



# APPLIED ELECTRONICS ENTERPRISES CORPORATION

TEL: (02) 2545881 / 6224308 FAX: (02) 2545881 MOBILE: (0917) 8878378 / (0922) 8878374

STALL NO. 2M-15 168 MALL STA. ELENA ST., BINONDO, MANILA

URL: [WWW.LED.PH](http://WWW.LED.PH)

EMAIL: [APPLED888@YAHOO.COM.PH](mailto:APPLED888@YAHOO.COM.PH)

## 3528 LED Soft Strip

### Parameter:

- **Type:** APP-SJ3528
- **Light source:** 3528 SMD LED
- **LED Qty:** 30/60/96/120PCS/M
- **Work voltage:** 12V
- **LED Work Current:** 190-210mA
- **Power factor(PF):** >0.9
- **No UV or IR light radiation**
- **View angle:** 120°
- **Color instruction:** >80
- **Color:** White, Warm white, Red, Green, Blue, Yellow, Pink
- **Life time:** >50,000 hrs
- **Operating Temperature:** -20°C~+45°C
- **Storage Temperature:** -40°C~+80°C
- **Luminance decrease:** keep lighting 1000hours decrease1%
- **IP grade:** IP65(Epoxy), IP67(bolster, Fact)
- **CE certification**
- **Min.bend angle:** 4°
- **Max. pull:** 1.5kg
- **Width:** 8mm
- **Package:** 5meters /Roll



### Typical Applications:

- **Path& contour marking**
- **Legend backlighting**
- **Illuminated signs**
- **Mood and special light**

Color	Luminous Intensity	wavelength	Forward Voltage	Test Condition
<span style="color: red;">■</span> RED	200(mcd)	620-625(λ)	2.0-2.2V	If= 20mA
<span style="color: yellow;">■</span> YELLOW	120(mcd)	585-590(λ)	2.0-2.2V	
<span style="color: blue;">■</span> BLUE	380(mcd)	467-470(λ)	3.0-3.2V	
<span style="color: green;">■</span> GREEN	650(mcd)	525-530(λ)	3.0-3.2V	
<span style="color: magenta;">■</span> PINK	250(mcd)	-	3.0-3.2V	
WHITE	750(mcd)	3000-6500K	3.0-3.2V	



# APPLED ELECTRONICS ENTERPRISES CORPORATION

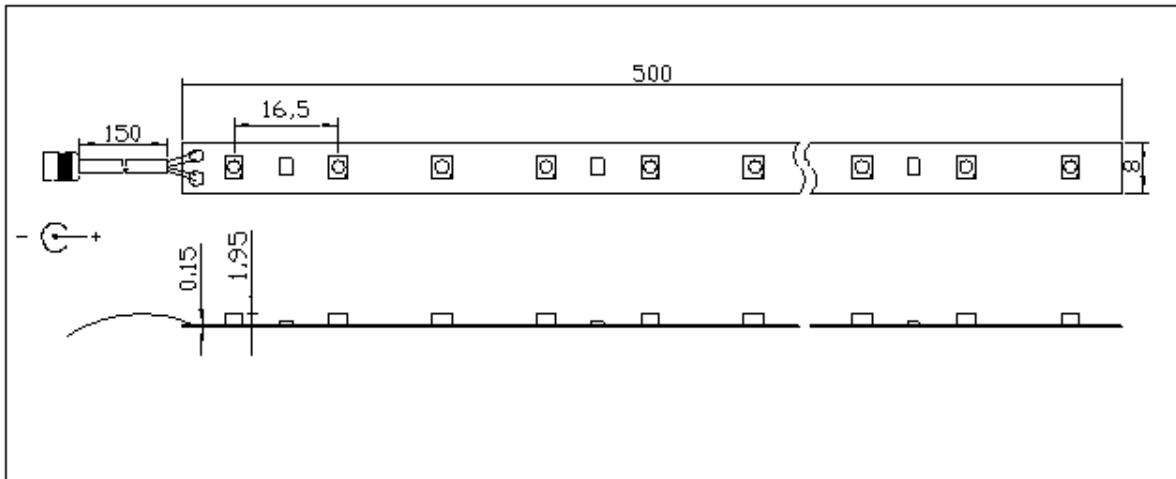
TEL: (02) 2545881 / 6224308 FAX: (02) 2545881 MOBILE: (0917) 8878378 / (0922) 8878374

