



VOLTAMPERE

# VOLTAMPERE



**PRODUCT CATALOGUE 2020**

[www.voltampere-eu.com](http://www.voltampere-eu.com)



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## ABOUT US

### More about VOLTAMPERE LIGHTING

A Greece-based professional smart solution

Provider of digital lighting technology, which provides High-quality luminaires that can be expanded with Additional sensor parts, making them a source and data generating location with available connectivity whenever and wherever the customer needs.

Since our inception, we have offered state-of-the-art LED luminaires, implemented exceptional LED projects, been recognized and widely accepted by major consultants

& developers. We actively advance the technology

in order to create more energy-efficient and higher quality products for our customers.

### VOLTAMPERE LIGHTING FOCUS ON:

- General Lighting and Luminaires

- Projects and Lighting Solutions

- High Customization Level

#### SPECIAL REQUEST FACTORY

Our special request factory provides us with unrivalled flexibility, which allows us to make very small and precise parts with ease and at speed.

### LED PRODUCTION

All of our LED chips are soldered using the selective wave method, and all components and final products are thoroughly tested using precision equipment in line with stringent technical standards.

### Residential

VOLTAMPERE LIGHTING residential luminaire selection is extremely wide and designed to cover all professional needs in general lighting at home as well as in public premises.

### Public premises

Efficient and functional lighting enhances productivity and improves performance where ever we work. VOLTAMPERE LIGHTING public premises luminaires can be designed and installed to make the best possible lighting for each situation.

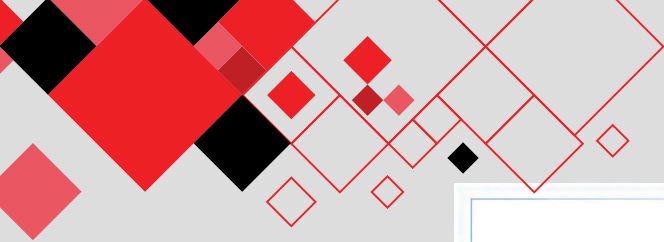
### Industrial

VOLTAMPERE LIGHTING solves industrial lighting needs. Paper mill or parking hall; our efficient, wide and light technically superior portfolio suits almost everywhere.


### Outdoor

VOLTAMPERE LIGHTING outdoor luminaire selection is energy efficient, long lasting and economically sustainable. We know how to light parks, squares as well as yards and parking areas.

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**C E R T I F I C A T E**  
of Conformity  
Low Voltage Directive 2014/35/EU



Registration No.: AN 50433471 0001  
Report No.: 50168133 001

**Holder:** Greece Voltampere Technology Co., Ltd.  
2Nd KL Lagadas-Redine  
GR.572 00 Thessaloniti,  
Greece, Europe


**Product:** Recessed Luminaire  
(LED Recessed light)

**Identification:**

DD0035A	DD0035X	DD0045X	DD0055W	DD0055L	DD0055X
DD0075C	DD0075X	DD0085X	DD0095X	DD0105X	DD0115X
DD0125X	DD0135X	DD0145X	DD0155X	DD0165X	DD0175X


Serial No.: n.a.  
Remark: Refer to test report 50168133 001 for a details.

This certificate of conformity is based on an evaluation of a sample of the above mentioned product. Technical Report and documentation are at the License Holder's disposal. This is to certify that the tested sample is in conformity with Annex I of Council Directive 2014/35/EU, referred to as the Low Voltage Directive. This certificate does not imply assessment of the series-production of the product and does not permit the use of a TÜV Rheinland mark of conformity. The holder of the certificate is authorized to use this certificate in connection with the EC declaration of conformity according to Annex IV of the Directive.


  
*Eileen Feng*  
Eileen Feng

Date: 29.05.2020

TÜV Rheinland LGA Products GmbH - Tillystraße 2 - 90431 Nürnberg

 The CE marking may be used if all relevant and effective EC Directives are complied with. 

**TÜV Rheinland (China) Ltd.**  
Member of TÜV Rheinland Group

 **TÜVRheinland®**  
Precisely Right.

Greece Voltampere Technology Co., Ltd.      Date : 29.05.2020  
2Nd KL Lagadas-Redine                      Our ref. : ILD 05  
GR.572 00 Thessaloniti,                      Your ref. :  
Greece, Europe

Ref : AN Certificate of Conf. Low Voltage D.

Type of Equipment : LED Recessed light  
Model Designation : See Certificate  
Certificate No. : AN 50433471 0001  
Report No. : 50168133 001

Dear Nicole Liang,

We herewith confirm that a sample of the above mentioned technical equipment has been tested and was found to be in accordance with the relevant requirements.

Enclosed please find your Certificate of Conformity.

We appreciate your kind support and would like to offer our assistance and continuous services in the future.

