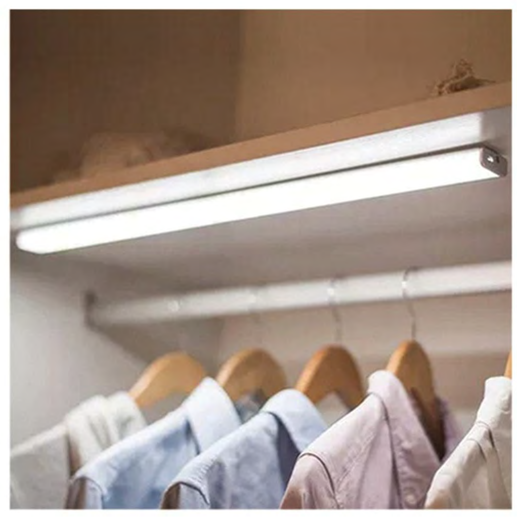
NO.37

# LED LIGHTS

## FOR Freezer/Cooler/Showcase

### Cabinet



宁波胜日电子有限公司

NINGBO SUNELEC CO.,LTD.

## COMPANY INTRODUCTION
## 公司简介

Our company professionally produce kinds of LED lights for freezer,beverage cooler,display cooler,kinds of special showcases,range hood, etc.household electrical appliances and cabinets.We adjust the color temperature, lumens and design based on the characteristic of different household appliances and cabinets, we focus on producing the lights with waterproof, high voltage insulation,etc.

Our core team has more than 10 years exp erience in the line of LED lights, our customers are from Europe, USA, Southeast Asia, Russia, South America & Middle East etc. We warmly hope to establish long term business relationship with all of our customers!

我公司专业生产和研发各类家电和橱柜照明用LED灯具，产品主要用于冷冻柜，饮料冷藏柜，冷藏展示柜及各种特殊展示柜，冰箱，油烟机和橱柜等，我们会根据不同家电的特点进行亮度和色温等参数的调整，以及考虑不同的家电使用环境对LED灯具进行防水，耐高压绝缘等处理和造型设计。

我们的核心团队具有十年以上的家电和LED照明从业经验，我们的客户遍及欧洲，俄罗斯，韩国，印度，沙特和中南美洲等地，我们衷心希望和客户们建立长久的合作伙伴关系！

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# 胜日灯具的各种简便安装方式
## The way to install SUNELEC lights

### 安装方式 1
### WAY1

直接用螺丝通过灯管两端的安装孔
固定在指定位置上，通电即可使用。

Directly use screws to fix the light

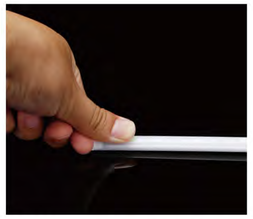
### 安装方式 2
### WAY2

用抹布或者纸巾将面板擦拭干净，避免有灰尘，水渍。

Clean the surface

撕掉灯管背部所贴 3M 双面胶的保护膜

Tear off the protective film of adhesive tape



粘在所需位置后，通电即可使用

Stick on the right position

### 安装方式 3
### WAY3

先用螺丝在指定位置上固定卡扣。

Fix the socket by screw

安装时，只需将灯管扣入卡扣中，通电即可使用。

Lock the light into the socket

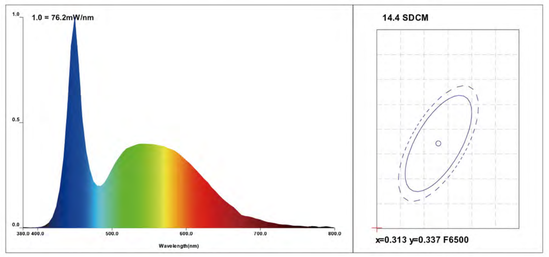
先用螺丝在指定位置上固定卡扣。

Fix the socket by screw

安装时，只需将灯管扣入卡扣中，通电即可使用。

Lock the light into the socket

Light Source Test Report




```
CIE Color Parameters:
Chromaticity Coordinate:x=0.2965 y=0.3098/u'=0.1936 v'=0.4552(duv=1.89e-03)
CCT:Tc=  7788K  Prcp WaveL:λd=483.0nm Purity=14.4%
Peak WaveL:λp=450nm  Half Width:Δλp=22.2nm Ratio:R=12.3% G=81.8% B=5.8%
Average Wave: 531nm
Rendering Index:Ra=81.7  Ra'=73.8
R1 =81   R2 =85   R3 =85   R4 =83   R5 =82   R6 =78   R7 =88   R8 =72
R9 =7    R10=62   R11=82   R12=55   R13=82   R14=92   R15=77

Photo Parameters:
Flux:Φ=1937.6(lm) Luminous Efficacy: 94.57(lm/W) Luminous Power:P=6.496(W)

Electrical Parameters:
  U=230.0V I=0.09304A P=20.49W PF=0.957
```

# 胜日灯具的生产工艺和检测要点

胜日灯具主要用于家电和橱柜领域，在符合照明要求的同时，专注于提高防水、防潮、耐高压性能试验、以及模拟在家电中使用时处于轻微的振动环境。

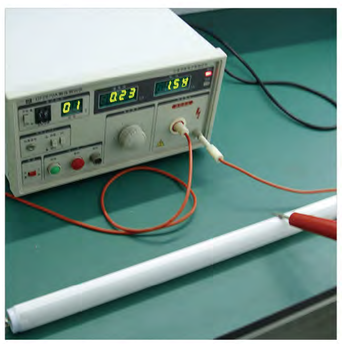
Sunelec lights  mainly used in electrical appliances and cabinets,besides on the lighting specifications, we focus on waterproof,humidityproof, highvoltage protect and vibration protect.

