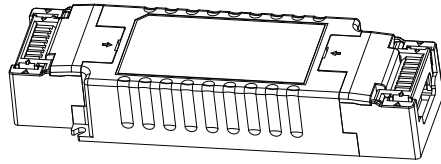


Casambi Dimmable LED Driver



User's Manual



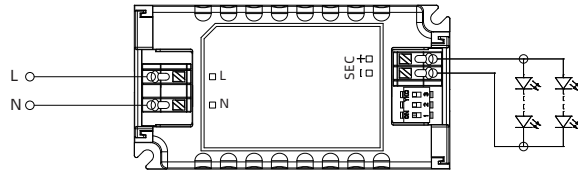
EN
Instruction
MI250424A0

CE Connected with **CASAMBI**

FEATURE

1. Comply with Casambi smart lighting system.
2. Flicker-free for whole dimming range.
3. Stand-by power below 0.5W.
4. Protection: short circuit / over temperature/ over voltage.
6. 5 year warranty.

WIRING DIAGRAM



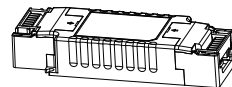
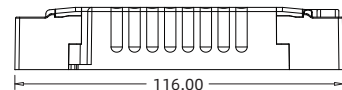
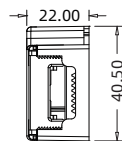
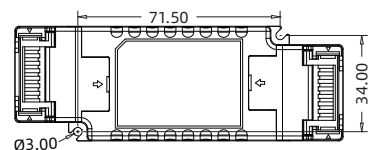
CAUTION

1. The installation work, maintaining work and electrical wiring etc., and these must be done by qualified person(s), or the equivalent.
2. Please refer to wire diagram before wiring, cut off power before do any setting or wiring.

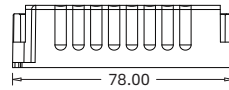
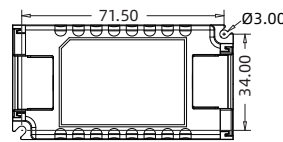


DIMENSION(mm)

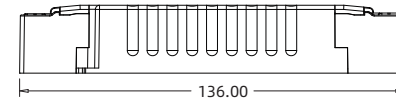
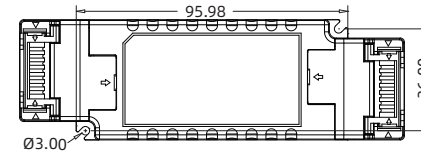
KL20C-B1(With side covers)



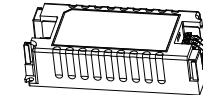
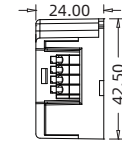
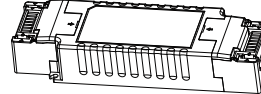
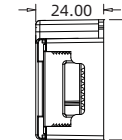
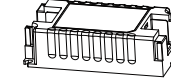
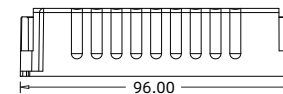
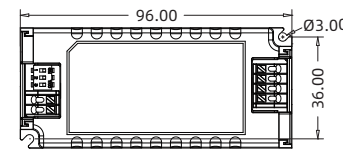
KL20C-B1(Without side covers)



KL30C-B1(With side covers)



KL30C-B1(Without side covers)



CURRENT

KL20C-B1

Output Current Setting			
Io(mA)	1	2	3
200	—	—	—
250	ON	—	—
300	—	ON	—
350	ON	ON	—
400	—	—	ON
450	ON	—	ON
500	—	ON	ON
550	ON	ON	ON

FACTORY SETTING: 200mA

KL30C-B1

Output Current Setting			
Io(mA)	1	2	3
700	—	—	—
750	ON	—	—
800	—	ON	—
850	ON	ON	—
900	—	—	ON
950	ON	—	ON
1000	—	ON	ON
1050	ON	ON	ON

FACTORY SETTING: 700mA



Warning: Please make sure the correct current is set before starting the driver!

SPECIFICATIONS

Model	KL20C-B1	KL30C-B1
Rated voltage	220-240V AC, 50/60Hz	
Rated current	0.12A Max.	0.17A Max.
Rated power	20W Max.	30W Max.
Working frequency	2.4-2.48GHz	
Transmission distance	Point-to-point transmission range 30m Max.	
Output	200mA 9-45Vdc 1.8-9.0W;	700mA 9-40V 6.3-28.0W;
	250mA 9-45Vdc 2.2-11.2W;	750mA 9-40V 6.7-30.0W;
	300mA 9-45Vdc 2.7-13.5W;	800mA 9-37V 7.2-29.6W;
	350mA 9-45Vdc 3.1-15.7W;	850mA 9-35V 7.6-29.7W;
	400mA 9-45Vdc 3.6-18.0W;	900mA 9-33V 8.1-29.7W;
	450mA 9-45Vdc 4.0-20.0W;	950mA 9-31V 8.5-29.4W;
	500mA 9-40Vdc 4.5-20.0W;	1000mA 9-30V 9.0-30.0W;
	550mA 9-36Vdc 4.6-19.8W;	1050mA 9-28V 9.4-29.4W;
EMC standard	EN55015, EN61547, EN61000-3-2, EN61000-3-3	
Safety standard	EN61347-1, EN61347-2-13	
Certification	CE	
Operating temperature	-25°C→+50°C	
Dims	78x40.5x22mm (Without side covers)	96x42.5x24mm (Without side covers)
	116x40.5x22mm (With side covers)	136x42.5x24mm (With side covers)
IP Rating	IP20	
Warranty	5 years @Ta full load	