With kind regards,  
Certification Body  
*Eileen Feng*  
Eileen Feng

Enclosure







## INDOOR LIGHT



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02-Down Lights  
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03-Track Lights  
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Greece



04-Magnetic System  
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05-Pendant Light  
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168 ~ 175Page



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## OUTDOOR LIGHT



01-Cilling Surface Mounted  
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02-Wall Lighting  
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03-UnderGround light  
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04-Bollard Light  
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# STRIP LIGHT









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# VA5050SMD 60LEDs LED STRIP

- ▶ 5050 LED with broader luminous surface
- ▶ Self-encapsulated design offers optional 1800-10000K
- ▶ White lights and R/G/B/Y and others colorful lights for option
- ▶ High quality PCB, high thermal 3M adhesive
- ▶ Provide 1BIN delivery

2100K 2400K 2700K 3000K 4000K 6000K

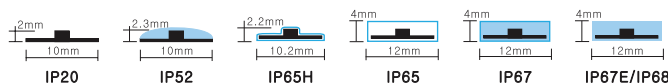
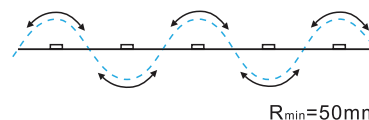
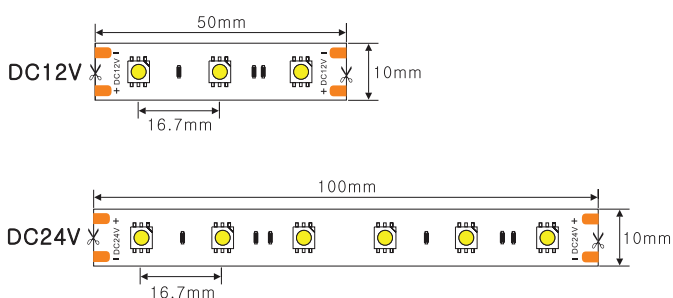
R G B Y

CR1 >90

One Bin Dimmable 120° Beam angle Cuttable 5m/Reel 50000 hours Lifetime Compliant 5 YEARS



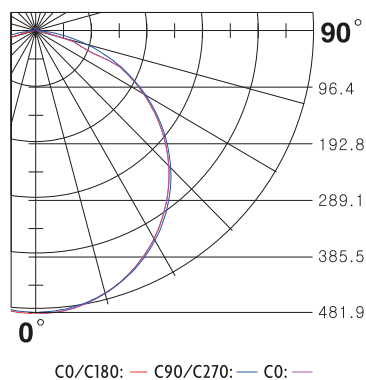
## DIMENSIONS & WATERPROOF



## PRODUCT SPECIFICATION

Dimension	5000mmx10mmx2mm
Chip density	60LED, 16.7mm LED pitch
Step LEDs	6LED(24V)/3LED(12V)
Step length	100mm(24V)/50mm(12V)
Power(W)	14.4Watt/meter
Efficacy	74.13lumen/Watt
Voltage(V)	DC24V/DC12V
Current(A/m)	0.6A(24V)/1.2A(12V)
Ambient temperature	-20°C~+50°C

## POLAR CURVE (The data base on IP20 6000K)



## PRODUCT PHOTOMETRICS (The data base on IP20 24V)

Part Number	CCT (K)	Lumen (lm/m)	Efficacy (lm/w)	CRI	R9	Rf (Fidelity)	Rg (Gamut)
▶ LY60-S5050W21-W24	2100±100	742.75	51.58	90.2	78.54	90.04	99.7
▶ LY60-S5050W24-W24	2400±100	817.49	56.77	91.51	79.04	90.11	99.9
▶ LY60-S5050W27-W24	2700±100	866.30	60.16	93.17	82.05	91.35	100.8
▶ LY60-S5050W30-W24	3000±100	926.64	64.35	93.80	79.82	90.26	101.5
▶ LY60-S5050W40-W24	4000±200	1012.60	70.32	96.75	89.36	92.16	103.8
▶ LY60-S5050W60-W24	6000±300	1067.47	74.13	91.28	79.63	90.13	99.91

Note: Customized CCT can be realized according to specific requirements.

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# VOLTAMPERE



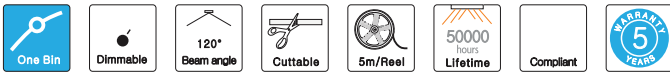


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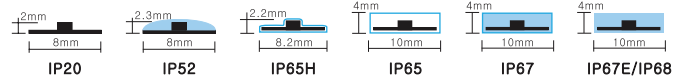
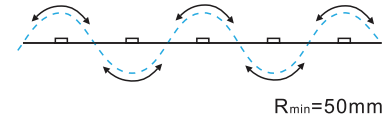
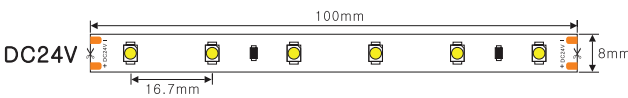
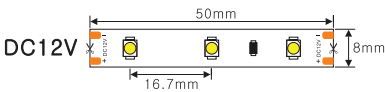