用三防漆对线路板进行表面处理，保护线路板免受各种化学品、盐雾、 潮湿、 电绝缘灰尘、 震动及高低温等恶劣环境冲击，从而大幅提高产品的使用寿命。

Use triproof painting protect the PCB from chemicals,salt,mist hunmidity,insulation dust, vibration and highlow temperature,etc,increase the life of lights.

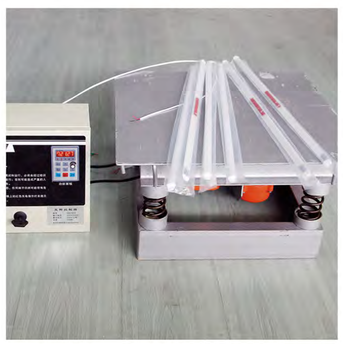
对每批成品灯进行防水检测。

Water proof test.



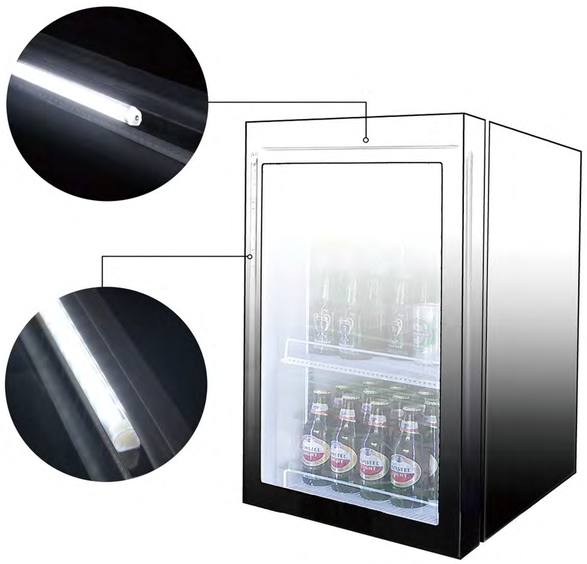
对灯进行耐高压测试。

High voltage test.

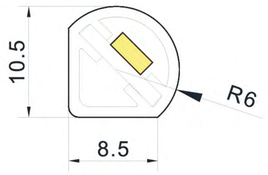


模拟在电器使用状态下的振动试验。

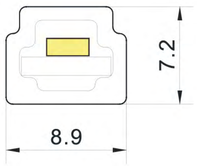
Simulating to be used in the electrical appliances in vibrating condition.



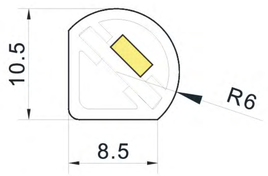
For Freezer / Cooler / Showzase / Cabinet




| Model | SIZE(L) (mm) | Voltage | Wattage (w) | LED | Luminous Flux (LM) |
|---|---|---|---|---|---|
| SCL6002-323 | 323 | DC12V | 2.4±10% | 12SMD2835 | 240±10% |
| SCL6002C-323 | | DC300mA | 3±10% | 15SMD2835 | 300±10% |
| SCL6002-623 | 623 | DC12V | 4.8±10% | 24SMD2835 | 480±10% |
| SCL6002C-623 | | DC300mA | 5±10% | 25SMD2835 | 500±10% |
| SCL6002-1223 | 1223 | DC12V | 9.6±10% | 48SMD2835 | 960±10% |
| SCL6002C-1223 | | DC300mA | 10±10% | 50SMD2835 | 1000±10% |

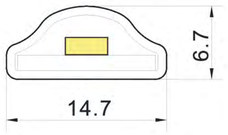


| Model | SIZE(L) (mm) | Voltage | Wattage (w) | LED | Luminous Flux (LM) |
|---|---|---|---|---|---|
| SCL6001-300 | 300 | DC12V | 1.8±10% | 18SMD3014 | 180±10% |
| SCL6001C-300 | | DC300mA | 3±10% | 30SMD3014 | 300±10% |
| SCL6001-600 | 600 | DC12V | 3.6±10% | 36SMD3014 | 360±10% |
| SCL6001C-600 | | DC300mA | 5±10% | 50SMD3014 | 500±10% |
| SCL6001-1200 | 1200 | DC12V | 7.2±10% | 72SMD3014 | 720±10% |
| SCL6001C-1200 | | DC300mA | 10±10% | 100SMD3014 | 1000±10% |

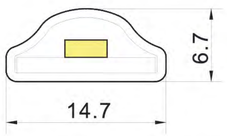


| Mode | SIZE(L) (mm) | Voltage | Wattage (w) | LED | Luminous Flux (LM) |
|---|---|---|---|---|---|
| SCL6002AC-323 | 323 | AC230V | 2±10% | 12SMD2835 | 240±10% |
| SCL6002AC-623 | 623 | | 4.5±10% | 24SMD2835 | 500±10% |
| SCL6002AC-1223 | 1223 | | 9±10% | 48SMD2835 | 1000±10% |

## For Freezer / Cooler / Showzase / Cabinet



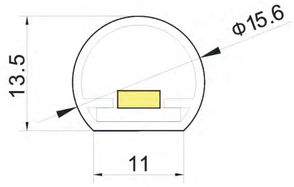
| Model | SIZE(L) (mm) | Voltage | Wattage (w) | LED | Luminous Flux (LM) |
|---|---|---|---|---|---|
| SCL6003-328 | 328 | DC12V | 2.4±10% | 12SMD2835 | 240±10% |
| SCL6003C-328 | | DC300mA | 3±10% | 15SMD2835 | 300±10% |
| SCL6003-628 | 628 | DC12V | 4.8±10% | 24SMD2835 | 480±10% |
| SCL6003C-628 | | DC300mA | 5±10% | 25SMD2835 | 500±10% |
| SCL6003-1228 | 1228 | DC12V | 9.6±10% | 48SMD2835 | 960±10% |
| SCL6003C-1228 | | DC300mA | 10±10% | 50SMD2835 | 1000±10% |
| SCL6003-1428 | 1428 | DC12V | 12±10% | 60SMD2835 | 1200±10% |
| SCL6003C-1428 | | DC300mA | 15±10% | 75SMD2835 | 1500±10% |



