

Led Strip Light IP66/Led灯带 IP66

Mounting instruction/安装说明

  	 	
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Type 型号	Lm/M (Typical) 流明/米	Power/M 功率/米	LED Type LED型号	LED Qty/M LED数量/米	Input Voltage 输入电压	CCT 色温
BGC409SP W 1406	1200Lm/M	14.4W/M	2835	56 pcs/M	DC24V	3000/4000/5000K
BGC409SP TW 1406	1000Lm/M	14.4W/M	2835	96 pcs/M	DC24V	2700K+6500K
BGC409SP RGB 1406	300Lm/M	9.6W/M	5050	48 pcs/M	DC24V	RGB
BGC409SP RGB+W 1406	600Lm/M	14.4W/M	5050+2835	96 pcs/M	DC24V	RGB+3000K/4000K
BGC409 W 1516T	650Lm/M	14.4W/M	2835	56 pcs/M	DC24V	3000/4000/5000K
BGC409 TW 1516T	500Lm/M	14.4W/M	2835	96 pcs/M	DC24V	2700K+6500K
BGC409 RGB 1516T	150Lm/M	9.6W/M	5050	48 pcs/M	DC24V	RGB
BGC409 RGB+W 1516T	350Lm/M	14.4W/M	5050+2835	96 pcs/M	DC24V	RGB+3000K/4000K
BGC409 W 1220S	400Lm/M	14.4W/M	2835	56 pcs/M	DC24V	3000/4000/5000K
BGC409 TW 1220S	320Lm/M	14.4W/M	2835	96 pcs/M	DC24V	2700K+6500K
BGC409 RGB 1220S	100Lm/M	9.6W/M	5050	48 pcs/M	DC24V	RGB
BGC409 RGB+W 1220S	200Lm/M	14.4W/M	5050+2835	96 pcs/M	DC24V	RGB+3000K/4000K

*该功率值基于1米灯带测试，为典型值，取决于选用电源效率，不同色温的产品数据会有所不同。
 *The wattage is typical value based on the test from 1m lighting strip. The real wattage is subject to the configured driver efficiency and lighting strip load. It will vary due to different color temperature.
 *鉴于该类LED照明产品特性，实际运行功率由控制系统设置所定；本说明书所列功率为出厂设定功率。Due to
 *The DMX512-based LED strips nature features,the actual power consumption is depending on control system commissioning and setting, the power data in this paper is pre-set in production.

	Power/5M 功率/5米	Model List 型号清单	Power/5M 功率/5米
BGC409SP W R90 8ID DIM L5000 IP66 DMX	72W/5M	BGC409 1516T W R90 8ID DIM L5000 IP66 DMX	72W/5M
BGC409SP TW R90 8ID DIM L5000 IP66 DMX	72W/5M	BGC409 1516T TW R90 8ID DIM L5000 IP66 DMX	72W/5M
BGC409SP RGB 8ID DIM L5000 IP66 DMX	48W/5M	BGC409 1516T RGB 8ID DIM L5000 IP66 DMX	48W/5M
BGC409SP RGB+W 8ID DIM L5000 IP66 DMX	72W/5M	BGC409 1516T RGB+W 24V 8ID DIM L5000 DMX	72W/5M
BGC409 1220S W R90 8ID DIM L5000 IP66 DMX	72W/5M	BGC409 1220S RGB 8ID DIM L5000 IP66 DMX	48W/5M
BGC409 1220S TW R90 8ID DIM L5000 IP66 DMX	72W/5M	BGC409 1220S RGB+W 24V 8ID DIM L5000 DMX	72W/5M