## VA3528SMD 60LEDs LED STRIP

- ▶ 3528 LED with broader luminous surface
- ▶ Self-encapsulated design offers optional 1800-10000K
- ▶ White lights and R/G/B/Y and others colorful lights for option
- ▶ High quality PCB, high thermal 3M adhesive
- ▶ Provide 1BIN delivery



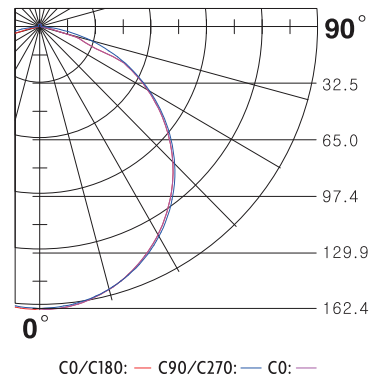
## DIMENSIONS & WATERPROOF



## PRODUCT SPECIFICATION

Dimension	5000mmx8mmx2mm
Chip density	60LED, 16.7mm LED pitch
Step LEDs	6LED(24V)/3LED(12V)
Step length	100mm(24V)/50mm(12V)
Power(W)	4.8Watt/meter
Efficacy	64.33lumen/Watt
Voltage(V)	DC24V/DC12V
Current(A/m)	0.2A(24V)/0.4A(12V)
Ambient temperature	-20°C~+50°C

## POLAR CURVE (The data base on IP20 6000K)



## PRODUCT PHOTOMETRICS (The data base on IP20 24V)

Part Number	CCT (K)	Lumen (lm/m)	Efficacy (lm/w)	CRI	R9	Rf (Fidelity)	Rg (Gamut)
▶ LY60-S3528W21-W24	2100±100	250.94	52.28	91.28	82.33	89.54	100.3
▶ LY60-S3528W24-W24	2400±100	268.65	55.97	91.56	81.04	89.91	100.9
▶ LY60-S3528W27-W24	2700±100	277.72	57.86	94.37	82.05	91.38	101.7
▶ LY60-S3528W30-W24	3000±100	288.24	60.05	93.22	85.81	90.76	101.3
▶ LY60-S3528W40-W24	4000±200	299.32	62.36	95.89	90.36	93.66	102.8
▶ LY60-S3528W60-W24	6000±300	308.78	64.33	92.33	83.63	90.18	100.9

Note: Customized CCT can be realized according to specific requirements.





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# VA3528SMD 120LEDs LED STRIP

- ▶ 3528 LED with broader luminous surface
- ▶ Self-encapsulated design offers optional 1800-10000K
- ▶ White lights and R/G/B/Y and others colorful lights for option
- ▶ High quality PCB, high thermal 3M adhesive
- ▶ Provide 1BIN delivery

2100K 2400K 2700K 3000K 4000K 6000K

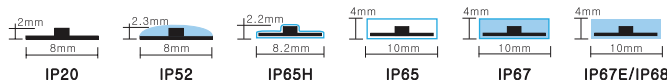
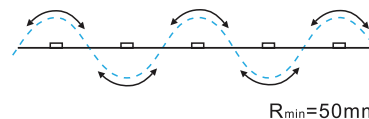
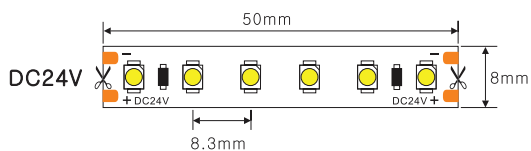
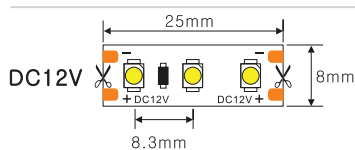
R G B Y

CRI >90

One Bin Dimmable 120° Beam angle Cuttable 5m/Reel 50000 hours Lifetime Compliant 5 YEAR



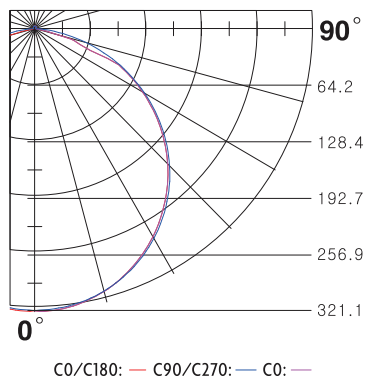
## DIMENSIONS & WATERPROOF



## PRODUCT SPECIFICATION

Dimension	5000mmx8mmx2mm
Chip density	120LED,8.3mm LED pitch
Step LEDs	6LED(24V)/3LED(12V)
Step length	50mm(24V)/25mm(12V)
Power(W)	9.6Watt/meter
Efficacy	67.59lumen/Watt
Voltage(V)	DC24V/DC12V
Current(A/m)	0.4A(24V)/0.8A(12V)
Ambient temperature	-20°C~+50°C