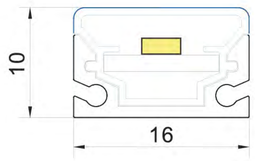
| Model | SIZE(L) (mm) | Voltage | Wattage (w) | LED | Luminous Flux (LM) |
|---|---|---|---|---|---|
| SCL6003AC-428 | 428 | AC230V | 2±10% | 12SMD2835 | 240±10% |
| SCL6003AC-528 | 528 | | 3.5±10% | 20SMD2835 | 400±10% |
| SCL6003AC-628 | 628 | | 4.5±10% | 24SMD2835 | 500±10% |
| SCL6003AC-1228 | 1228 | | 9±10% | 48SMD2835 | 1000±10% |



## For Freezer / Cooler / Showzase / Cabinet



| Model | SIZE(L) (mm) | Voltage | Wattage (w) | LED | Luminous Flux (LM) |
|---|---|---|---|---|---|
| SCL6004-300 | 300 | DC12V | 2.4±10% | 12SMD2835 | 240±10% |
| SCL6004C-300 | | DC300mA | 3±10% | 15SMD2835 | 300±10% |
| SCL6004-600 | 600 | DC12V | 4.8±10% | 24SMD2835 | 480±10% |
| SCL6004C-600 | | DC300mA | 5±10% | 30SMD2835 | 500±10% |
| SCL6004-1200 | 1200 | DC12V | 9.6±10% | 48SMD2835 | 960±10% |
| SCL6004C-1200 | | DC300mA | 10±10% | 60SMD2835 | 1000±10% |



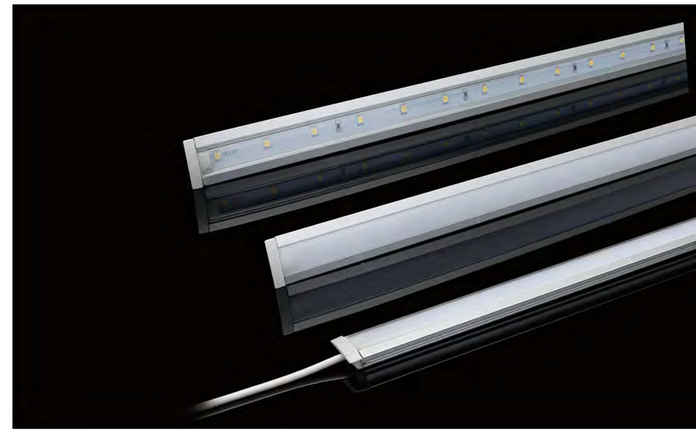
| Model | SIZE(L) (mm) | Voltage | Wattage (w) | LED | Luminous Flux (LM) |
|---|---|---|---|---|---|
| SCL6005-328 | 328 | DC12V | 2.4±10% | 12SMD2835 | 240±10% |
| SCL6005C-328 | | DC300mA | 3±10% | 15SMD2835 | 300±10% |
| SCL6005-628 | 628 | DC12V | 4.8±10% | 24SMD2835 | 480±10% |
| SCL6005C-628 | | DC300mA | 5±10% | 25SMD2835 | 500±10% |
| SCL6005-1228 | 1228 | DC12V | 9.6±10% | 48SMD2835 | 960±10% |
| SCL6005C-1228 | | DC300mA | 10±10% | 50SMD2835 | 1000±10% |
| SCL6005-1528 | 1528 | DC12V | 12±10% | 60SMD2835 | 1200±10% |
| SCL6005C-1528 | | DC300mA | 15±10% | 75SMD2835 | 1500±10% |

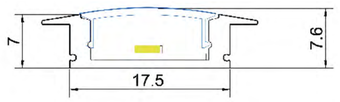
## For Cabinet / Showcase

| Model | SIZE(L) (mm) | Voltage | Wattage (w) | LED | Luminous Flux (LM) |
|---|---|---|---|---|---|
| SCL7001-300 | 300 | DC12V | 2.4±10% | 12SMD2835 | 240±10% |
| | | | 0.9±10% | 9SMD3014 | 90±10% |
| SCL7001-600 | 600 | | 4.8±10% | 24SMD2835 | 480±10% |
| | | | 1.8±10% | 18SMD3014 | 180±10% |
| SCL7001-1000 | 1000 | | 9.6±10% | 48SMD2835 | 960±10% |
| | | | 3.6±10% | 36SMD3014 | 360±10% |

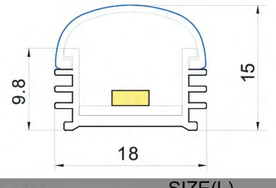


## For Cabinet / Showcase

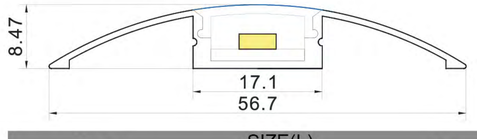





| Model | SIZE(L) (mm) | Voltage | Wattage (w) | LED | Luminous Flux (LM) |
|---|---|---|---|---|---|
| SCL7004-300 | 300 | DC12V | 2.4±10% | 12SMD2835 | 240±10% |
| SCL7004-600 | 600 | | 4.8±10% | 24SMD2835 | 480±10% |
| SCL7004-1000 | 1000 | | 9.6±10% | 48SMD2835 | 960±10% |

