mA</td><td>420mA</td><td>450mA</td><td></td></tr><tr><td></td><td></td><td>9-42VDC</td><td>9-42VDC</td><td>9-42VDC</td><td>9-42VDC</td><td>9-40VDC</td><td>9-38VDC</td><td>9-36VDC</td><td>9-33VDC</td><td></td></tr></table> <p>Remark: Function default setting is: 280mA (@switch are all OFF state)</p>															ON	OFF	280mA	300mA	320mA	350mA	380mA	400mA	420mA	450mA				9-42VDC	9-42VDC	9-42VDC	9-42VDC	9-40VDC	9-38VDC	9-36VDC	9-33VDC	
	ON	OFF					280mA	300mA	320mA	350mA	380mA	400mA	420mA	450mA																									
							9-42VDC	9-42VDC	9-42VDC	9-42VDC	9-40VDC	9-38VDC	9-36VDC	9-33VDC																									
	Channel	1																																					
	Output Voltage	±5%																																					
Current Accuracy	±5%																																						
No load output voltage	60V Max																																						
Turn on delay Time	≤ 1 s, at230Vac (When the light begins to shine)																																						
Function	Dimming type	Triac	ELV																																				
	Flicker	Flicker free																																					
Protection	Over load	Reduce current burp protection, troubleshoot normal output																																					
	Short circuit	Short circuit No output, troubleshooting output normal																																					
	Over Current	Reduce current burp protection, troubleshoot normal output																																					
Safety & EMC	Surge	L-N 1000VAC																																					
	Withstand Voltage	I/P-O/P: 1500VAC/1min/5mA ;																																					
	Safety standards	EN61347, GB19510																																					
	Insulation Resisance	5M Ω																																					
Others	Working temp.	-20°C~50°C																																					
	Storage Temp., Humidity	-40°C~85°C, 20-90%RH																																					
	tc	85°C																																					
	Material	PC																																					
	IP rating	IP20																																					
	Lifetime	30,000h@tc:85 C																																					
	Warranty	3 year																																					
	Switch cycle	>25,000 times																																					
	Packing weight	Net weight: 85g±5%/ piece; 100 PCS/box; 9kg±5%/ box; Outer box size: 565*223*125mm(L*W*H)																																					
Dimension	110*30*22.6mm(L*W*H)																																						

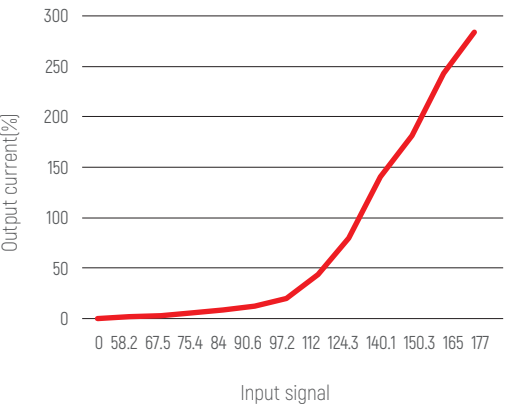
Dimension(mm)