STALL NO. 2M-15 168 MALL STA. ELENA ST., BINONDO, MANILA

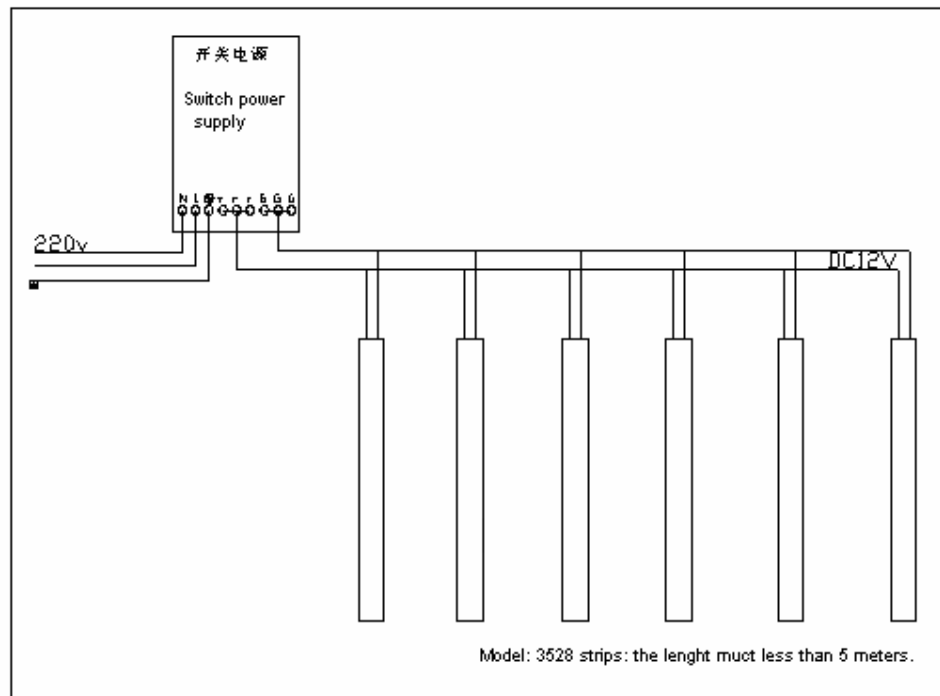
URL: [WWW.LED.PH](http://WWW.LED.PH)

EMAIL: [APPLED888@YAHOO.COM.PH](mailto:APPLED888@YAHOO.COM.PH)

## Product Dimensions:



## Wiring Diagram





## APPLIED ELECTRONICS ENTERPRISES CORPORATION

TEL: (02) 2545881 / 6224308 FAX: (02) 2545881 MOBILE: (0917) 8878378 / (0922) 8878374

STALL NO. 2M-15 168 MALL STA. ELENA ST., BINONDO, MANILA

URL: [WWW.LED.PH](http://WWW.LED.PH)

EMAIL: [APPLED888@YAHOO.COM.PH](mailto:APPLED888@YAHOO.COM.PH)

---

### The Way to Calculate the Switch Power Supply:

Eg:

If the Length is 30 meter:  $L=30m$ , It is 4.8W per meter:  $W1=4.8w$ , the Total Power for switch power supply is  $P$ , then--

$$\begin{aligned} P &= L * W1 * 0.85 \\ &= 30 * 4.8 * 0.85 \\ &= 122.4W \end{aligned}$$

We can follow this way to know the power of the switch power supply.

### Instruction for use and notes:

- Connect the wires according to the drawing.
- Some damage will occur when product expose to Static. User need to protect product by using static loop or glove against static.
- Please confirm the working voltage is DC12V before electrified.
- To avoid products used in humid environments.
- In the process of connecting, products can only take up to 5M. It needs to be connected to another circuit to the switch power supply if the length exceeds 5M.
- Every 3 pcs of LEDs can cut for individual use. Please base on the PCB silk-screen when cut the LED strips.
- On the back side, there is double sticky tape, when fix the tape, just need take off the protected paper, then stick to the position, which you want.



# APPLIED ELECTRONICS ENTERPRISES CORPORATION

TEL: (02) 2545881 / 6224308 FAX: (02) 2545881 MOBILE: (0917) 8878378 / (0922) 8878374

STALL NO. 2M-15 168 MALL STA. ELENA ST., BINONDO, MANILA

URL: [WWW.LED.PH](http://WWW.LED.PH)

EMAIL: [APPLED888@YAHOO.COM.PH](mailto:APPLED888@YAHOO.COM.PH)