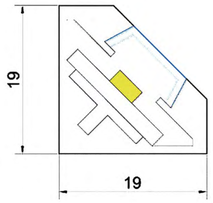



| Model | SIZE(L) (mm) | Voltage | Wattage (w) | LED | Luminous Flux (LM) |
|---|---|---|---|---|---|
| SCL7003-300 | 300 | DC12V | 2.4±10% | 12SMD2835 | 240±10% |
| SCL7003-600 | 600 | | 4.8±10% | 24SMD2835 | 480±10% |
| SCL7003-1000 | 1000 | | 9.6±10% | 48SMD2835 | 960±10% |

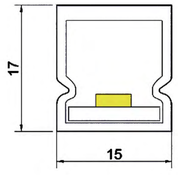



| Model | SIZE(L) (mm) | Voltage | Wattage (w) | LED | Luminous Flux (LM) |
|---|---|---|---|---|---|
| SCL7005-300 | 300 | DC12V | 2.4±10% | 12SMD2835 | 240±10% |
| SCL7005-600 | 600 | | 4.8±10% | 24SMD2835 | 480±10% |
| SCL7005-1000 | 1000 | | 9.6±10% | 48SMD2835 | 960±10% |

## For Cabinet / Showcase



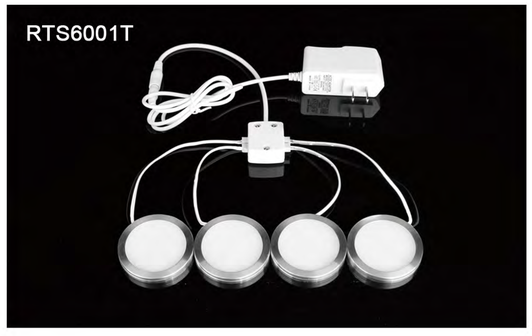
| Model | SIZE(L) (mm) | Voltage | Wattage (w) | LED | Luminous Flux (LM) |
|---|---|---|---|---|---|
| SCL7006-300 | 300 | DC12V | 2.4±10% | 12SMD2835 | 240±10% |
| SCL7006-600 | 600 | | 4.8±10% | 24SMD2835 | 480±10% |
| SCL7006-1000 | 1000 | | 9.6±10% | 48SMD2835 | 960±10% |

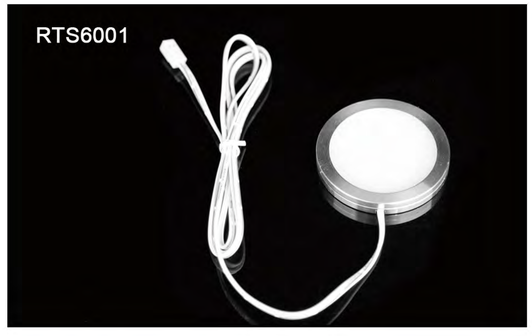


| Model | SIZE(L) (mm) | Voltage | Wattage (w) | LED | Luminous Flux (LM) |
|---|---|---|---|---|---|
| SCL7007-300 | 300 | DC12V | 2.4±10% | 12SMD2835 | 240±10% |
| SCL7007-600 | 600 | | 4.8±10% | 24SMD2835 | 480±10% |
| SCL7007-1000 | 1000 | | 9.6±10% | 48SMD2835 | 960±10% |



## For Cabinet / Showcase

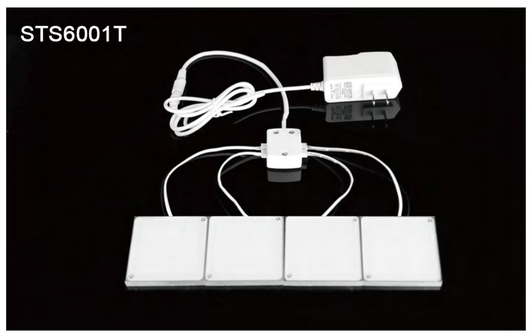


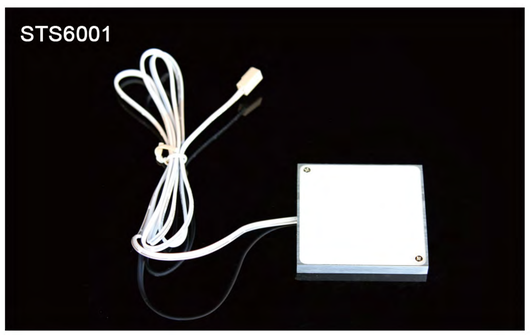




| Model | SIZE(L) (mm) | Voltage | Wattage (w) | Colour temperature | Luminous Flux (LM) | Material |
|---|---|---|---|---|---|---|
| RTS6001T | Φ60*8 | AC85-265V | 9.6 | 3000-6500K | 960 | AL |
| RTS6001 | Φ60*8 | DC12V | 2.4 | 3000-6500K | 240 | AL |

