VANRAIN 万润
智能之光 · 璀璨万家

产品说明 / Product description

- 无线调光和色温可调 /Wireless dimmable and CCT tunable

- 无需安装控制线和其他控制器 /No need install control wire and other controllers

- 两路输出，共阳极 /Two channels output, common anode

- 输出恒流驱动器 /Output constant current driver

- 符合CE、CCC /Comply with CE、CCC

- 3年质保 /3 years warranty

- 2.4G 无线传输协议/2.4G wireless transmission protocol

功能 / Functions

- 通过2.4G无线控制调光和色温调节 /Through 2.4G wireless control dimming and color temperature adjustment

- 场景模式控制/Scene mode control

- 短路保护 /short-circuit protection

- 空载保护 /No-load protection

- 浪涌电压1KV /Surge protection voltage 1KV

- 低PF无频闪 /low PF no strobe

兼容万润多功能遥控器、86控制面板、场景模式控制器和AI语音控制 /Compatible with VANRAIN multifunction remote controllers,86 control panel, scene mode controller and AI voice control

驱动器的功能是由万润的数字控制器实现，有关更多详细信息，请参阅万润数字控制器数据表。 /The functions of driver are realized by Vanrain DIGITAL controllers, please refer to Vanrain DIGITAL controllers datasheet for more details.

应用 /Application

适用于家居照明、办公照明、商业照明的调光调色温应用场景

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技术数据 /Technical Data

For Driver

型号/Model No.	SEGBxxWxxxZ-A0 ❶
额定输入电压/Rated Input Voltage	220-240V
最大输入电流/Max Input Current	0.14A
电源频率/Mains Frequency	50/60Hz
输出电压/Output Voltage	28-40V DC
输出电流范围/Output Current Range	110-450mA
调光范围/Dimming Range	1%-100%
效率/Efficiency	＞80%
功率因数/Power Factor@full load	＞0.5
寿命/Life Span	20,000Hour
使用温度/Ambient Temperature Ta	-20℃...+40℃
储存温度/Storage Temperature Ts	-20℃...+80℃
尺寸/Dimension	111x42x25mm

❶ 前面xx表示功率，后面xxx表示输出电流，单位为mA。例如SEGB20W450Z-A0表示功率为20W，输出电流为450mA /The front XX represents power, and the back XXX represents output current, in Ma. For example, SEGB20w450Z-A0 indicates that the power is 20W and the output current is 450mA
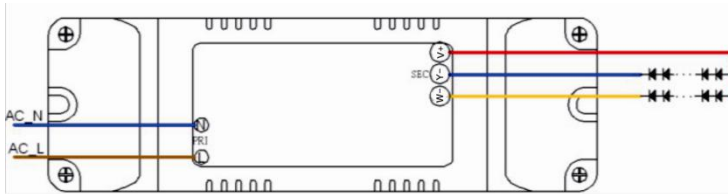
For RF-2.4G

可控距离/Controllable Distance	30Meters without Obstacle
协议/Protocol	2.4G
频率范围/Frequency Range	2402Mhz....2482Mhz
接收灵敏度/Receiving sensitivity	-99dBm@1Mbps
发送功率/Transmission power	+12dBm（Max）
天线类型/Antenna type	External antenna
天线增益/Antenna Gain	0dBi
工作温度/Operating Temperature	-20℃...+85℃

Standard

LVD	EN61347-2-13
LVD	EN61347-2-13
EMI	EN55015
RED	EN300 440
RED	EN301489-1/ EN301489-3
EMS	IEC6100-3-2/IEC6100-3-3
EMS	IEC6100-4-2/ IEC6100-4-3/ IEC6100-4-4
EMS	IEC6100-4-5/ IEC6100-4-6/IEC6100-4-8

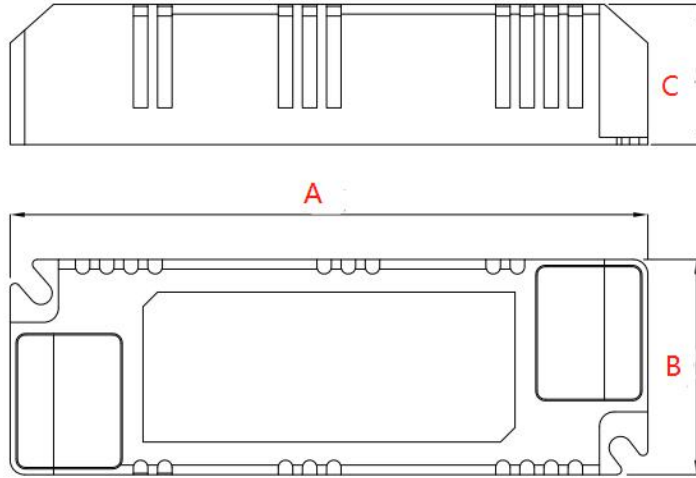## 安装接线 /Installation and Wiring

接线图 /Wiring Diagram

- 双路输出，共阳极，W-用于冷白色LED，Y-用于暖色LED /Two channels output, common anode, W- for cool white LED,Y-for warm LED
- 建议1：所有的连接尽可能短，以确保良好的EMC性能。Suggestion 1: make all connection as short as possible to ensure good EMC behavior.
- 建议2：使用0.75-1.0mm² 电线裸线长度7-8mm /Suggestion 2: use 0.75-1.0mm² wire, strip length 7-8mm