产品尺寸/Product Dimension

BGC409SP 1406 Dimension/尺寸 Unit: mm/单位: mm



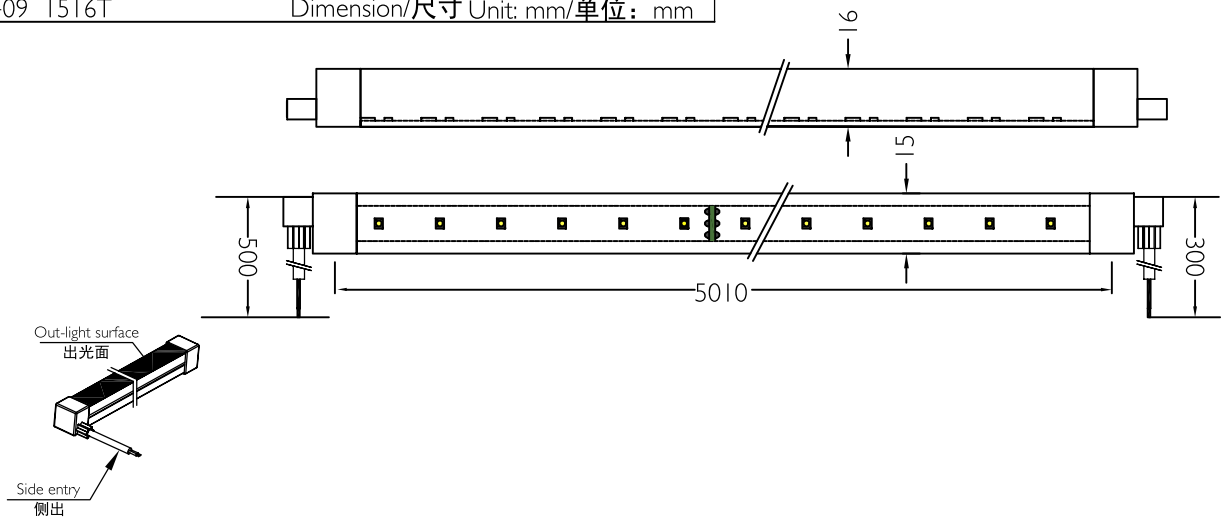
Signify Luminaires (Shanghai) Co., Ltd.
 Address: 2F, Building I, No. 2555 Hechuan Road, Minhang District, Shanghai
 Postalcode: 200233