APPLICATION NOTICE

1. Make sure the good connection between LED load and LED driver before power on, otherwise the LED load may be damaged.
2. To ensure optimal communication performance, do not install the driver inside an enclosed metal luminaire. Radio signals cannot penetrate metal materials.
3. When the driver is installed inside a semi-enclosed metal luminaire, the luminaire design should ensure that the driver is placed close to signal-penetrable materials (e.g., plastic, rubber, etc.) to maintain proper communication between devices.
4. If there are numerous wireless signals nearby (e.g., Wi-Fi, other Bluetooth devices), they may reduce the communication range between devices.
5. If the driver is externally mounted (e.g., inside a ceiling), ensure there is sufficient space between the driver and surrounding materials. Do not install the driver in an enclosed metal space.
6. Avoid placing high-voltage cables above the driver to prevent signal interference.
7. Please do not overlap multiple drivers when placing them, to avoid signal interference.

APP USAGE INSTRUCTIONS

1. Casambi APP Download
2. Sensor Operation Manual Download



Casambi APP download(IOS)



Function configuration download

3. Casambi APP manual download

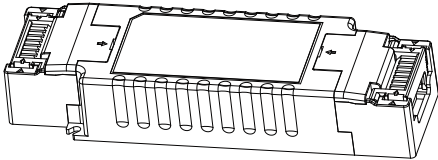
<https://support.casambi.com/support/solutions/12000001568>

FAQ

Question	Cause	Remedy
Lights will not illuminate	Incorrect wiring	Check wiring
	Driver had been turn off by Casambi APP	Open the Casambi APP to set the driver

Shenzhen Merrytek Technology Co.,Ltd.
Add:Rm 101-1101, 17th Building, Dianda Guyuan Industrial Park, Mashantou Community, Matian Street, Guangming District, Shenzhen, China, 518106
Phone: +86(755)2305 7253/59 • Fax: +86(755)2786 3012
Email: sales@merrytek.com • www.merrytek.com

Casambi 调光电源



使用说明书





使用说明书
MI250424A0

- 特点
1. 本产品可接入 Casambi 智能照明系统；

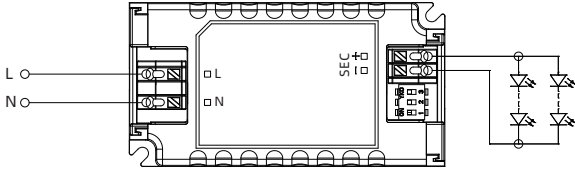
2. 全范围调光无频闪；

3. 驱动待机功耗<0.5W；

4. 产品具有短路保护、过热保护、过压保护、降额保护功能；

5. 质保 5 年。

接线图



注意

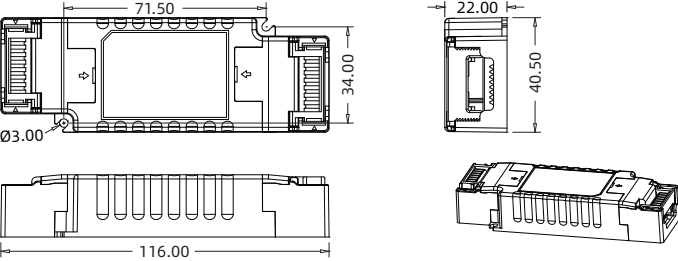
1. 本产品的安装维保等电气操作需专业电工或具备对应电气操作技能人员操作。

2. 操作前请切断电源并仔细阅读接线图。

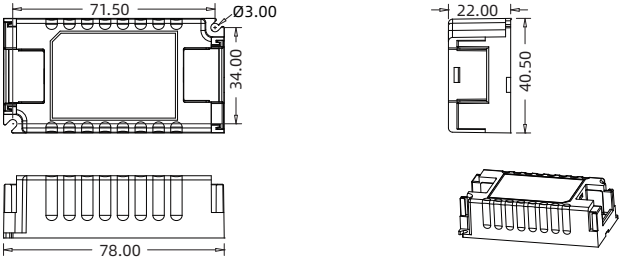


尺寸 (mm)