## 5050 LED Soft Strip

### Parameter:

- **Type:** APP-SJ5050
- **Light source:** 5050 SMD LED
- **LED Qty:** 30/60PCS/M
- **Work voltage:** 12/24V
- **LED Work Current:** 306-342mA
- **Power factor(PF):** >0.9
- **No UV or IR light radiation**
- **View angle:** 120°
- **Color instruction:** >80
- **Color:** White, Warm white, Red, Green, Blue, Yellow, Pink
- **Life time:** >50,000 hrs
- **Operating Temperature:** -20°C~+45°C
- **Storage Temperature:** -40°C~+80°C
- **Luminance decrease:** keep lighting 1000hours decrease1%
- **IP grade:** IP65(Epoxy), IP67(bolster, Fact)
- **CE certification**
- **Min.bend angle:** 4°
- **Max. pull:** 1.5kg
- **Width:** 10mm
- **Package:** 5meters /Roll



### Typical Applications:

- **Path& contour marking**
- **Legend backlighting**
- **Illuminated signs**
- **Mood and special light**

Color	Luminous Intensity	wavelength	Forward Voltage	Test Condition
■ RED	300(mcd)	620-625(λ)	2.0-2.2V	If= 20mA
■ YELLOW	250(mcd)	585-590(λ)	2.0-2.2V	
■ BLUE	500(mcd)	467-470(λ)	3.0-3.2V	
■ GREEN	900(mcd)	525-530(λ)	3.0-3.2V	
■ PINK	500(mcd)	-	3.0-3.2V	
■ WHITE	1000(mcd)	3000-6500K	3.0-3.2V	



# APPLIED ELECTRONICS ENTERPRISES CORPORATION

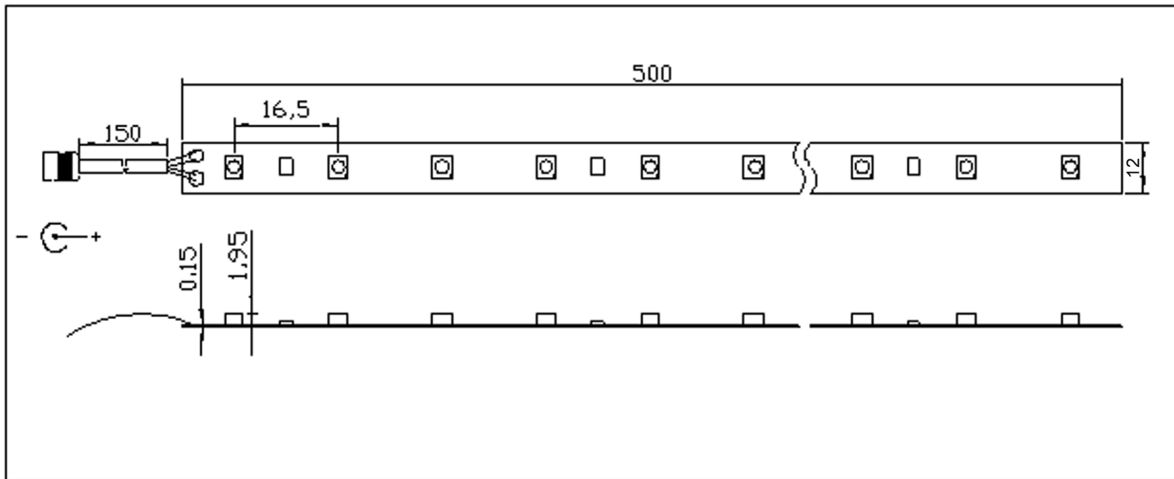
TEL: (02) 2545881 / 6224308 FAX: (02) 2545881 MOBILE: (0917) 8878378 / (0922) 8878374

STALL NO. 2M-15 168 MALL STA. ELENA ST., BINONDO, MANILA

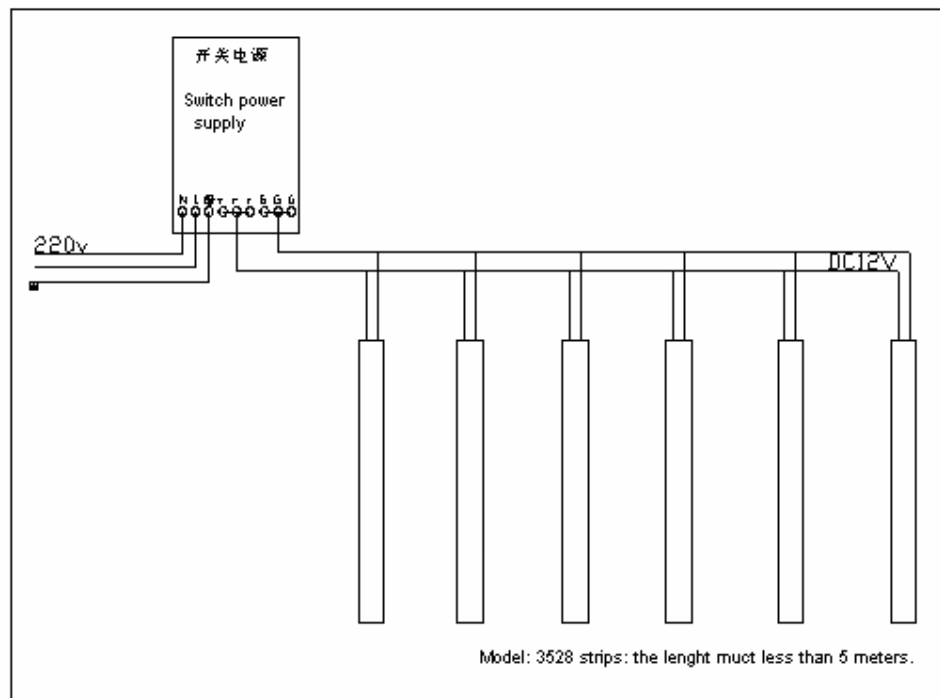
URL: [WWW.LED.PH](http://WWW.LED.PH)