昕诺飞灯具(上海)有限公司
 地址: 上海市闵行区合川路2555号1幢二楼
 邮编: 200233

LiteMagic

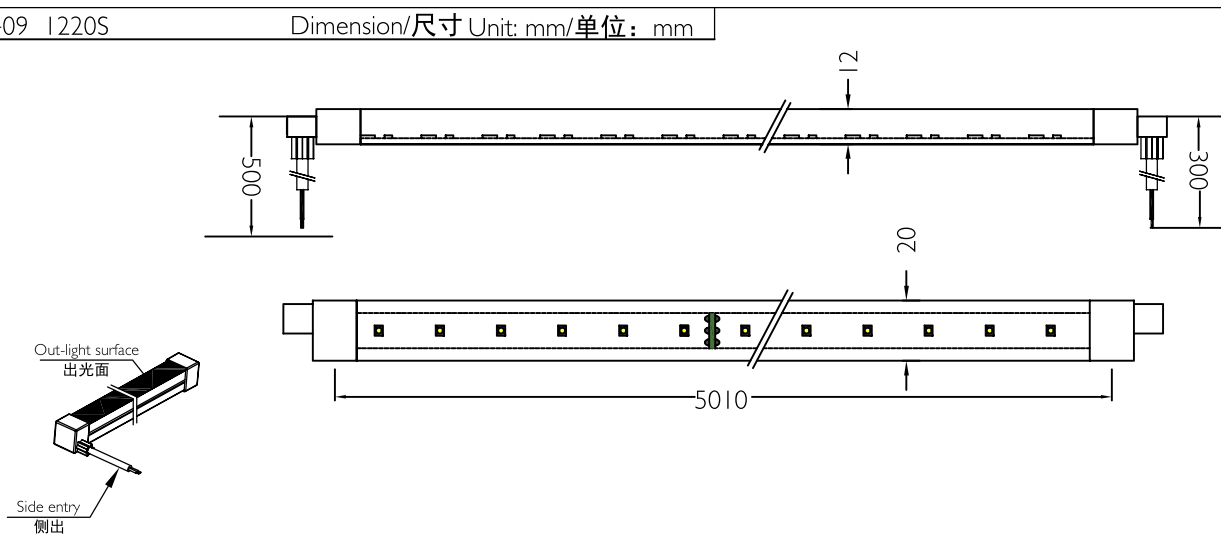
BGC409 1516T

Dimension/尺寸 Unit: mm/单位: mm



BGC409 1220S

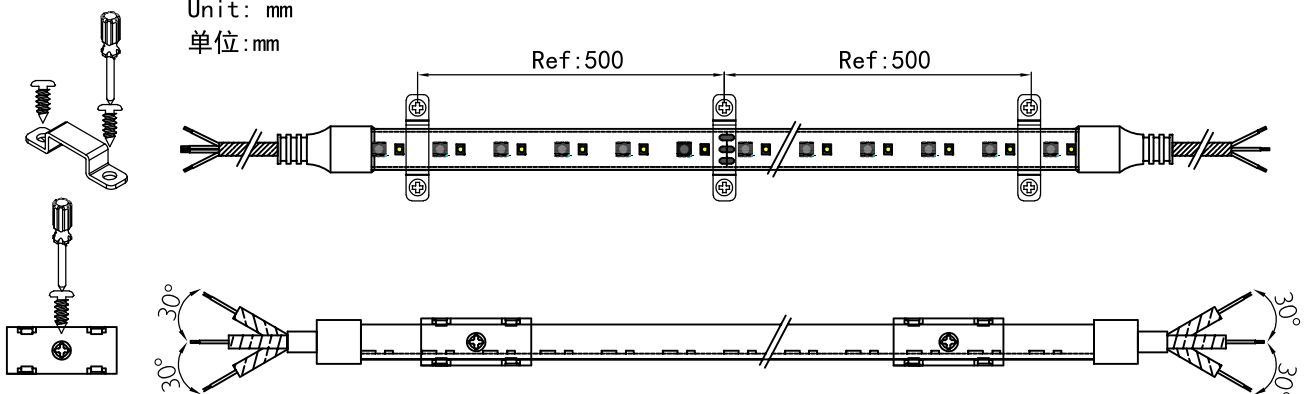
Dimension/尺寸 Unit: mm/单位: mm



BGC409SP/BGC409

Using mounting clip and self-tapping screw to fix strip.
使用卡扣和自攻螺钉固定灯带。

Unit: mm
单位: mm

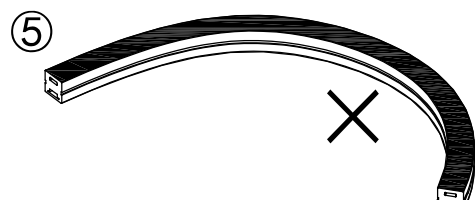
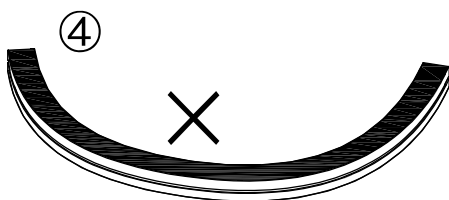
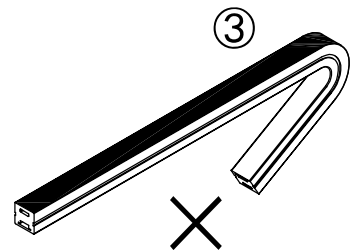
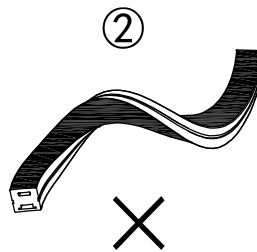