# LED SQUARE SPOT LIGHT

For Cabinet / Showcase



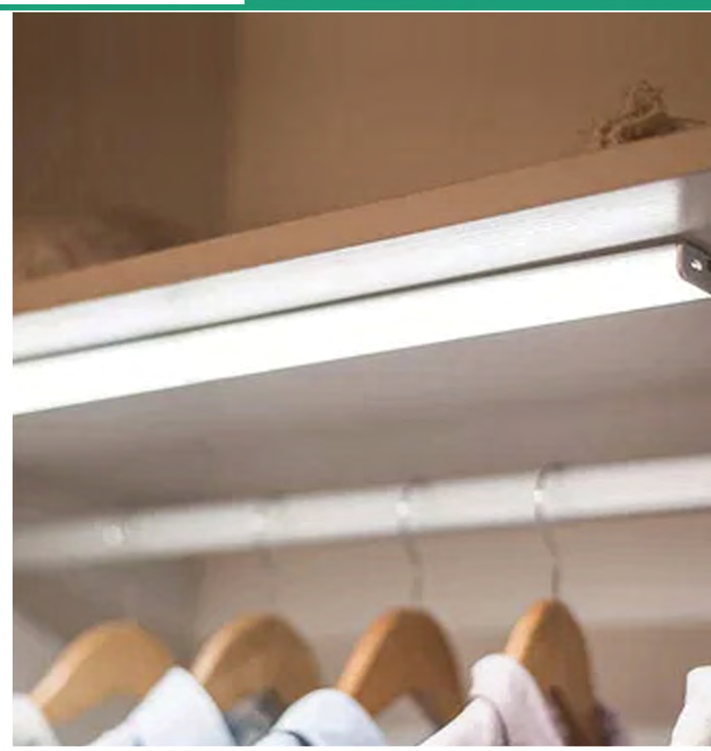



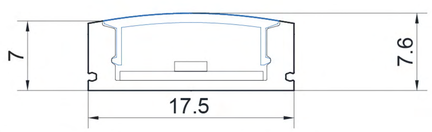

| Model | SIZE(L) (mm) | Voltage | Wattage (w) | Colour temperature | Luminous Flux (LM) | Material |
|---|---|---|---|---|---|---|
| STS6001T | 60X60X6.5 | AC85-265V | 9.6 | 3000-6500K | 960 | AL |
| STS6001 | 60X60X6.5 | DC12V | 2.4 | 3000-6500K | 240 | AL |



# LED SENSING LIGHT

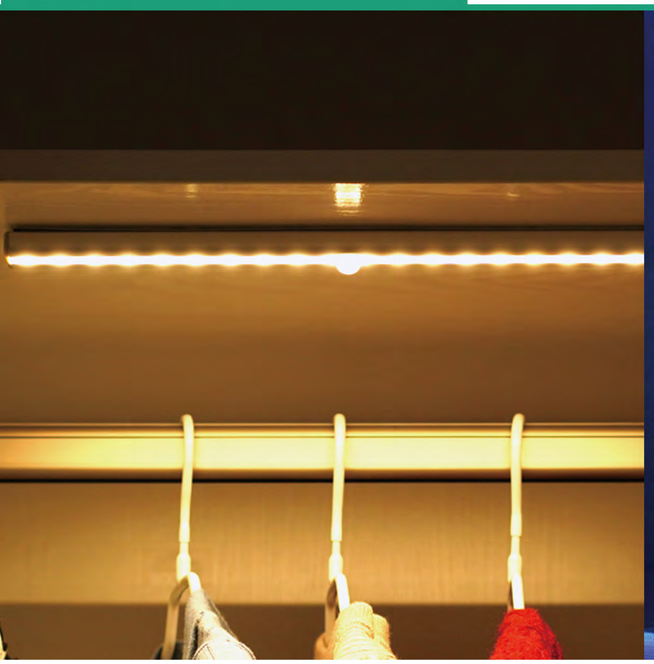
For Cabinet



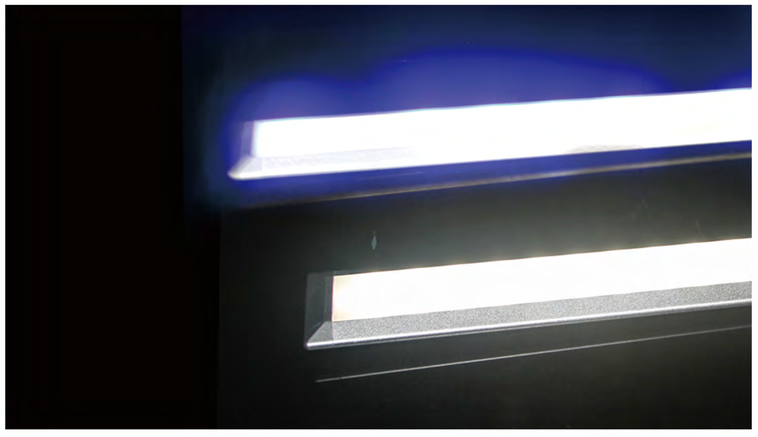



| Model | SIZE(L) (mm) | Voltage | Wattage (w) | LED | Luminous Flux (LM) |
|---|---|---|---|---|---|
| SCL7002-300 | 300 | DC12V | 2.4±10% | 12SMD2835 | 240±10% |
| SCL7002-600 | 600 | DC12V | 4.8±10% | 24SMD2835 | 480±10% |
| SCL7002-1000 | 1000 | DC12V | 9.6±10% | 48SMD2835 | 960±10% |