EMAIL: [APPLED888@YAHOO.COM.PH](mailto:APPLED888@YAHOO.COM.PH)

## Product Dimensions:



## Wiring Diagram





## APPLIED ELECTRONICS ENTERPRISES CORPORATION

TEL: (02) 2545881 / 6224308 FAX: (02) 2545881 MOBILE: (0917) 8878378 / (0922) 8878374

STALL NO. 2M-15 168 MALL STA. ELENA ST., BINONDO, MANILA

URL: [WWW.LED.PH](http://WWW.LED.PH)

EMAIL: [APPLED888@YAHOO.COM.PH](mailto:APPLED888@YAHOO.COM.PH)

---

### The Way to Calculate the Switch Power Supply:

Eg:

If the Length is 30 meter:  $L=30m$ , It is 7.2W per meter:  $W1=7.2w$ , the Total Power for switch power supply is P, then--

$$\begin{aligned} P &= L * W1 * 0.85 \\ &= 30 * 7.2 * 0.85 \\ &= 183.6W \end{aligned}$$

We can follow this way to know the power of the switch power supply.

### Instruction for use and notes:

- Connect the wires according to the drawing.
- Some damage will occur when product expose to Static. User need to protect product by using static loop or glove against static.
- Please confirm the working voltage is DC12V before electrified.
- To avoid products used in humid environments.
- In the process of connecting, products can only take up to 5M. It needs to be connected to another circuit to the switch power supply if the length exceeds 5M.
- Every 3 pcs of LEDs can cut for individual use. Please base on the PCB silk-screen when cut the LED strips.
- On the back side, there is double sticky tape, when fix the tape, just need take off the protected paper, then stick to the position, which you want.



# APPLIED ELECTRONICS ENTERPRISES CORPORATION

TEL: (02) 2545881 / 6224308 FAX: (02) 2545881 MOBILE: (0917) 8878378 / (0922) 8878374

STALL NO. 2M-15 168 MALL STA. ELENA ST., BINONDO, MANILA

URL: [WWW.LED.PH](http://WWW.LED.PH)

EMAIL: [APPLED888@YAHOO.COM.PH](mailto:APPLED888@YAHOO.COM.PH)

## 5050 LED Soft Strip

### Parameter:

- **Type:** APP-SJ5050-RGB
- **Light source:** RGB 5050 SMD LED
- **LED Qty:** 30/60PCS/M
- **Work voltage:** 12/24V
- **LED Work Current:** 306-342mA
- **Power factor(PF):** >0.9
- **No UV or IR light radiation**
- **View angle:** 120°
- **Color instruction:** >80
- **Color:** RGB
- **Life time:** >50,000 hrs
- **Operating Temperature:** -20°C~+45°C
- **Storage Temperature:** -40°C~+80°C
- **Luminance decrease:** keep lighting 1000hours decrease1%
- **IP grade:** IP65(Epoxy), IP67(bolster, Fact)
- **CE certification**
- **Min.bend angle:** 4°
- **Max. pull:** 1.5kg
- **Width:** 10mm
- **Package:** 5meters /Roll