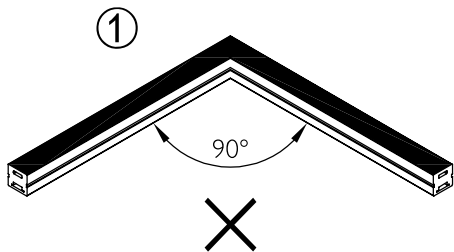
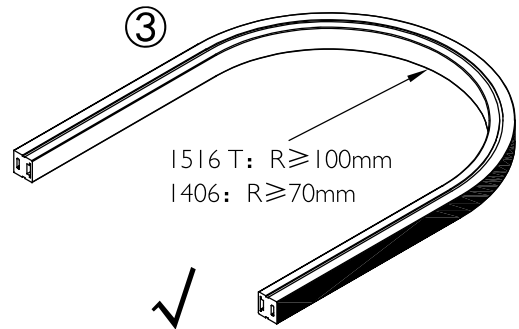
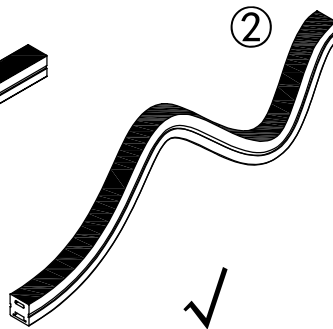
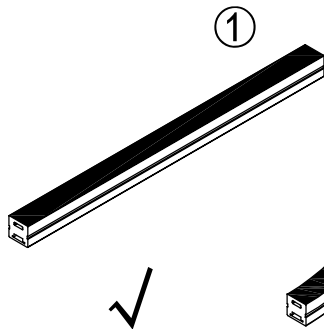
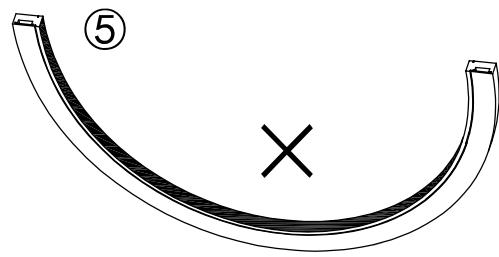
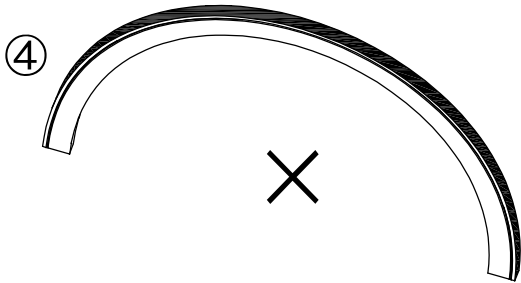
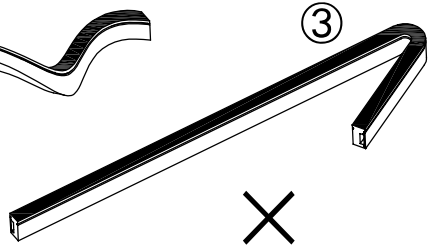
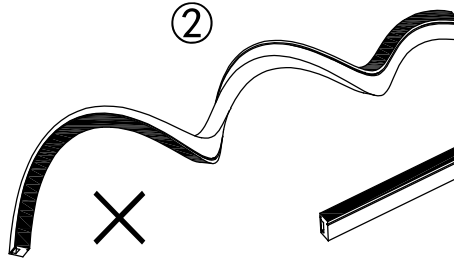
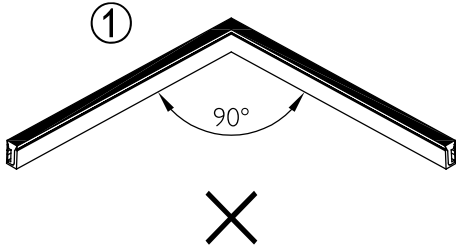
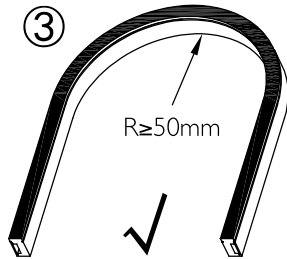
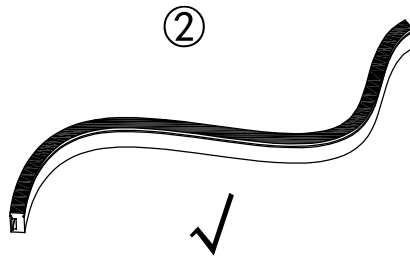
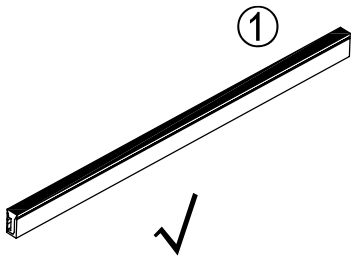