# LED STERILIZING LIGHT



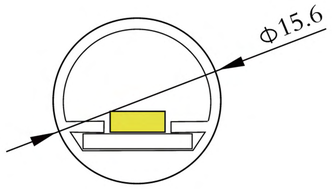
## For Cabinet



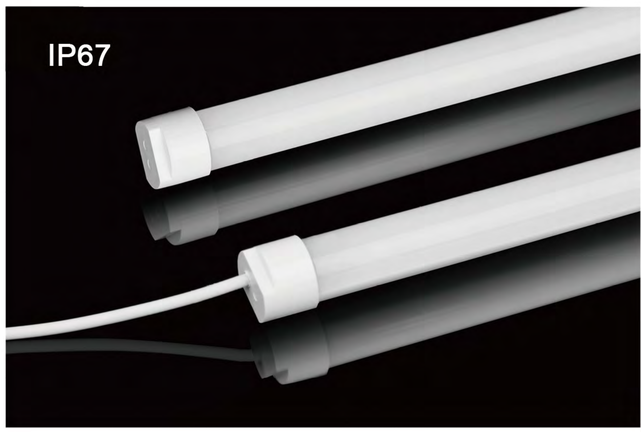
| Model | SIZE(L) (mm) | Voltage | Wattage (w) | LED |
|---|---|---|---|---|
| UVC.C.001 | 300 | USB | 2W+2W | UVC+UVA/5000K |
| UVC.C.002 | 600 | USB | 4W | UVC+UVA/5000K |



## For Freezer / Cooler / Showcase




POWER SOURCE EXTERNAL

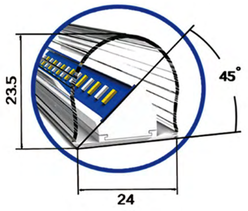


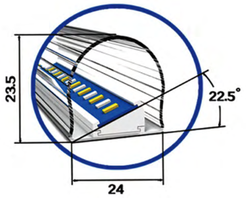

| Model | SIZE(L) (mm) | Voltage | Wattage (w) | LED | Luminous Flux (LM) |
|---|---|---|---|---|---|
| T5WP01-610 | 610 | AC90-265 | 10±10% | 50SMD2835 | 1000±10% |
| T5WP01-910 | 910 | | 15±10% | 75SMD2835 | 1500±10% |
| T5WP01-1210 | 1210 | | 20±10% | 100SMD2835 | 2000±10% |

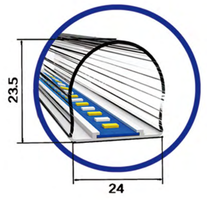
| Model | SIZE(L) (mm) | Voltage | Wattage (w) | LED | Luminous Flux (LM) |
|---|---|---|---|---|---|
| T8WP02-610 | 610 | AC90-265 | 10±10% | 50SMD2835 | 1000±10% |
| T8WP02-910 | 910 | | 15±10% | 75SMD2835 | 1500±10% |
| T8WP02-1210 | 1210 | | 20±10% | 100SMD2835 | 2000±10% |

# WATER-PROOF LED TUBE

For Freezer / Cooler / Showcase



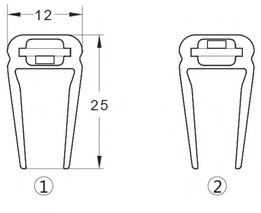



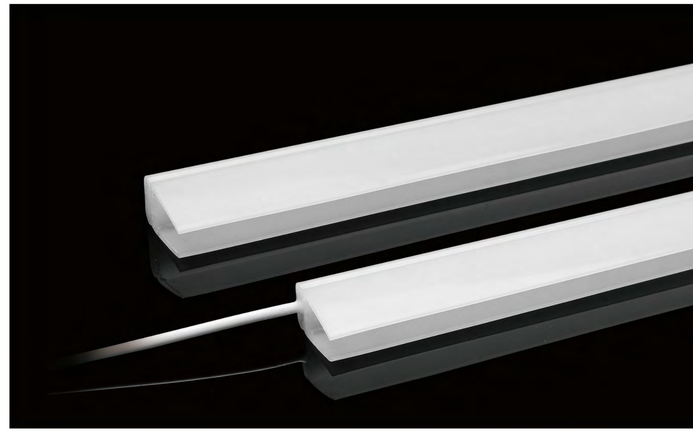



| Model | SIZE(L) (mm) | Voltage | Wattage (w) | LED | Luminous Flux (LM) |
|---|---|---|---|---|---|
| T8WP01-A22.5-630 | 630 | AC90-265 | 8±10% | 40SMD2835 | 800±10% |
| T8WP01-A22.5-930 | 930 | | 12±10% | 60SMD2835 | 1200±10% |
| T8WP01-A22.5-1230 | 1230 | | 16±10% | 80SMD2835 | 1600±10% |
| T8WP01-A45-630 | 630 | | 10±10% | 50SMD2835 | 1000±10% |
| T8WP01-A45-930 | 930 | | 15±10% | 75SMD2835 | 1500±10% |
| T8WP01-A45-1230 | 1230 | | 20±10% | 100SMD2835 | 2000±10% |

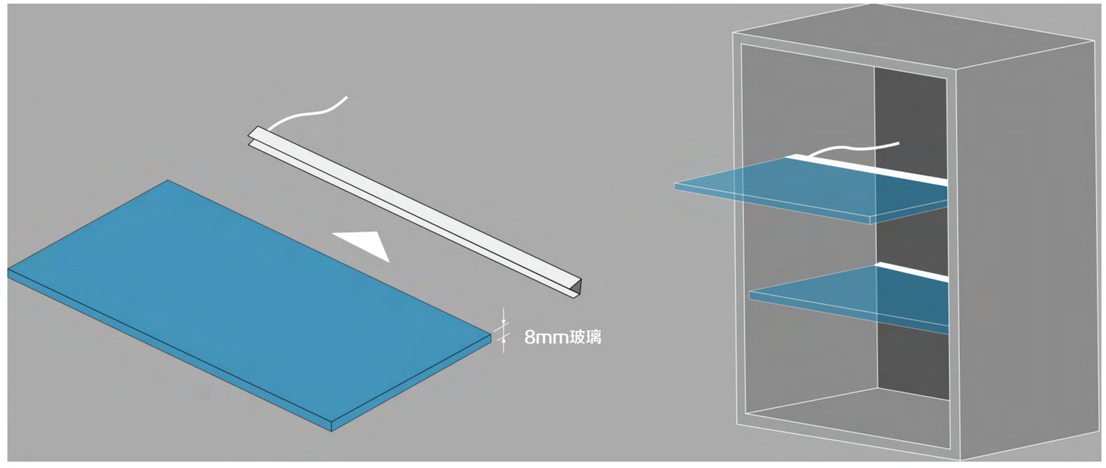
| Model | SIZE(L) (mm) | Voltage | Wattage (w) | LED | Luminous Flux (LM) | PF |
|---|---|---|---|---|---|---|
| MT802/MT803-600 | 600 | AC90-260V | 10±10% | 50SMD2835 | 1000±10% | 0.9 |
| MT802/MT803-900 | 900 | | 15±10% | 75SMD2835 | 1500±10% | |
| MT802/MT803-1200 | 1200 | | 20±10% | 100SMD2835 | 2000±10% | |
| MT802/MT803-1500 | 1500 | | 24±10% | 120SMD2835 | 2400±10% | |

