

EULP35D-1WMC-0 (Product No.:102100133101)

Summary

EULP35D-1WMC-0 is a 35W AC/DC constant current mode output LED driver featuring the multiple levels selectable by DIP switch and complies with DALI standard protocol IEC 62386 EULP35D-1WMC-0 can be connected to DALI main controller or Touch DIM to achieve a smooth dimming effect.

Product Features

- Single channel output, output current level selectable by DIP S.W.
- Meet DALI protocol IEC 62386
- Support Touch DIM function
- Wide input voltage of 100VAC ~ 240VAC
- High efficiency up to 85%
- Built-in active PFC function
- Logarithmic dimming , dimming effect smooth, no flicker
- Protections: Over load, short circuit, over voltage
- Suitable for indoor LED lighting application, vapor light, and so on



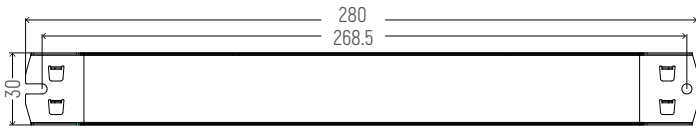
Application



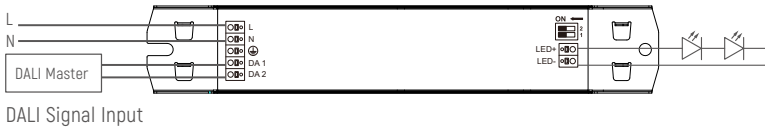
Technical Paramaters

Model	EULP35D-1WMC-0																																																																																																																																																									
Input	Efficiency	>85%@230VAC,Full load																																																																																																																																																								
	Voltage	100VAC-240VAC																																																																																																																																																								
	Frequency Range(Hz)	50/60Hz																																																																																																																																																								
	Power Factor	≥0.9@230VAC,Full load																																																																																																																																																								
	THD(full load)	<10%@230VAC, Full load																																																																																																																																																								
	AC Current(max)	0.19Amax@230VAC																																																																																																																																																								
	Standby power	<0.5W																																																																																																																																																								
	Inrush Current(max)	Cold start,39A(twidth=28.9us measured at 50% Ipeak)@230VAC																																																																																																																																																								
Output	Current(mA)/Voltage (VDC)	600mA/9-45VDC/27W	700mA/9-45VDC/31.5W	Current Selection Table <table><tr><td> </td><td> </td><td> 1 2 </td><td> </td><td> </td><td> </td></tr><tr><td>Power(W)</td><td>800mA/9-44VDC/35.2W</td><td>900mA/9-39VDC/35.1W</td><td> 600mA </td><td> 700mA </td><td> 800mA </td><td> 900mA </td></tr><tr><td>Ripple Current</td><td colspan="3"><3%</td><td> 9-45V </td><td> 9-45V </td><td> 9-44V </td><td> 9-39V </td></tr><tr><td>Channel</td><td colspan="3">1</td><td colspan="4">Remark: Function default setting is: 600mA (@switch are all OFF state)</td></tr><tr><td>Current Tolerance</td><td colspan="3">±5%</td><td colspan="4"></td></tr><tr><td>No load output voltage</td><td