1. 灯带在安装过程中禁止拉扯、弯曲灯带端头出口线缆，并且确保安装后线缆位置水平或至少如上图所示位置。否则，产品的防水等级将降低。

The strips are not allowed to be twisted or bending the end cable. Please be sure the cable are installed at horizontal line or can be installed like the above picture, IP grade of product would be lower if not follow

2. 灯带的首尾端线缆在安装过程中必须做好防水和绝缘。

2. The cables of end of Led strip must be made waterproof and insulated during installation



● IC通道电流必须按照以下说明进行电流设置，不可超过MAX值的范围。
Current going through IC MUST be set accordingly to following instruction , it is forbidden to be over max ones

SMI8512PS通道最高电流 The maximum current is in SMI8512PS	一通道 MAX (18mA) channel 1 is 18mA	二通道 MAX (18mA) channel 2 is 18mA	三通道 MAX (18mA) channel 3 is 18mA	四通道 MAX (18mA) channel 4 is 18mA
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①. SM18512PS为四通道IC，单通道最高18mA电流，可调电流，按照灯珠最高承受的电流使用控制器调节IC输出电流，如BGC401SP/BGC401 RGB W, 通过控制器调节IC的输出电流，R/G/B/W每通道最高为18mA，可调试降低电流，满足其他功率需求。

SMI8512PS is named Channel 4 , maximum current is 18mA, adjustable, Clients can adjust the output current from IC accordingly to the highest current led can stand for, BGC401SP / BGC401 RGB W , i.e . R/G/B/W each channel has 18mA current max, Able to adjust the current to meet different power consumption.

②. 如单色BGC401SP W/BGC401 W 最高电流为72mA, IC 4通道并联使用，所以每通道最高为18mA可调试降低电流，满足其他功率需求。

The max current of single color BGC401SP W/BGC401 W is 72mA, it is able to work together with 4 channels in parallel circuit , thus the max current each channel is 18mA, and it is able to adjust the current to meet different power consumption.

Cable connection/出线连接方式

注意 Note:

1. 控制器和灯带的信号和GND的连接请使用网线,不要使用电线。

there shall be NO any cable between controller and strips singal and GND parts, Must use reticle .

2. 灯带的IC型号是SMI8512PS, Led strip's IC is SMI8512PS.

接线操作: Instruction on connection

操作1: 电源连接灯带, 电源正极连接灯带VCC正极, 电源负极连接灯带GND负极。

Step 1 : Connect the strips with power supplier , positive to VCC on strips, negative to GND on strips.