## POLAR CURVE (The data base on IP20 6000K)



## PRODUCT PHOTOMETRICS (The data base on IP20 24V)

Part Number	CCT (K)	Lumen (lm/m)	Efficacy (lm/w)	CRI	R9	Rf (Fidelity)	Rg (Gamut)
▶ LY120-S3528W21-W24	2100±100	578.68	60.28	91.58	80.18	89.79	100.1
▶ LY120-S3528W24-W24	2400±100	590.68	61.53	92.26	81.74	90.28	101.3
▶ LY120-S3528W27-W24	2700±100	610.46	63.59	92.98	82.75	92.18	100.5
▶ LY120-S3528W30-W24	3000±100	626.20	65.23	93.69	83.26	92.73	101.5
▶ LY120-S3528W40-W24	4000±200	637.05	66.36	94.37	83.86	93.86	102.7
▶ LY120-S3528W60-W24	6000±300	648.86	67.59	91.44	81.61	91.33	100.9

Note: Customized CCT can be realized according to specific requirements.



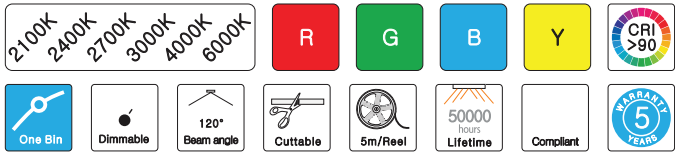




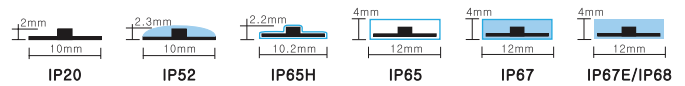
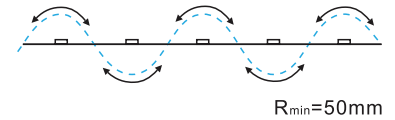
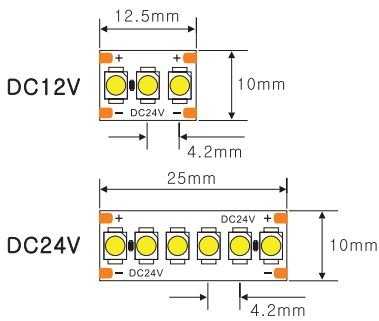
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## VA3528SMD 240LEDs LED STRIP

- ▶ 3528 LED with broader luminous surface
- ▶ Self-encapsulated design offers optional 1800-10000K
- ▶ White lights and R/G/B/Y and others colorful lights for option
- ▶ High quality PCB, high thermal 3M adhesive
- ▶ Provide 1BIN delivery



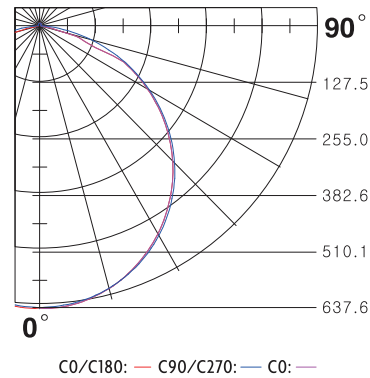
## DIMENSIONS & WATERPROOF



## PRODUCT SPECIFICATION

Dimension	5000mmx10mmx2mm
Chip density	240LED, 4.2mm LED pitch
Step LEDs	6LED(24V)/3LED(12V)
Step length	25mm(24V)/12.5mm(12V)
Power(W)	19.2Watt/meter
Efficacy	63.58lumen/Watt
Voltage(V)	DC24V/DC12V
Current(A/m)	0.8A(24V)/1.6A(12V)
Ambient temperature	-20°C~+50°C

## POLAR CURVE (The data base on IP20 6000K)



## PRODUCT PHOTOMETRICS (The data base on IP20 24V)

Part Number	CCT (K)	Lumen (lm/m)	Efficacy (lm/w)	CRI	R9	Rf (Fidelity)	Rg (Gamut)
▶ LY240-SS3528W21-W24	2100±100	1127.61	58.73	90.03	79.37	89.29	99.3
▶ LY240-SS3528W24-W24	2400±100	1134.72	59.10	91.22	81.22	91.38	99.3
▶ LY240-SS3528W27-W24	2700±100	1158.72	60.35	93.28	82.19	90.38	100.6
▶ LY240-SS3528W30-W24	3000±100	1191.55	62.06	93.69	82.70	92.13	100.1
▶ LY240-SS3528W40-W24	4000±200	1200.19	62.51	94.32	83.36	93.25	102.4
▶ LY240-SS3528W60-W24	6000±300	1220.73	63.58	91.41	80.61	90.73	100.1

Note: Customized CCT can be realized according to specific requirements.