For Freezer / Cooler



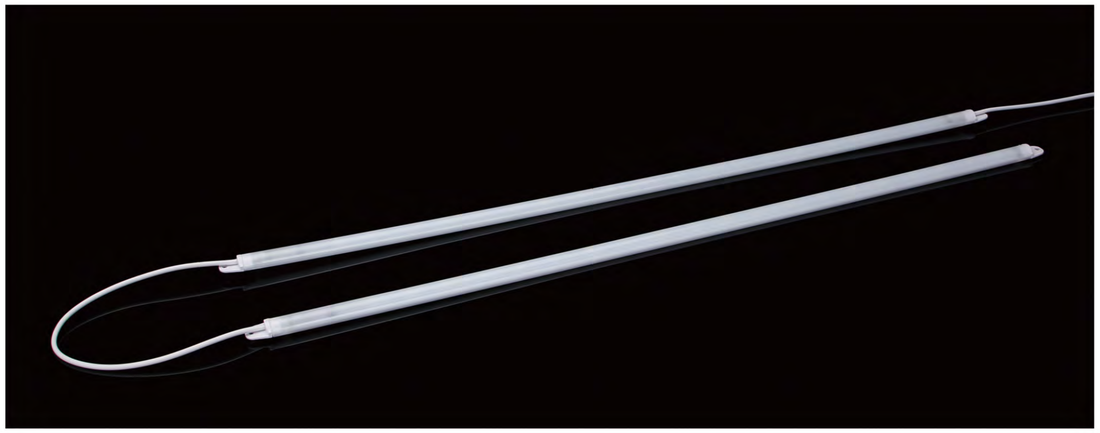



| Model | SIZE(L) (mm) | Voltage | Wattage (w) | LED | Luminous Flux (LM) |
|---|---|---|---|---|---|
| SCL8002-600 | 600 | DC12V | 3.6±10% | 18SMD3014 | 180±10% |
| | | | | 18SMD5050 | RGB |
| SCL8002-1200 | 1200 | | | 36SMD3014 | 360±10% |
| | | | 7.2±10% | 36SMD5050 | RGB |