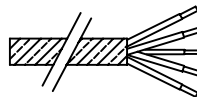
操作2: 控制器连接灯带, 控制器GND必须用网线连接灯带GND和电源负极, 控制器DA/DB必须用网线连接灯带DA/DB信号线。

Step 2 : Connect strips to controller , GND of controller to GND of Strips and positive of power supplier by reticle , DA/DB on strips to cable of DA/DB signal on strips by reticle.

操作3: 同一端口所有的电源供电输出24V负极, 单独用一根线并起来。

Step 3 : All the power supplies on the same port power output 24V negative pole, with a separate wire and up.

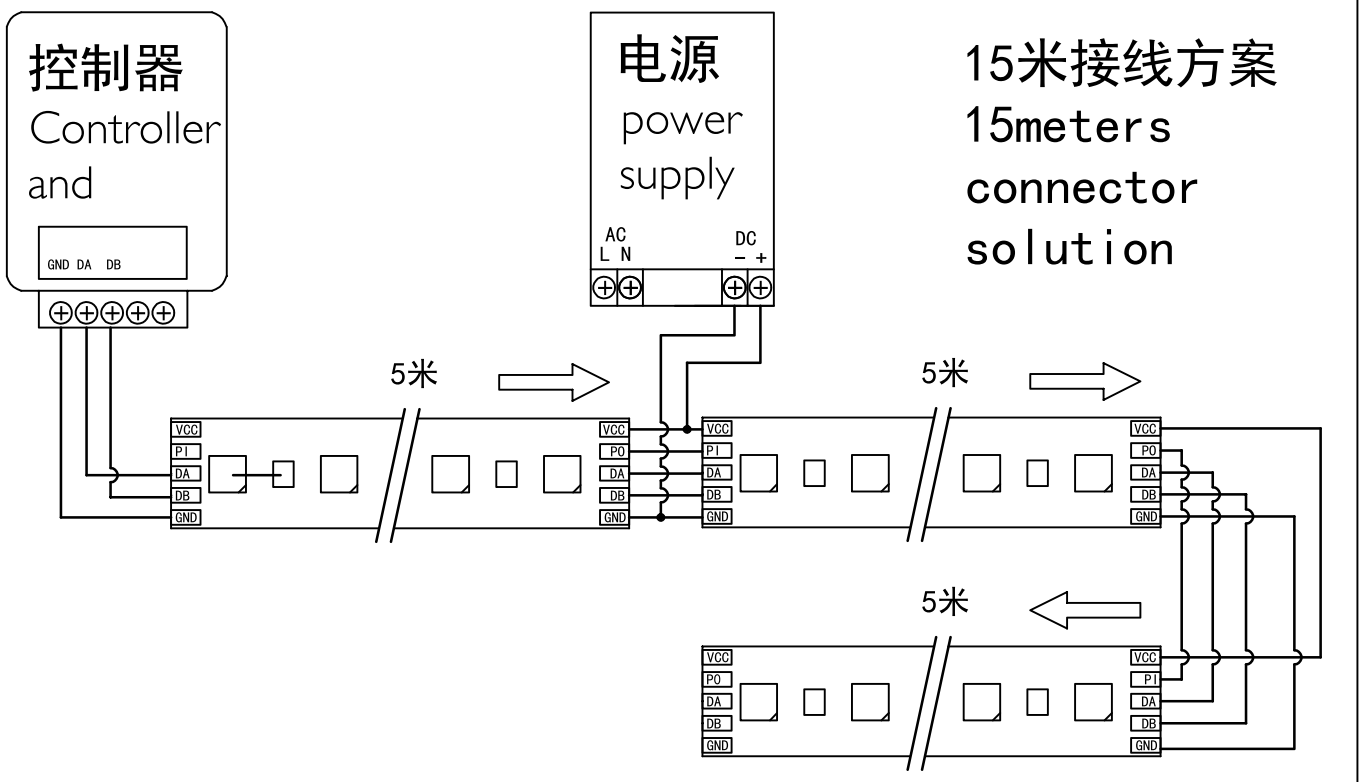
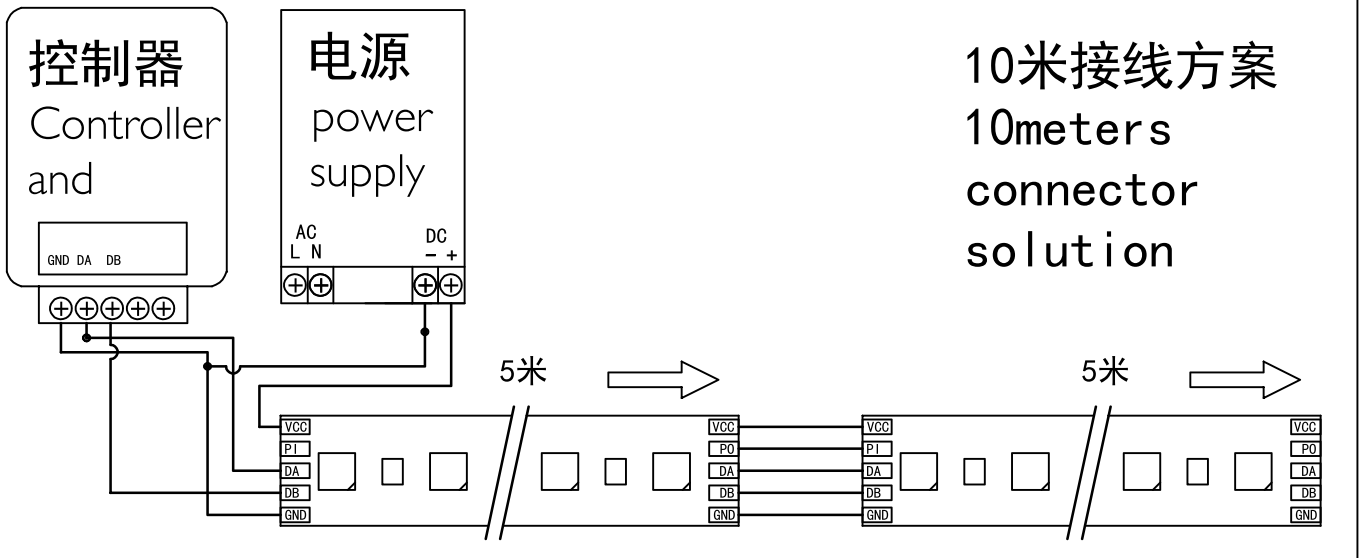
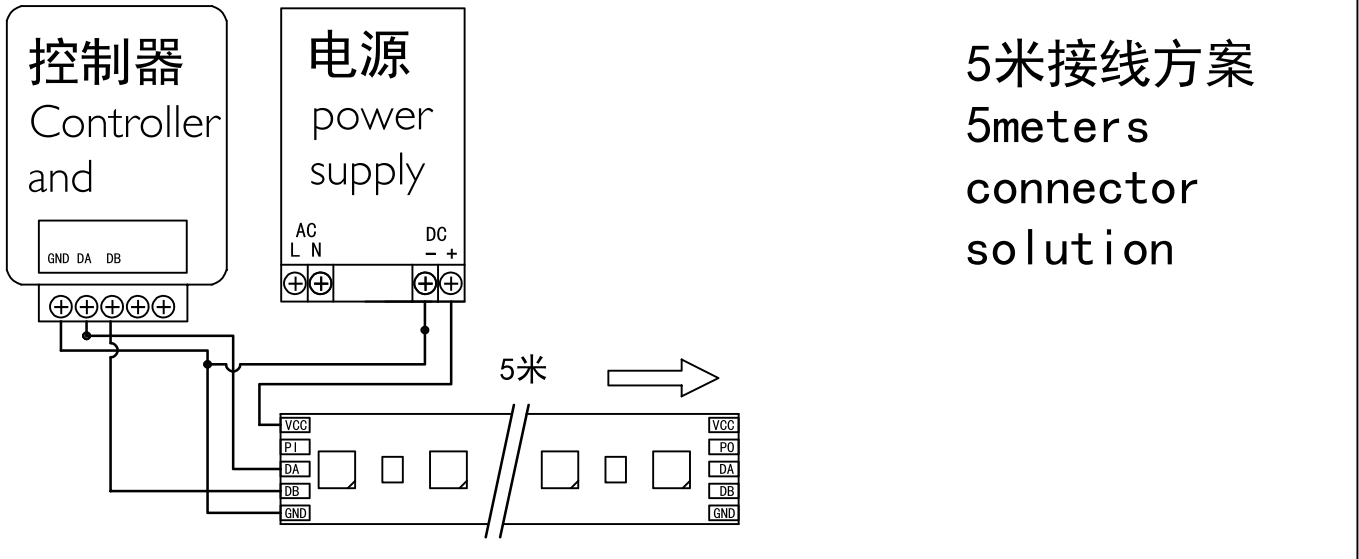
线序
Line sequence