colspan="3">55Vdc</td><td colspan="4"></td></tr><tr><td rowspan="2">Function</td><td>Dimming Type</td><td colspan="4">DALI/Touch DIM</td></tr><tr><td>Dimming Range</td><td colspan="4">1%-100% Dimming to off</td></tr><tr><td rowspan="2">Protection</td><td>Short circuit</td><td colspan="4">Close output , recovers automatically after fault removed</td></tr><tr><td>Over Load</td><td colspan="4">When the output voltage is exceeded, the output current decreases and, recovers automatically when the load is reduced.</td></tr><tr><td rowspan="6">Safety& EMC</td><td>Surge</td><td colspan="4">L-N:500V</td></tr><tr><td>Withstand Voltage</td><td colspan="4">I/P-O/P: 3000VAC/1min/5mA</td></tr><tr><td>DALI Standard</td><td colspan="4">IEC 62386-101: 2014, IEC 62386-102: 2014; IEC 62386-207: 2009, DALI 1.0</td></tr><tr><td>Safety Standards</td><td colspan="4">EN61347, GB19510</td></tr><tr><td>EMC Emission</td><td colspan="4">EN50515, EN61000-3-2</td></tr><tr><td>EMC Immunity</td><td colspan="4">EN61000-4-2, 3, 4, 5, 6, 8, 11; EN61547</td></tr><tr><td rowspan="10">Others</td><td>Working Temp.</td><td colspan="4">-20°C~50°C</td></tr><tr><td>Storage Temp., Humidity</td><td colspan="4">-40°C~85°C, 20-90%RH</td></tr><tr><td>tc</td><td colspan="4">75°C</td></tr><tr><td>Material</td><td colspan="4">Metal</td></tr><tr><td>IP Rating</td><td colspan="4">IP20</td></tr><tr><td>Lifetime</td><td colspan="4">50,000h@tc:65°C</td></tr><tr><td>Warranty Condition</td><td colspan="4">5 years</td></tr><tr><td>Switch Cycle</td><td colspan="4">>25,000 times</td></tr><tr><td>Packing(weight)</td><td colspan="4">Net weight: 230g±5%/PCS; 50PCS/Carton; 12kg±5%/Carton; Carton Size:502*338*149mm(L*W*H)</td></tr><tr><td>Dimension</td><td colspan="4">280*30*21mm (L*W*H)</td></tr></table>				1 2				Power(W)	800mA/9-44VDC/35.2W	900mA/9-39VDC/35.1W	600mA	700mA	800mA	900mA	Ripple Current	<3%			9-45V	9-45V	9-44V	9-39V	Channel	1			Remark: Function default setting is: 600mA (@switch are all OFF state)				Current Tolerance	±5%							No load output voltage	55Vdc							Function	Dimming Type	DALI/Touch DIM				Dimming Range	1%-100% Dimming to off				Protection	Short circuit	Close output , recovers automatically after fault removed				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:500V				Withstand Voltage	I/P-O/P: 3000VAC/1min/5mA				DALI Standard	IEC 62386-101: 2014, IEC 62386-102: 2014; IEC 62386-207: 2009, DALI 1.0				Safety Standards	EN61347, GB19510				EMC Emission	EN50515, EN61000-3-2				EMC Immunity	EN61000-4-2, 3, 4, 5, 6, 8, 11; EN61547				Others	Working Temp.	-20°C~50°C				Storage Temp., Humidity	-40°C~85°C, 20-90%RH				tc	75°C				Material	Metal				IP Rating	IP20				Lifetime	50,000h@tc:65°C				Warranty Condition	5 years				Switch Cycle	>25,000 times				Packing(weight)	Net weight: 230g±5%/PCS; 50PCS/Carton; 12kg±5%/Carton; Carton Size:502*338*149mm(L*W*H)				Dimension	280*30*21mm (L*W*H)			
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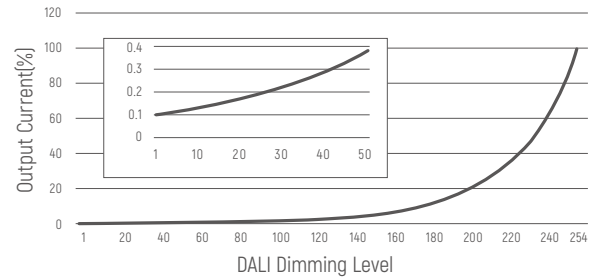
Dimension(mm)



DALI Wiring

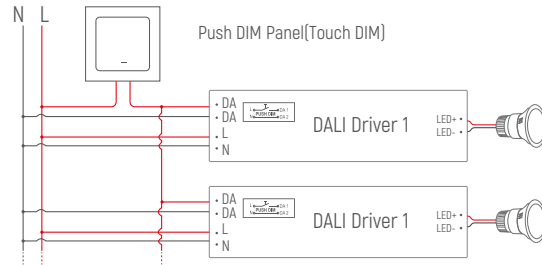
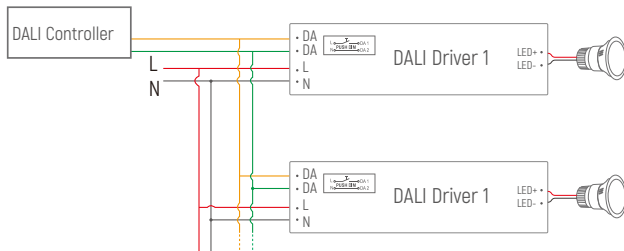


Dimming Curve



DALI Diagram

Push DIM(Touch DIM) Diagram



Remark: Only use open push button without indicator light. Maximum cable length between each Unit: 20 meters.