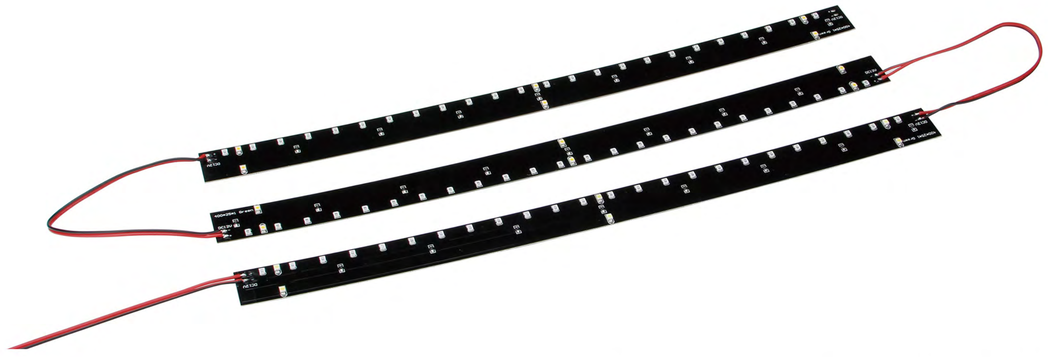


边缘带 LED 灯
LED chips at edge

## For Showcase / Freezer

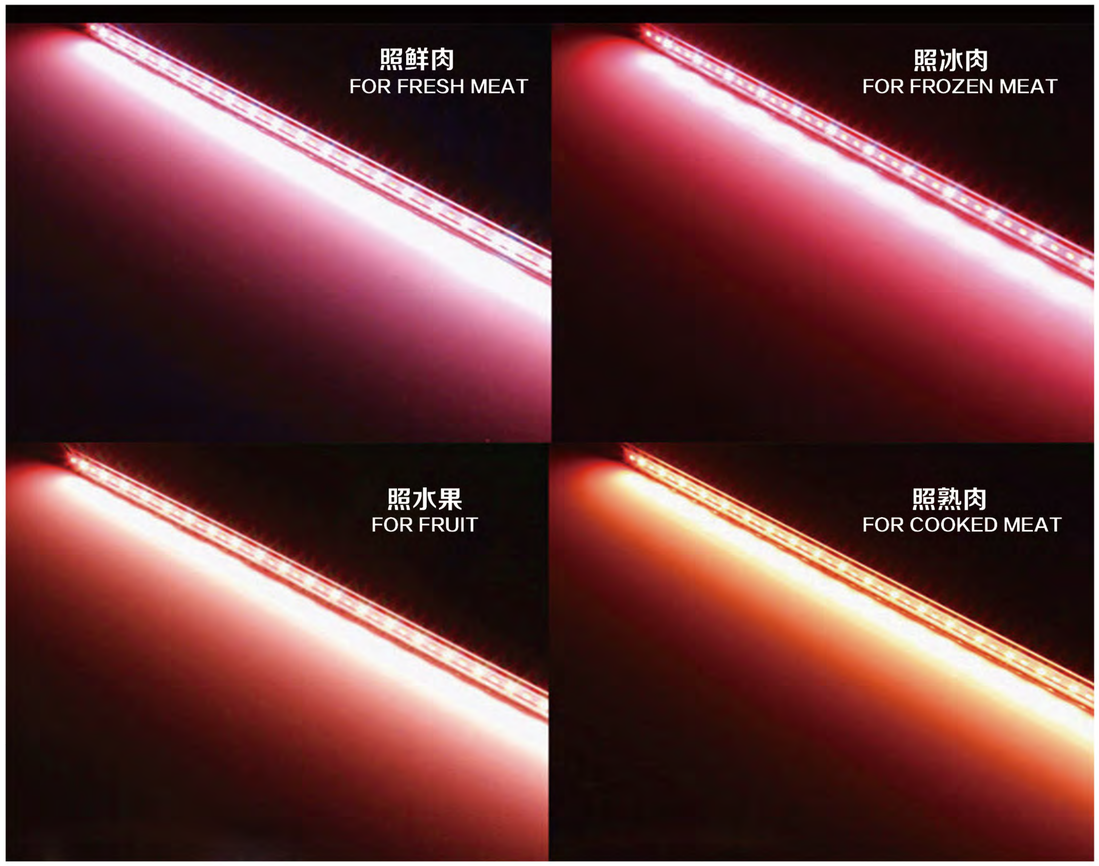


| Model | SIZE(L) (mm) | Voltage | Wattage (w) | LED | Luminous Flux (LM) |
|---|---|---|---|---|---|
| SCL6003AC-428X2 | 428X2 | AC220V | 3X2±10% | 15X2SMD2835 | 300X2±10% |
| SCL6003AC-528X2 | 528X2 | | 4X2±10% | 20X2SMD2835 | 400X2±10% |



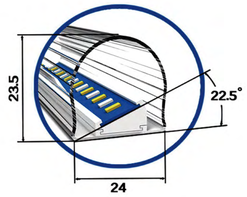
| Model | SIZE(L) (mm) | Voltage | Wattage (w) | LED | Luminous Flux (LM) |
|---|---|---|---|---|---|
| Green | 400X25 | DC12V | 4.8±10% | 24SMD2835 | 350±10% |
| Blue | 400X25 | | 4.8±10% | 24SMD2835 | 200±10% |
| R.G.B | 400X25 | | 4.8±10% | 24SMD5050 | 200±10% |

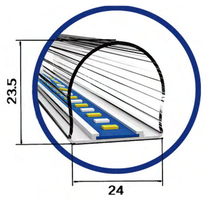
# 常见四种防水生鲜灯
# WATER-PROOF LED FOOD REFRESHING LIGHT

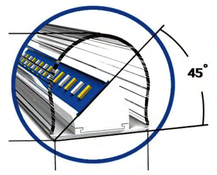



照明前 BEFORE LIGHTING

照明后 AFTER LIGHTING



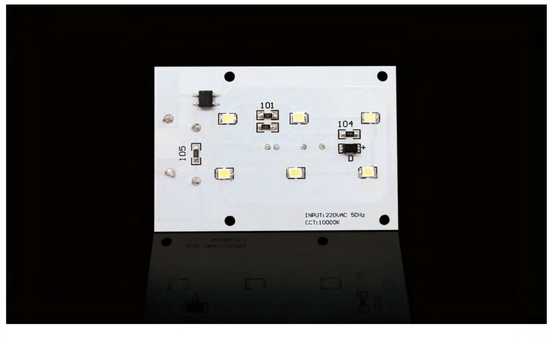



| Model | SIZE(L) (mm) | Voltage | Wattage (w) | LED | Luminous Flux (LM) |
|---|---|---|---|---|---|
| T8WP01-630 | 630 | AC90-265 | 10±10% | 50SMD2835 | 1000±10% |
| T8WP01-930 | 930 | | 15±10% | 75SMD2835 | 1500±10% |
| T8WP01-1230 | 1230 | | 20±10% | 100SMD2835 | 2000±10% |

| Model | SIZE(L) (mm) | Voltage | Wattage (w) | LED | Luminous Flux (LM) |
|---|---|---|---|---|---|
| T8WP02-610 | 610 | AC90-265 | 10±10% | 50SMD2835 | 1000±10% |
| T8WP02-910 | 910 | | 15±10% | 75SMD2835 | 1500±10% |
| T8WP02-1210 | 1210 | | 20±10% | 100SMD2835 | 2000±10% |

| Model | LED QTY | SIZE(L) (mm) | Voltage | Power | Lumen |
|---|---|---|---|---|---|
| B22-1.2W | 6SMD2835 | Φ22X64 | AC110/230V | 1.2W | 120Lm |

| Model | LED QTY | SIZE(L) (mm) | Voltage | Power | Lumen |
|---|---|---|---|---|---|
| BOX01 | 6PCS | Φ140 | AC110/230V | 0.4W | 40Lm |




| Model | LED QTY | SIZE(L) (mm) | Voltage | Power | Lumen |
|---|---|---|---|---|---|
| B22-1.2W | 6SMD2835 | 68X46 | AC110/230V | 1.2W | 120Lm |

# CONTACT US

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