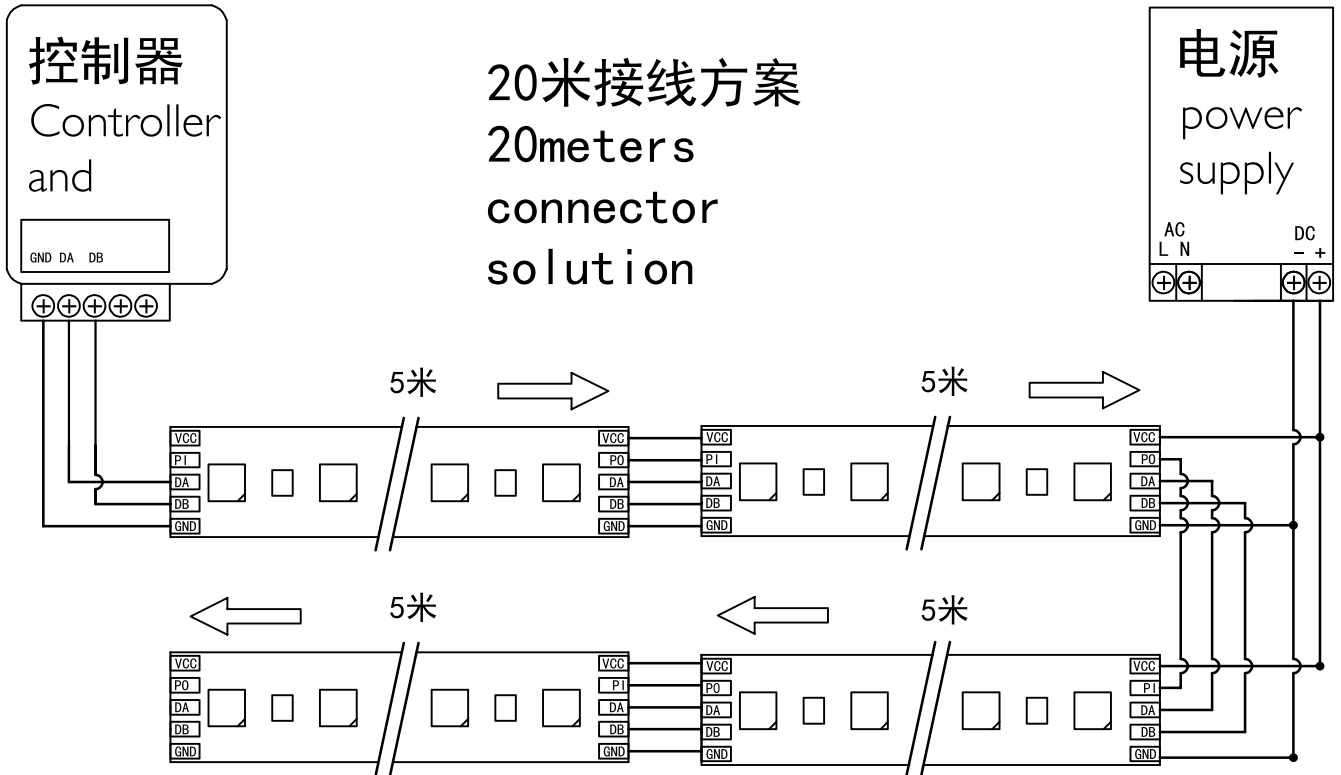


红线	红线=VCC正极	Red-VCC positive
蓝线	蓝色=地址PI (P0) 线	Blue- address of PI (P0)
绿线	绿线=信号DA线	Green- Signal DA
黄线	黄线=信号DB线	Yellow- Signal DB
黑线	黑线=GND负极	Black- GND negative

控制系统任何参数设定均可导致该LED产品的工作模式及视觉效果变化; 一旦完成设定, 表明接受该产品的工作模式。Any data setting in configuration of control system shall change the LED strips working mode and visual effect consequently. While completing commissioning, it means the working mode is admmissive.

Cable connection/出线连接方式





注：1. 其中灯带地址线PI（ADI）与控制器PI端口之间可以不连接。

Step 1. Clients Can not connect PA(ADI) on strips with PI channel of controller

2. 灯带PI（ADI）与控制器PI端口相接时，控制器PI要一直为高电平。

2. When PI(ADI) on strips connect with PI on controller, the controller must be working with high frequency

3. 本灯带最长供电串联长度为10米，如果超过10米灯带使用，请并联供电。

3. The strip light max length 10m if in series circuit by power supply, please use multiple circuit by power supply if over 10m strips.

4. 鉴于控制器及施工条件不同，每个控制器建议连接灯带最大长度为20米，实际有效可控灯带长度根据控制器和现场施工线缆等条件决定。

4. Given the diversity of controller and installation wiring, maximum length of LED strips connected to each controller is 20m, the actual controllable strips length is depending on controller and wiring cable, site conditions, etc.

5. 同一端口所有的电源供电输出24V负极，单独用一根线并起来。

5. All the power supplies on the same port power output 24V negative pole, with a separate wire and up.

1. 灯带与驱动电源之间连接必须使用防水等级达到IP66的接线盒图。

The junction box between the driver and lighting strip should reaches the water grade of IP66.