Push DIM Function

1. Press the Push DIM (Touch DIM) switch for 8s or more, the driver can be controlled via Push DIM switch.
2. Short press the Push DIM (Touch DIM) switch (<0.5s) to control the lamp on or off.
3. Long press the Push DIM (Touch DIM) switch (>0.5s) to dim the brightness of light. The dimming direction will change every time after pressing switch.
4. Double-click the Push DIM (Touch DIM) switch (<0.3s), then all lamps connected on the device will be set maximum brightness.
5. The brightness adjustment range is 1%-100%, and the light can be turned off through short pressing when doing the adjustment with long pressing Push DIM (Touch DIM) switch.
6. With the Power off memory function, the power-down state will be recovered when power on again.

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.

EULP35D-1WMC-0 (产品代码:102100133101)

概述

EULP35D-1WMC-0一款35W交流变直流LED驱动器，输出电流可以通过DIP开关选择，符合DALI标准协议IEC62386。连接DALI主控或Touch DIM可以实现平滑的调光效果。

产品特点

- 单通道恒流输出，多级电流可选
- 遵循DALI协议标准 IEC62386
- 支持Touch DIM功能
- 宽电压输入：100VAC~240VAC
- 内建主动式PFC功能
- 过载保护，短路保护，过压保护
- 适用于LED室内灯具,比如三防灯等



应用



筒灯



面板灯



射灯



吸顶灯



装饰灯



落地灯



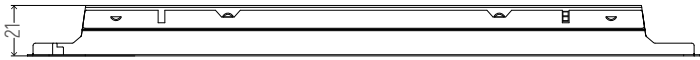
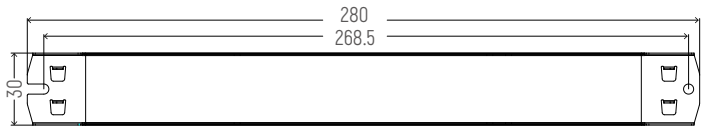
投光灯