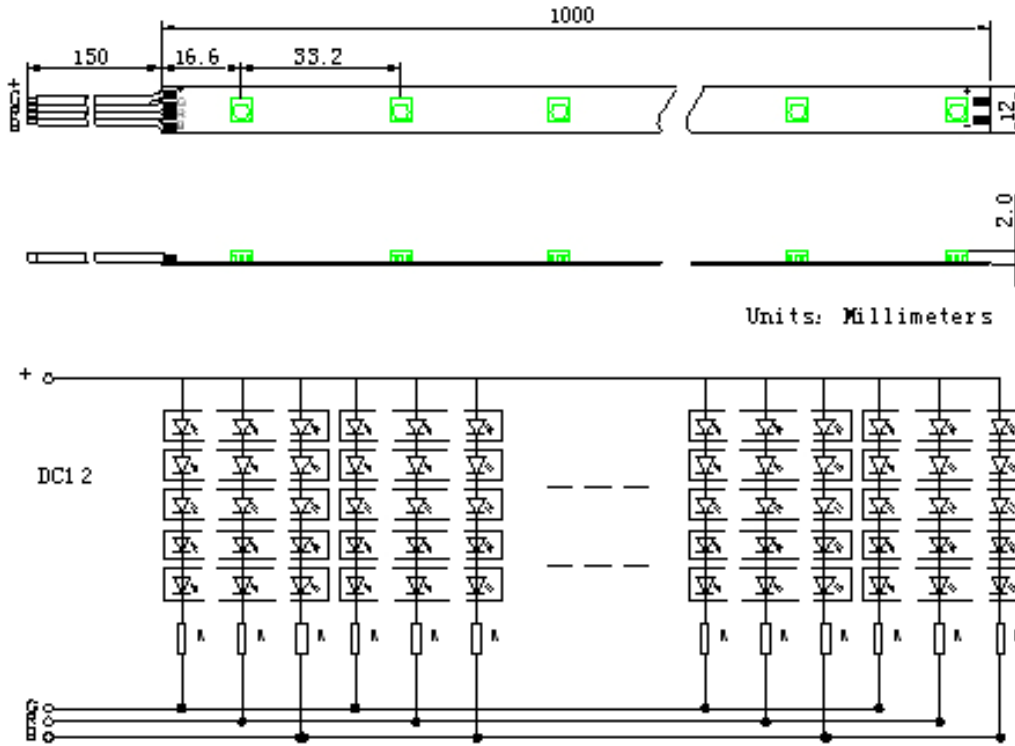
### Typical Applications:

- Path& contour marking
- Legend backlighting
- Illuminated signs
- Mood and special light

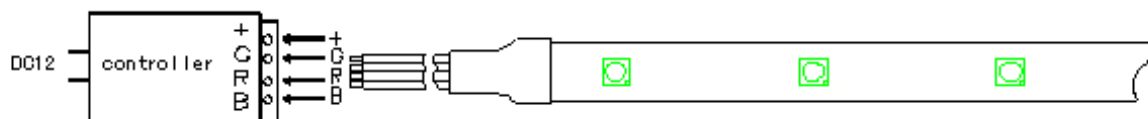
Color	Luminous Intensity	wavelength	Forward Voltage	Test Condition
■ RED	300(mcd)	620-625(λ)	2.0-2.2V	If= 20mA
■ BLUE	500(mcd)	467-470(λ)	3.0-3.2V	
■ GREEN	900(mcd)	525-530(λ)	3.0-3.2V	
WHITE	1000(mcd)	3000-6500K	3.0-3.2V	



## Dimensions and Schematic Diagram:



## Wiring Diagram







## APPLIED ELECTRONICS ENTERPRISES CORPORATION

TEL: (02) 2545881 / 6224308 FAX: (02) 2545881 MOBILE: (0917) 8878378 / (0922) 8878374

STALL NO. 2M-15 168 MALL STA. ELENA ST., BINONDO, MANILA

URL: [WWW.LED.PH](http://WWW.LED.PH)

EMAIL: [APPLED888@YAHOO.COM.PH](mailto:APPLED888@YAHOO.COM.PH)

---

### The Way to Calculate the Switch Power Supply:

Eg:

If the Length is 30 meter:  $L=30m$ , It is 7.2W per meter:  $W1=7.2w$ , the Total Power for switch power supply is P, then--

$$\begin{aligned} P &= L * W1 * 0.85 \\ &= 30 * 7.2 * 0.85 \\ &= 183.6W \end{aligned}$$

We can follow this way to know the power of the switch power supply.

### Instruction for use and notes:

- Connect the wires according to the drawing.
- Some damage will occur when product expose to Static. User need to protect product by using static loop or glove against static.
- Please confirm the working voltage is DC24V before electrified.
- To avoid products used in humid environments.
- In the process of connecting, products can only take up to 5M. It needs to be connected to another circuit to the switch power supply if the length exceeds 5M.
- Every 3 pcs of LEDs can cut for individual use. Please base on the PCB silk-screen when cut the LED strips.
- On the back side, there is double sticky tape, when fix the tape, just need take off the protected paper, then stick to the position, which you want.