安装 /Installation

- 安装前需考虑散热/Heat dissipation must be considered before installation.
- 不能安装于全金属包围的环境中，会导致金属屏蔽信号影响数据的接收。/It can not be installed in the environment surrounded by all metal, which will cause the metal shielding signal to affect the data reception.
- 使驱动器尽可能远离周围环境中的电磁干扰，以确保射频控制行为 /Keep the drivers as far as possible away from electromagnetic interference in the surrounding environment to ensure RF controlling behavior.
- 安装时一定要切断电源/Make sure to keep mains off while installation.

尺寸/Dimension

A*B*C=111*42*25 Unit:mm

所有型号和规格 /All models and specifications

SEGBxxWxxxZ-A0是该系列的通用型号，包括以下型号：

SEGBxxWxxxZ-A0 is the general model of the series, including the following models:

Model Number	Input Voltage/V	Max Input Current/mA	Input Power/W	Output Voltage/V	Output Current/mA	PF	Max Output Voltage/V
SEGB5W110Z-A0	220-240AC	50	5	28-40V	110	0.5	45
SEGB6W140Z-A0	220-240AC	60	6	28-40V	140	0.5	45
SEGB7W160Z-A0	220-240AC	70	7	28-40V	160	0.5	45
SEGB9W200Z-A0	220-240AC	90	9	28-40V	200	0.5	45
SEGB10W240Z-A0	220-240AC	100	10	28-40V	240	0.5	45
SEGB12W270Z-A0	220-240AC	120	12	28-40V	270	0.5	45
SEGB15W350Z-A0	220-240AC	150	15	28-40V	350	0.5	45
SEGB18W400Z-A0	220-240AC	180	18	28-40V	400	0.5	45
SEGB20W450Z-A0	220-240AC	200	20	28-40V	450	0.5	45

无线数字控制器/Wireless digital controller

无线数字控制器是基于蓝牙无线控制的，与LED驱动器搭配可以进行无线调光、调色温、场景的控制。

The wireless digital controller is based on Bluetooth wireless control. It can be used with LED driver for wireless dimming, color temperature and scene control

多功能遥控器/Multifunction Remote Controller

- 单组控制，最多可以连接128个设备 /Single group control, up to 128 devices can be connected

- 无级调光和CCT调节 /Step-less dimming and CCT Adjusting

- 全控：与本遥控器配套的所有灯均可同时控制。

  All Control: All the lights that have matched with this remote can be controlled together.

- 控制距离：20M（视环境而定）/Control distance: 20m (depending on the environment)

- 更多功能：场景模式、开/关，调光，调色温/More functions: scene mode, on / off, dimming, color temperature

86面板控制器/ 86 Controller

- 单组控制，最多可以连接128个设备 /Single group control, up to 128 devices can be connected

- 适合安装在墙壁上或者桌子上/Suitable to install on the wall or put on the table.

- 无级调光和CCT调节 /Step-less dimming and CCT Adjusting

- All Control: All the lights remote can be controlled

场景模式控制器/Scene Mode Controller

- 单组控制，最多可以连接128个设备 /Single group control, up to 265 devices can be connected

- 4种固定场景模式+1种自定义场景/4 fixed scene modes + 1 Custom Scene

- 全控：与本遥控器配套的所有灯均可同时控制。

  All Control: All the lights that have matched with this remote can be controlled together.

有关上述控制器的详细信息，请参阅数据表。**For more details of above controllers, please refer to the datasheet.**

Note

- 万润保留随时对产品进行更改或修正的权利，恕不另行通知。客户应在下订单前确认数据表是最新的和完整的。

  VANRAIN reserves the right to make changes or corrections to the products at any time without notice. Customers should verify the datasheets are current and complete before placing order.

- 我们产品的改进是无止境的，我们将永远尽力为客户提供更好的产品。/The improvement of our products is endless，we will be always trying our best to provide better products for our customers.

- 以上内容仅供参考，实际参数以我公司审批单为准

  All the contents above are only for reference，The actual parameters are based on the approval sheet of our company.