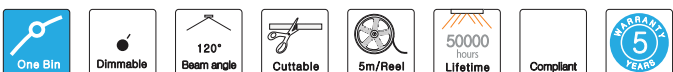




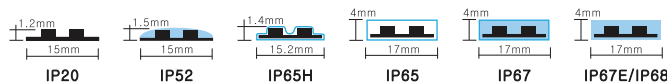
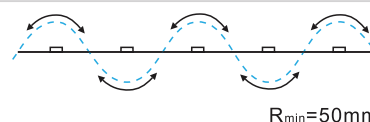
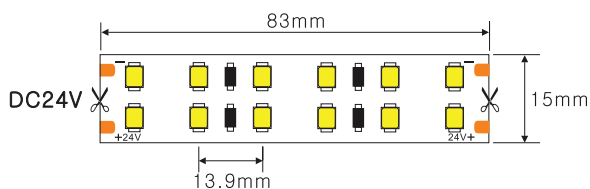
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# VA2835SMD 144LEDs LED STRIP

- ▶ 2835 LED with broader luminous surface
- ▶ Self-encapsulated design offers optional 2100-10000K
- ▶ White lights and R/G/B/Y and others colorful lights for option
- ▶ High quality PCB, high thermal 3M adhesive
- ▶ Provide 1BIN delivery



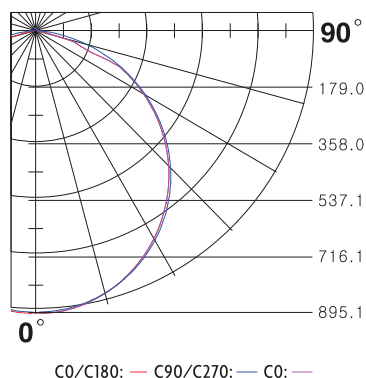
## DIMENSIONS & WATERPROOF



## PRODUCT SPECIFICATION

Dimension	5000mmx15mmx1.2mm
Chip density	144LED, 13.9mm LED pitch
Step LEDs	12LED
Step length	83mm
Power(W)	28.8Watt/meter
Efficacy	94.5lumen/Watt
Voltage(V)	DC24V
Current(A/m)	1.2A
Ambient temperature	-20°C~+50°C

## POLAR CURVE (The data base on IP20 6000K)



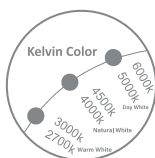
## PRODUCT PHOTOMETRICS (The data base on IP20 24V)

Part Number	CCT (K)	Lumen (lm/m)	Efficacy (lm/w)	CRI	R9	Rf (Fidelity)	Rg (Gamut)
▶ LY144-DS2835W21-W24	2100±100	2027.52	70.40	91.41	69.90	90.80	101.96
▶ LY144-DS2835W24-W24	2400±100	2255.04	78.30	91.01	76.88	90.80	101.84
▶ LY144-DS2835W27-W24	2700±100	2560.03	88.89	91.31	78.98	92.96	100.81
▶ LY144-DS2835W30-W24	3000±100	2545.92	88.40	92.50	84.88	90.99	103.98
▶ LY144-DS2835W40-W24	4000±200	2768.26	96.12	95.68	85.96	90.92	99.91
▶ LY144-DS2835W60-W24	6000±300	2721.60	94.50	93.89	98.91	91.91	101.93

Note: Customized CCT can be realized according to specific requirements.

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LED Drivers  
**PHILIPS TRIDONIC**  
VOLTAMPERE

LED Chips  
**BRIDGELUX PHILIPS**  
**SAMSUNG CREE**



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# VA2110SMD 700LEDs LED STRIP

- ▶ 2110 LED with broader luminous surface
- ▶ Self-encapsulated design offers optional 2700-6000K
- ▶ High quality PCB, high thermal 3M adhesive
- ▶ With life span over 36000H
- ▶ Provide 1BIN delivery



2700K 3000K 4000K 6000K

CRI >90

120° Beam angle

One Bin

Dimmable

Cutttable

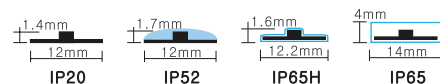
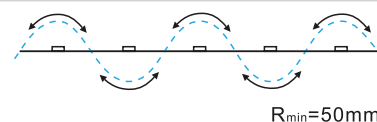
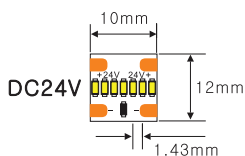
5m/Reel

50000 hours Lifetime

Compliant

5 YEARS WARRANTY

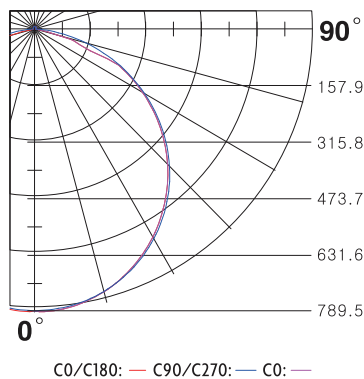
## DIMENSIONS & WATERPROOF



## PRODUCT SPECIFICATION

Dimension	5000mmx12mmx1.4mm
Chip density	700LED, 1.43mm LED pitch
Step LEDs	7LED
Step length	10mm
Power(W)	24Watt/meter
Efficacy	88.18lumen/Watt
Voltage(V)	DC24V
Current(A/m)	1A
Ambient temperature	-20°C~+50°C