2. 产品应匹配符合IEC/EN 61347-2-13 (灯带无电源供电) 的认证的独立SELV LED驱动器；

-输出电压(恒定电压)等于本产品的额定电压；

-输出功率至少等于本产品的额定功率；

-如果变压器的保护指数为IP65或以上，则电源插头可以使用在IP44的插座上。

The products shall be supplied with a certified independent SELV LED driver complying with IEC/EN 61 347-2-13 (strip light delivered without supply source); and

- With output voltage (constant voltage) equal to rated voltage of this product; and

- With output power at least equal to the rated power of this product; and

- With protection index of IP65 or above for the transformer, the mains plug can be using an IP44 socket

建议使用飞利浦电源，详细请咨询销售部。

Recommend to use Philips driver, details please consult sales department.

驱动必须放置在IP65及以上等级的户外防水接线盒中，IP65防水接线盒由客户自行采购。

Driver must be installed within waterproof junction box IP65 or higher IP level,

Waterproof junction box IP65 is purchased by customer.

警示/Warning

使用本产品前，请先仔细阅读本手册

Please read this manual carefully before using the product

- 所有不当使用或自行更改产品结构而导致损坏，生产商不负任何责任。
The manufacturer will not be held responsible for improper usage or modifications of the product.
- 电源驱动器必须符合IEC61347-2-13/GB19510.14的独立式要求。
The power supply must accord with independent driver requirements of IEC61347-2-13/GB19510.14.
- 用于间接照明时，灯带需保持与被照物10cm的距离。
This product should be installed 10cm away from the illuminated object when it's applied for in-direct lighting
- 灯具的光源不可单独替代，当光源寿终时，整个灯具需要被替换掉。
The light source of this luminaire is not replaceable; when the light source reaches its end of life the whole luminaire shall be replaced
- 产品如有变动，恕不另行通知。
Products shall be subject to any changes without additional notices

使用操作说明：Operation instruction：

- 安装和维护灯具时，请做好防静电措施。
Pls take staticproof measure when installing and maintaining the luminaires.
- 如发现异常或操作有任何问题，请务必先切断电源，然后与经销商联系。
In case of operation failure, please switch off the power and contact your nearest dealer.

保养方法：Maintenance：

- 灯带不洁处需擦拭时请用柔软干燥的布料擦拭。
To clean the product, please use soft dry cottoncloth only.
- 请不要用香蕉水等挥发性物质擦拭灯带表面，请不要对灯具喷洒任何化学药剂，否则灯具可能会变色或损坏。
Do not use chemical solvents to clean the lighting strip, it might damage the surface.

注意：Attention：

- 安装和维护灯带时，请务必先关闭电源！
Please shut off the power supply before mounting and maintaining lighting strip!
- 灯带应由有资格的电工安装，接线符合IEE电气标准或国家标准。
The lighting strip shall be installed by a qualified electrician and wired in accordance with the latest IEE electrical regulations or the national requirements.
- 灯带不允许被隔热或类似材料覆盖。
The lighting strip shall not be covered with thermal insulation or similar material under any circumstance.
- 灯具避免在腐蚀性环境或者含有有害物质，例如硫化物，卤化物，邻苯二甲酸酯等环境中存储和使用。
The corrosive atmosphere or hazardous materials such as sulfur, chlorine, phthalate, etc must be avoided during the use and storage.
- -当接通电源时，不可将灯带放在包装内或缠绕在卷盘上。
-Do not connect the strip light to the power supply while it is in the packing or wound onto a reel.
- -在被覆盖或嵌入表面时，不可使用灯带。
-Do not use the strip light when covered or recessed into a surface.
- -最小允许弯曲半径为50毫米。
-minimum allowed bending radius is 50mm.
- -不要切断或损坏灯带，否则会导致IP失效。
-Do not cut or damage the strip light otherwise IP fails.
- -插头与灯带之间的连接电缆长度不应小于1.5米。
-The length of the cable between the plug and the connection to the strip light shall be not less than 1.5m.

有害物质清单/Harmful Substance Form

产品中有害物质的名称及含量

部件名称	有害物质					
	铅 (Pb)	汞 (Hg)	镉 (Cd)	六价铬 (Cr ⁶⁺)	多溴联苯 (PBB)	多溴二苯醚 (PBDE)
LED灯板/光源	○	○	○	○	○	○
驱动器(板), 铜制及电子零部件	×	○	○	○	○	○
透镜光学部件	○	○	○	○	○	○
外壳及其它零部件	○	○	○	○	○	○

本表格依据SJ/T 11364的规定编制

○: 表示该有害物质在该部件所有均质材料中的含量均在GB/T 26572规定的限量要求以下。

×: 表示该有害物质至少在该部件的某一均质材料中的含量超出GB/T 26572规定的限量要求。

Applicable to China Only

合格证/Qualification

合格证