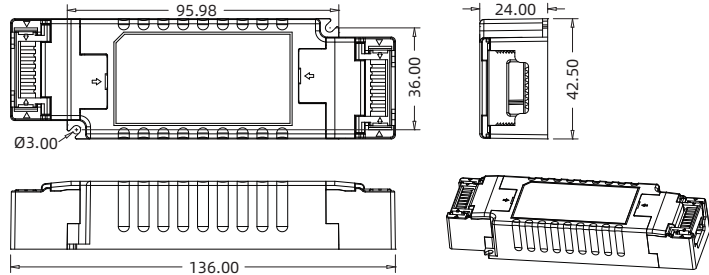
KL20C-B1(含端盖)



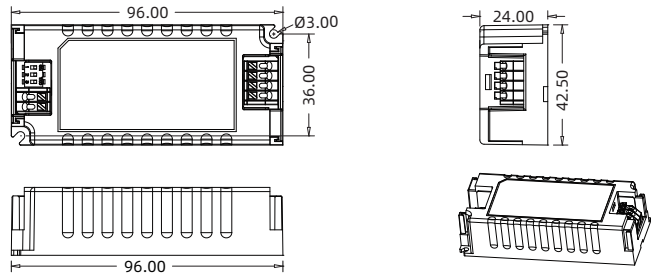
KL20C-B1(不含端盖)



KL30C-B1(含端盖)



KL30C-B1(不含端盖)



电流

KL20C-B1

输出电流设置			
Io(mA)	1	2	3
200	—	—	—
250	ON	—	—
300	—	ON	—
350	ON	ON	—
400	—	—	ON
450	ON	—	ON
500	—	ON	ON
550	ON	ON	ON

出厂电流设置: 200mA

KL30C-B1

输出电流设置			
Io(mA)	1	2	3
700	—	—	—
750	ON	—	—
800	—	ON	—
850	ON	ON	—
900	—	—	ON
950	ON	—	ON
1000	—	ON	ON
1050	ON	ON	ON

出厂电流设置: 700mA

 警告: 使用驱动前请确认拨码设置的电流挡位为正确值, 否则会损坏LED负载。

参数

型号	KL20C-B1	KL30C-B1
额定电压	220-240V AC, 50/60Hz	
输入电流	0.12A (max)	0.17A Max.
额定功率	20W Max.	30W Max.
工作频率	2.4-2.48GHz	
传输距离	点对点传输范围最大为 30 米	
输出	200mA 9-45Vdc 1.8-9.0W; 250mA 9-45Vdc 2.2-11.2W; 300mA 9-45Vdc 2.7-13.5W; 350mA 9-45Vdc 3.1-15.7W; 400mA 9-45Vdc 3.6-18.0W; 450mA 9-45Vdc 4.0-20.0W; 500mA 9-40Vdc 4.5-20.0W; 550mA 9-36Vdc 4.6-19.8W;	700mA 9-40V 6.3-28.0W; 750mA 9-40V 6.7-30.0W; 800mA 9-37V 7.2-29.6W; 850mA 9-35V 7.6-29.7W; 900mA 9-33V 8.1-29.7W; 950mA 9-31V 8.5-29.4W; 1000mA 9-30V 9.0-30.0W; 1050mA 9-28V 9.4-29.4W;
电磁兼容 (EMC) 标准	EN55015, EN61547, EN61000-3-2, EN61000-3-3	
安规标准	EN61347-1, EN61347-2-13	
符合认证	CE	
工作环境温度	-25°C→+50°C	
尺寸	78x40.5x22mm (不含端盖) 116x40.5x22mm (含端盖)	96*42.5*24mm (不含端盖) 136*42.5*24mm (含端盖)
防护等级	IP20	
质保	5 年质保 @Ta 230V 满负载	

- 注意事项
1. 打开市电开关前, 必须将驱动输出端连接到LED负载, 否则驱动可能会损坏。

2. 为了保障良好的通讯性能, 不要将驱动安装在封闭的金属灯具内。无线电通讯信号无法穿透金属材料。

3. 当驱动内置于半封闭金属灯具内, 灯具设计应保障驱动靠近可穿透材质 (如: 塑料、橡胶等), 以保障设备之间的通讯情况。

4. 如果附近有大量无线通信 (如: WIFI、其他蓝牙设备), 将会影响到设备之间的通讯距离。

5. 当驱动外置于灯具 (如: 安装在吊顶内), 应保障周围材料和驱动之间存在一定距离, 不要将驱动安装在封闭的金属内。

6. 请不要将高压电缆放置于驱动上方, 避免信号干扰。

7. 请不要将多个驱动重叠摆放, 避免信号干扰。

APP使用说明

1、下载 Casambi APP



2、扫描二维码下载Casambi驱动功能和配置说明



扫描下载Casambi APP(iOS)



扫描下载操作说明

- 3、下载 Casambi APP 说明书
- <https://support.casambi.com/support/solutions/12000001568>

常见问题解答

问题	原因	解决方案
灯不亮	接线不正确	检查接线
	驱动输出在Casambi APP上被关闭	打开Casambi APP 设置开关以恢复驱动电源