## POLAR CURVE (The data base on IP20 6000K)



## PRODUCT PHOTOMETRICS (The data base on IP20 24V)

Part Number	CCT (K)	Lumen (lm/m)	Efficacy (lm/w)	CRI	R9	Rf (Fidelity)	Rg (Gamut)
▶ LY700-S2110W27-W24	2700±100	1963.20	81.80	90.24	64.96	89.83	99.89
▶ LY700-S2110W30-W24	3000±100	1988.88	82.87	92.26	61.82	90.06	98.92
▶ LY700-S2110W40-W24	4000±200	2041.44	85.06	93.02	68.97	90.90	99.99
▶ LY700-S2110W60-W24	6000±300	2116.32	88.18	94.87	72.97	92.89	100.93

Note: Customized CCT can be realized according to specific requirements.







# Tunable white series

This series is designed with dynamic color changes together with the possibility of modulating the CCT and brightness, offering important opportunities for designing and creating environments with a variety of styles in various spaces, such as home, casino and hotel.



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# RGB+W VA5050SMD 72LEDs

- ▶ 5050 LED with broader luminous surface
- ▶ Self-encapsulated design
- ▶ RGB + white colorful strip
- ▶ High quality PCB, high thermal 3M adhesive
- ▶ Widely adaptable to all types of RGBW controllers

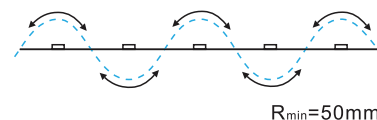
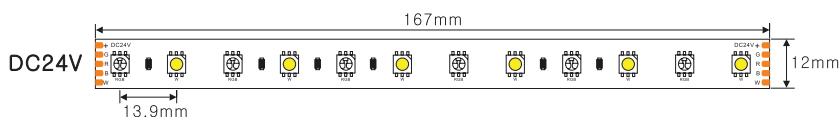
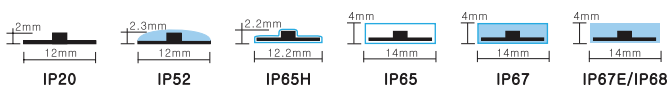
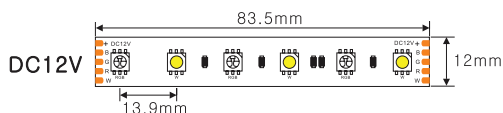


2100K 2400K 2700K 3000K 4000K 6000K

R G B RGB CRI >90

One Bin Dimmable 120° Beam angle Cuttable 5m/Reel 50000 Hours Lifetime Compliant 5 YEARS WARRANTY

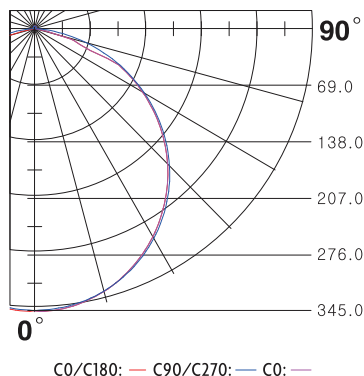
## DIMENSIONS & WATERPROOF



## PRODUCT SPECIFICATION

Dimension	5000mmx12mmx2mm
Chip density	72LED, 13.9mm LED pitch
Step LEDs	12LED(24V)/6LED(12V)
Step length	167mm(24V)/83.5mm(12V)
Power(W)	17Watt/meter
Efficacy	61lumen/Watt
Voltage(V)	DC24V/DC12V
Current(A/m)	0.71A(24V)/1.42A(12V)
Ambient temperature	-20°C~+50°C

## POLAR CURVE (The data base on IP20)



## PRODUCT PHOTOMETRICS (The data base on IP20 24V)

Part Number	Color/CCT (K)	Lumen (lm/m)	Power (w/m)	Efficacy (lm/w)	CRI
▶ LY72-S5050RGBW21-W24	RGB+2100K	780.08	15.92	49	44
▶ LY72-S5050RGBW24-W24	RGB+2400K	839.97	16.47	51	51
▶ LY72-S5050RGBW27-W24	RGB+2700K	860.19	16.23	53	59
▶ LY72-S5050RGBW30-W24	RGB+3000K	920.08	16.43	56	62
▶ LY72-S5050RGBW40-W24	RGB+4000K	949.90	16.10	59	68
▶ LY72-S5050RGBW60-W24	RGB+6000K	980.27	16.07	61	72

Note: Customized CCT can be realized according to specific requirements.