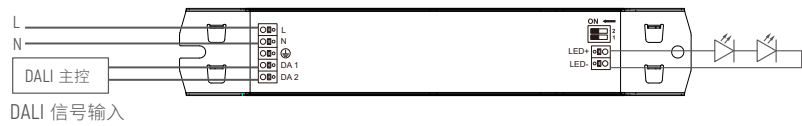
技术参数

型号	EULP35D-1WMC-0																												
输入	效率	>85%@230VAC, 满载																											
	电压	100VAC-240VAC																											
	频率	50/60Hz																											
	功率因素	≥0.9@230VAC, 满载																											
	THD	<10%@230VAC, 满载																											
	电流	0.19Amax@230VAC																											
	待机功耗	<0.5W																											
	浪涌电流	冷启动,39A[在 50%Ipeak下测试width=28us]@230VACC																											
输出	电流/电压/功率	600mA/9-45VDC/27W 800mA/9-44VDC/35.2W	700mA/9-45VDC/31.5W 900mA/9-39VDC/35.1W	电流选择表 <table><tr><td></td><td></td><td>1</td><td>2</td><td></td><td></td><td></td><td></td></tr><tr><td>ON</td><td>OFF</td><td>600mA</td><td>700mA</td><td>800mA</td><td>900mA</td><td></td><td></td></tr><tr><td colspan="2"></td><td>9-45V</td><td>9-45V</td><td>9-44V</td><td>9-39V</td><td colspan="2"></td></tr></table> 备注：出厂默认设置电流为600mA(12在OFF状态)				1	2					ON	OFF	600mA	700mA	800mA	900mA					9-45V	9-45V	9-44V	9-39V		
			1			2																							
	ON	OFF	600mA	700mA	800mA	900mA																							
			9-45V	9-45V	9-44V	9-39V																							
	波纹电流	<3%																											
	通道	1																											
电流公差	±5%																												
空载输出电压	55V Max																												
功能	调光方式	DALI/Touch DIM																											
	调光范围	1%-100% 变暗直至关闭																											
保护	过载	超过输出电压范围时，输出电流下降，减轻负载后自动恢复。																											
	短路	关断输出，移除故障后自恢复																											
安全 & 电磁兼容	浪涌	L-N:500V																											
	耐压标准	I/P-O/P: 3000VAC/1min/5mA																											
	DALI 标准	IEC 62386-101: 2014, IEC 62386-102: 2014; IEC 62386-2070: 2009, DALI 1.0																											
	安全标准	EN61347, GB19510																											
	电磁兼容	EN50515, EN61000-3-2																											
其它	EMC抗扰度	EN61000-4-2, 3, 4, 5, 6, 8, 11; EN61547																											
	工作温度	-20°C~50°C																											
	储存温度、湿度	-40°C~85°C, 20-90%RH																											
	tc	75°C																											
	材质	金属																											
	防水等级	IP20																											
	寿命	50,000小时@tc:65°C																											
	质保	5年																											
	开关周期	>25,000次																											
	包装尺寸(重量)	净重: 230g±5%/PCS; 50PCS/Cartron; 12kg±5%/箱; 外箱尺寸:502*338*149cm[长*宽*高]																											
	尺寸	280*30*21mm (长*宽*高)																											

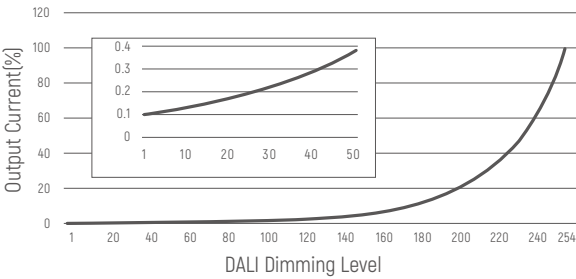
尺寸(mm)



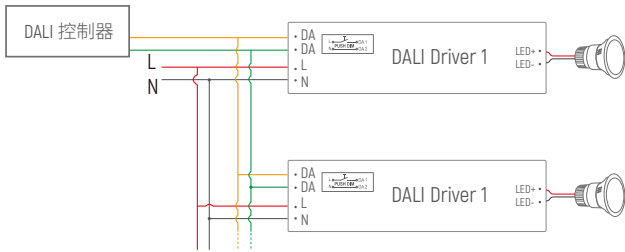
接线图



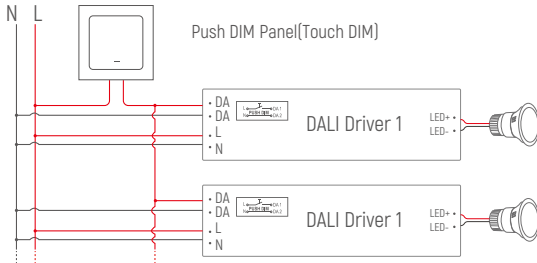
调光曲线



DALI应用图



Push DIM (Touch DIM)应用图



备注: 只能使用开路的按压式开关(不带指示灯). 采用同步连线时每个设备和设备之间的线长不超过20米.

Push DIM 功能

1. 长按Push DIM (Touch DIM)开关8s, 进入Push DIM (Touch DIM)模式。
2. 短按Push DIM (Touch DIM)开关 (<0.5秒) 进行灯的亮暗控制。
3. 长按Push DIM (Touch DIM)开关 (>0.5秒) 进行灯具的亮度调节, 光是调亮还是调暗, 随着每次按压的开关变化而变换。
4. 双击Push DIM (Touch DIM)开关 (<0.3秒), 连接的所有灯具将达到最亮状态。
5. 亮度调节范围为1%-100%。
6. 具有断电记忆功能, 重新上电将恢复到上一次断电的状态。

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。