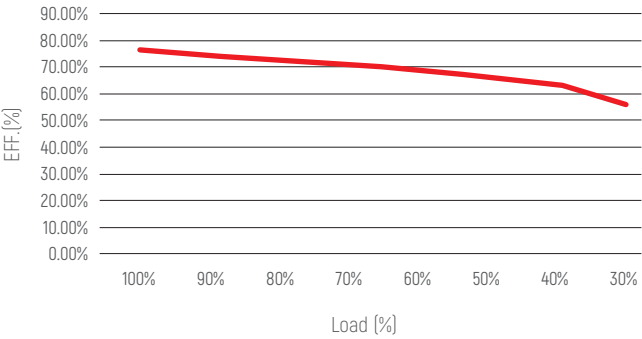
Wiring Diagram



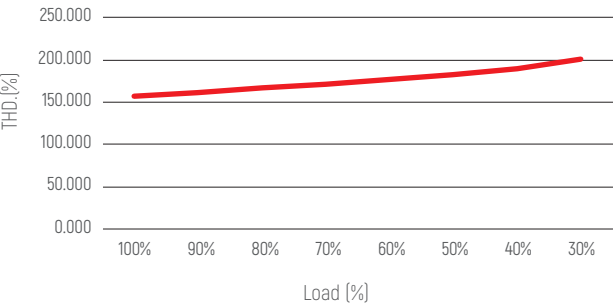
Dimming Curve



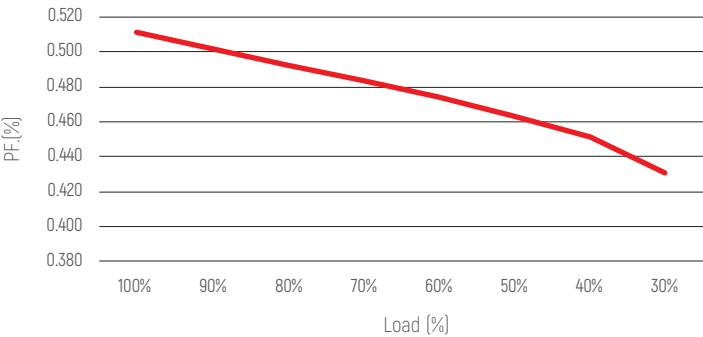
Efficiency vs Load Curve



THD vs Load Curve



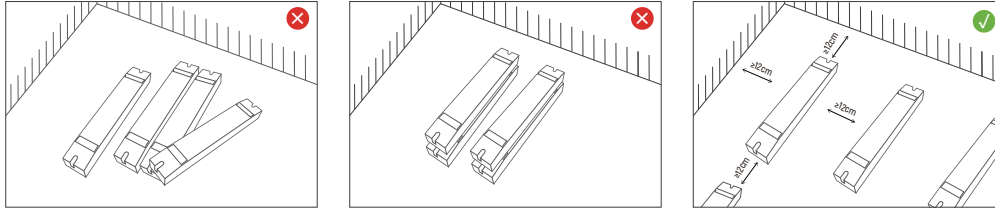
PF vs Load Curve



## Max. quantity of drivers per miniature circuit breaker

MCB	Input Voltage 230V Drivers	MCB	Input Voltage 230V Drivers
B10	34pcs	C10	50pcs
B13	44pcs	C13	65pcs
B16	54pcs	C16	80pcs
B20	68pcs	C20	100pcs
		D16	80pcs

## Installation Precautions



Please do not stack the products. The distance between two products should be >12cm so as not to affect heat dissipation and the lifespan of the products.

## Warranty Agreement

1. Warranty periods from the date of delivery : 5 years.
2. Free repair or replacement services for quality problems are provided within warranty periods.

## Warranty exclusions below:

1. Beyond warranty periods.
2. Any artificial damage caused by high voltage, overload, or improper operations
3. Products with severe physical damage.
4. Damage caused by natural disasters and force majeure.
5. Warranty labels and barcodes have been damaged.
6. No any contract signed by EUCHIPS.

- Repair or replacement provided is the only remedy for customers. EUCHIPS is not liable for any incidental or consequential damage unless it is within the law.
- EUCHIPS has the right to amend or adjust the terms of this warranty, and release in written form shall prevail.

## Cautions

1. This product must be installed and adjusted by a qualified professional.
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- 2.5mm<sup>2</sup> 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 .

EUP15T-1HMC-280

概述

EUP15T-1HMC-280 是一款可以提供280/300/320/350/380/400/420/450 8档电流的LED驱动器  
输出电流可以通过DIP拨码开关简易设置，这款驱动器支持前沿切相和后沿切相调光器，可以与多品牌系统(飞利浦，ABB，路创，西门子，西蒙，松下，邦奇等)配合使用，调光曲线平滑。



产品特点

- 单通道恒流输出，多级电流可选
- 持前沿/后沿切相调光
- 调光曲线平滑，无频闪
- 短路保护，过载保护， 过流保护
- 适用于LED室内灯具,比如筒灯，射灯等