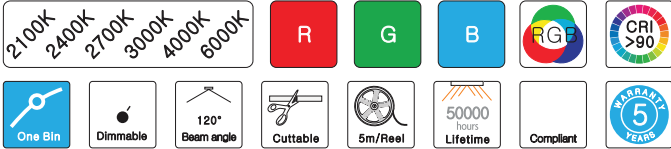


VOLTAMPERE

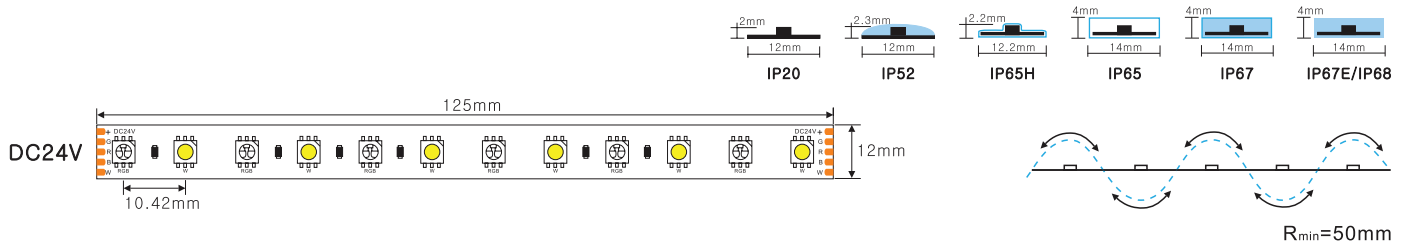


# RGB+W VA5050SMD 96LEDs

- ▶ 5050 LED with broader luminous surface
- ▶ Self-encapsulated design
- ▶ RGB + white colorful strip
- ▶ High quality PCB, high thermal 3M adhesive
- ▶ Widely adaptable to all types of RGBW controllers



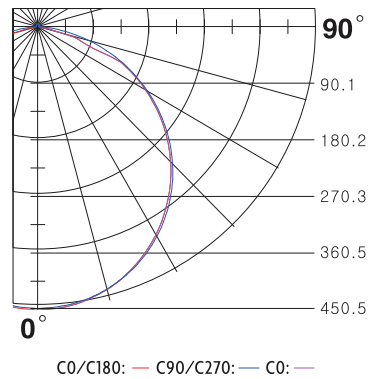
## DIMENSIONS & WATERPROOF



## PRODUCT SPECIFICATION

Dimension	5000mmx12mmx2mm
Chip density	96LED, 10.42mm LED pitch
Step LEDs	12LED
Step length	125mm
Power(W)	23Watt/meter
Efficacy	63lumen/Watt
Voltage(V)	DC24V
Current(A/m)	0.96A
Ambient temperature	-20°C~+50°C

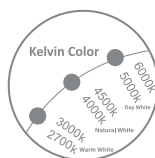
## POLAR CURVE (The data base on IP20)



## PRODUCT PHOTOMETRICS (The data base on IP20 24V)

Part Number	Color/CCT (K)	Lumen (lm/m)	Power (w/m)	Efficacy (lm/w)	CRI
▶ LY96-S5050RGBW21-W24	RGB+2100K	1030.00	20.60	50	46
▶ LY96-S5050RGBW24-W24	RGB+2400K	1069.98	20.98	51	52
▶ LY96-S5050RGBW27-W24	RGB+2700K	1139.94	21.11	54	61
▶ LY96-S5050RGBW30-W24	RGB+3000K	1200.02	20.69	58	63
▶ LY96-S5050RGBW40-W24	RGB+4000K	1219.80	20.33	60	69
▶ LY96-S5050RGBW60-W24	RGB+6000K	1280.16	20.32	63	74

Note: Customized CCT can be realized according to specific requirements.