应用



筒灯



SELV



无频闪



过载保护



短路保护

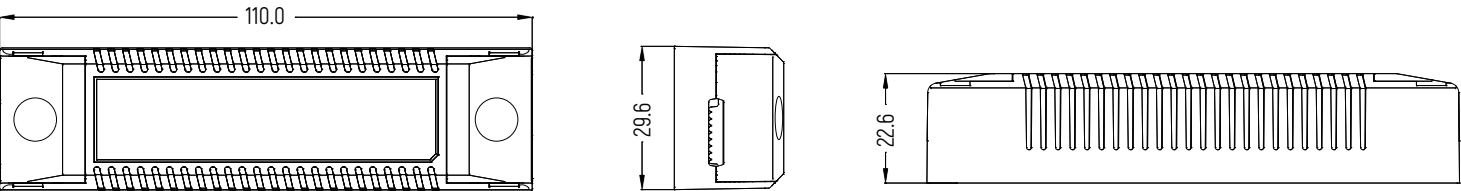


过流保护

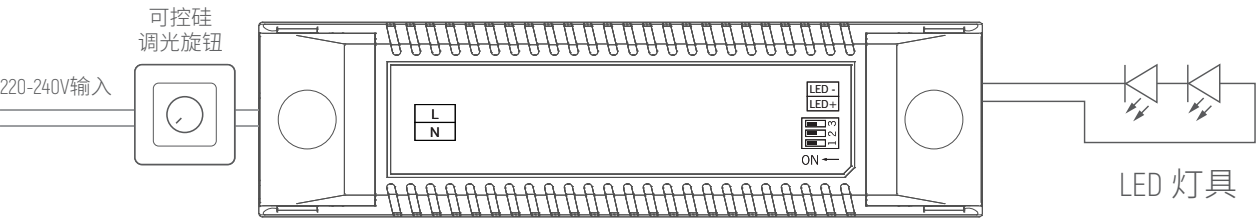
技术参数

型号	EUP15T-1HMC-280																																			
输入	效率	77%@230VAC, 满载																																		
	电压	220VAC-240VAC																																		
	频率	50/60Hz																																		
	电流	0.2Amax@230VAC, 满载																																		
	浪涌电流	冷启动, 12A@230VAC 200us																																		
输出	电流/电压/功率	280mA/9-42VDC/11.76W 380mA/9-40VDC/15.2W	300mA/9-42VDC/12.6W 400mA/9-38VDC/15.2W	320mA/9-42VDC/13.44W 420mA/9-36VDC/15.12W	350mA/9-42VDC/14.7W 450mA/9-33DC/14.85W																															
	波纹电流	±3%	<div>电流选择表</div> <table><tr><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input checked="" type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td></tr><tr><td>280mA</td><td>300mA</td><td>320mA</td><td>350mA</td><td>380mA</td><td>400mA</td><td>420mA</td><td>450mA</td><td></td><td></td></tr><tr><td>9-42VDC</td><td>9-42VDC</td><td>9-42VDC</td><td>9-42VDC</td><td>9-40VDC</td><td>9-38VDC</td><td>9-36VDC</td><td>9-33VDC</td><td></td><td></td></tr></table> <div>备注： 出厂默认设置电流为280mA(1,2,3在OFF状态)</div>			<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	280mA	300mA	320mA	350mA	380mA	400mA	420mA	450mA			9-42VDC	9-42VDC	9-42VDC	9-42VDC	9-40VDC	9-38VDC	9-36VDC	9-33VDC		
	<input type="checkbox"/>	<input type="checkbox"/>				<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>																						
	280mA	300mA				320mA	350mA	380mA	400mA	420mA	450mA																									
	9-42VDC	9-42VDC				9-42VDC	9-42VDC	9-40VDC	9-38VDC	9-36VDC	9-33VDC																									
	通道	1																																		
	输出电压范围	±5%																																		
电流精度	±5%																																			
空载输出电压	60V Max																																			
功能	启动延时	≤ 1 s, at230Vac (当灯光开始亮起)																																		
	调光方式	Triac	ELV																																	
	频闪	无频闪																																		
保护	负载保护	降低电流打嗝保护，排除故障输出正常																																		
	短路保护	短路无输出，排除故障输出正常																																		
	过流保护	降低电流打嗝保护，排除故障输出正常																																		
安规和 电磁兼容	雷击浪涌	L-N 1000VAC																																		
	耐压	I/P-O/P: 1500VAC/1min/5mA；																																		
	安全标准	EN61347, GB19510																																		
	绝缘阻抗	5M Ω																																		
其它	工作温度	-20°C~50°C																																		
	储存温度、湿度	-40°C~85°C, 20-90%RH																																		
	tc	85°C																																		
	材质	PC																																		
	防水等级	IP20																																		
	寿命	30,000/小时@tc:85°C																																		
	质保	3年																																		
	开关周期	>25,000次																																		
	包装重量	净重: 85g±5%/个; 100个/箱; 9kg±5%/箱; 外箱尺寸: 565*223*125mm(L*W*H)																																		
	尺寸	110*30*22.6mm(长*宽*高)																																		

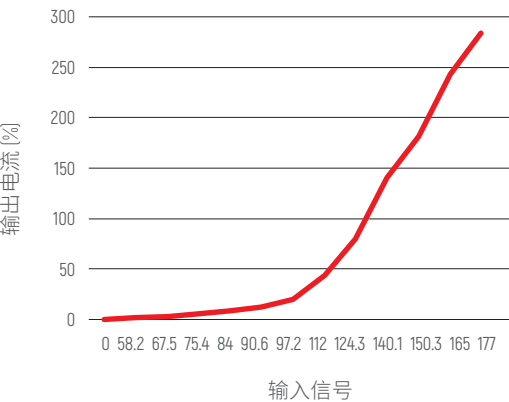
产品尺寸



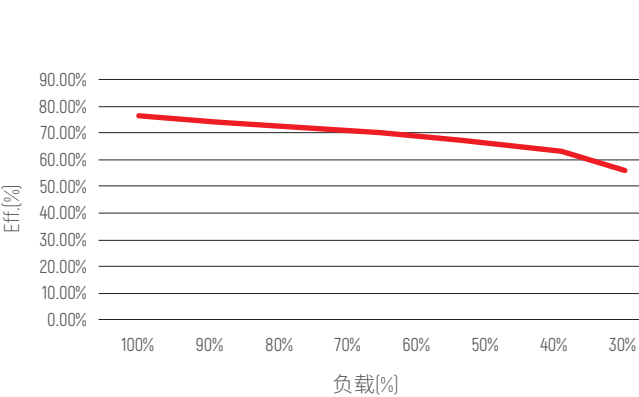
应用接线图



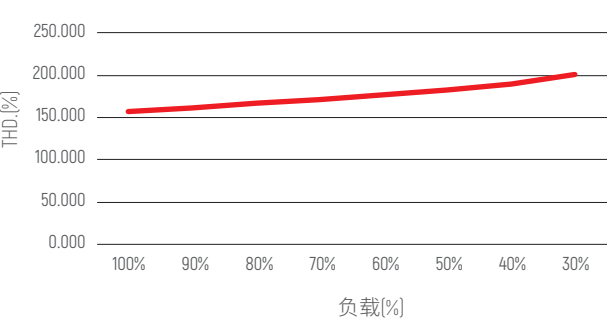
调光曲线



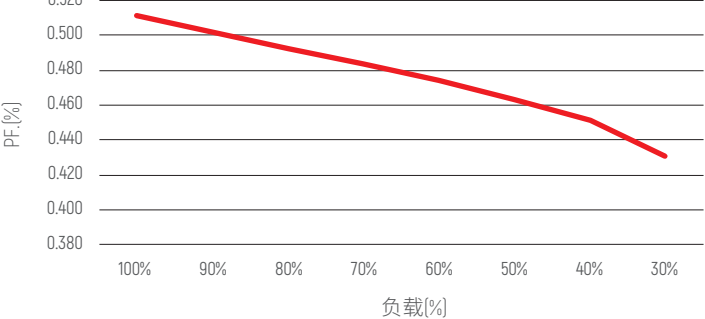
效率 vs 负载曲线



THD vs 负载曲线



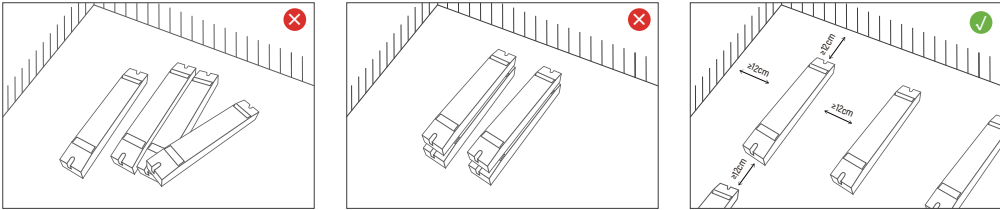
PFvs 负载曲线



断路器带载说明

MCB	输入电压230V 驱动器数量	MCB	输入电压230V 驱动器数量
B10	34pcs	C10	50pcs
B13	44pcs	C13	65pcs
B16	54pcs	C16	80pcs
B20	68pcs	C20	100pcs
		D16	80pcs

安装规范要求



请勿将产品堆叠摆放，产品与产品间隔距离应≥12cm，避免影响产品散热和使用寿命。

保修条例

- 1、自出厂之日起保修服务期为5年。
- 2、在保修服务期内出现产品质量问题欧切斯将给予免费修理或更换服务。

非保修条例：

属下列情况不在免费保修或更换服务范围之内：

- 1、已经超出保修服务期；
- 2、过高电压、超负载、操作不当等人为造成的损坏；
- 3、产品外形严重损坏或变形；
- 4、自然灾害以及人力不可抗拒原因造成的损坏；
- 5、产品保修标签和产品唯一条形码损坏；
- 6、无欧切斯签订的合同或发票凭证。

·修理或更换是欧切斯对客户的一一补救措施。欧切斯不承担任何附带引起的损害赔偿一任，除非在适用法律范围之内。  
·欧切斯享有修正或调整本保修条款的权利，并以书面形式发布为准。

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0.75-2.5mm<sup>2</sup> 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。