VOLTAMPERE

# TOP VIEW VA1615 LED NEON

Regular power 5W/m, 10W/m and 15W/m for option

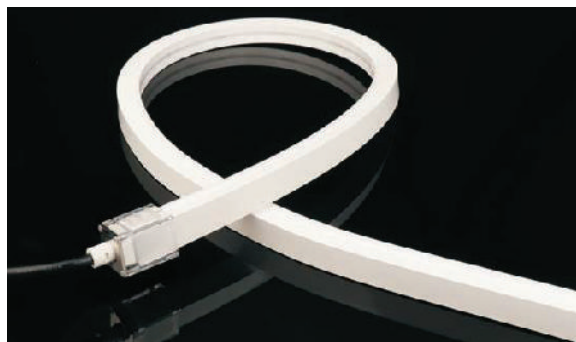
Max length 24 meters with one end power

Soldering-free end cap

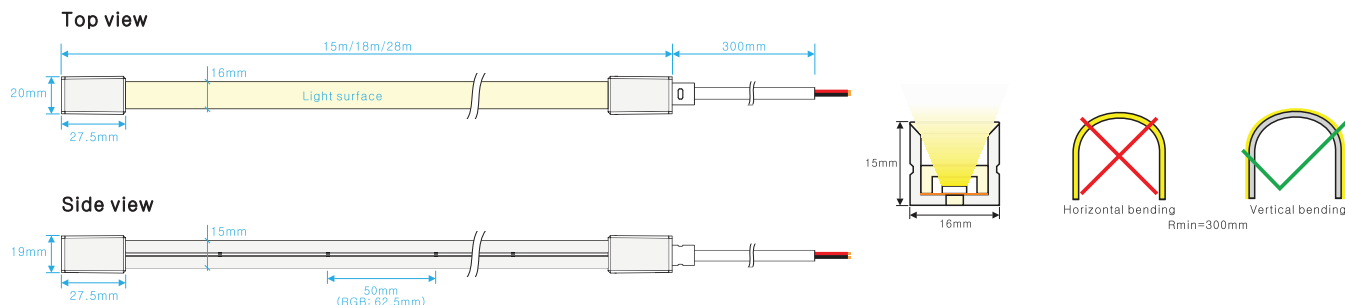
Eight CCT optional from 2100K to 6150K

2100K 2400K 2700K 3000K 3500K 4050K 5050K 6150K

2200K 5500K



## DIMENSIONS & WATERPROOF

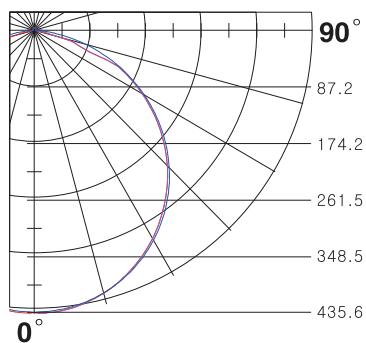


## PRODUCT SPECIFICATION

Voltage	DC24 V
CRI/Ra	>90
Ambient temperature	-25°C~45°C

T1615	Low power	Medium power	High power
Power(W/m)	5	10	15
Efficacy(lm/W)@6000K	70.0	67.2	62.1
Max Length(m)	28	18	15

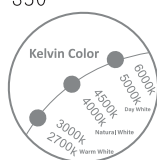
## POLAR CURVE (The data base on 15W 6000K)



C0/C180: — C90/C270: — C0: —

## WHITE COLOR PARAMETERS

Part Number	CCT (K)	Low power (lm/m)	Medium power (lm/m)	High power (lm/m)
▶ NS-T1615-W21	2000-2200K	268	496	674
▶ NS-T1615-W24	2300-2500K	276	525	704
▶ NS-T1615-W27	2600-2800K	317	581	766
▶ NS-T1615-W30	2900-3100K	296	561	748
▶ NS-T1615-W35	3400-3700K	301	574	763
▶ NS-T1615-W40	3800-4300K	348	663	915
▶ NS-T1615-W50	4800-5300K	352	682	930
▶ NS-T1615-W60	5900-6400K	350	672	932



150 VOLTAMPERE







VOLTAMPERE



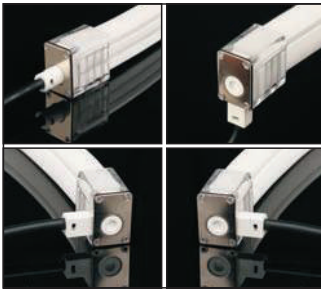
## TUNABLE COLOR PARAMETERS

Part Number	CCT (K)	Low power (lm/m)	Medium power (lm/m)	High power (lm/m)
▶ NS-T1615-TW	2000-2300K	122	237	335
▶ NS-T1615-TW	5000-5500K	164	330	466
▶ NS-T1615-TW	3400-3700K	276	555	762

## RGB COLOR PARAMETERS

Part Number	CCT (K)	Low power (lm/m)	Medium power (lm/m)	High power (lm/m)
▶ NS-T1615-R	Red(620-625nm)	139.0	279.0	390.0
▶ NS-T1615-G	Green(515-525nm)	411.0	696.0	835.0
▶ NS-T1615-B	Blue(460-465nm)	62.0	113.0	158.0
▶ NS-T1615-Y	Yellow(585-595nm)	114.0	242.0	394.0
▶ NS-T1615-P	Pink	134.0	255.0	352.0
▶ NS-T1615-RGB	RGB	141.5	253.8	336.9
▶ NS-T1615-RGBW	RGBW	-	-	-

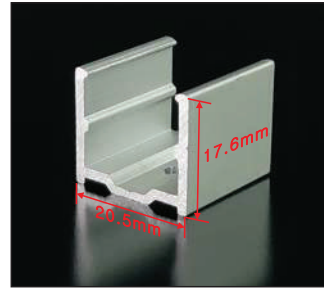
## Accessory



Solder-free connector with cable



Solder-free connector without cable



Mounting clip



Scissors with angular scale

LED Drivers  
PHILIPS TRIDONIC  
VOLTAMPERE

LED Chips  
BRIDGELUX PHILIPS  
SAMSUNG CREE



VOLTAMPERE



VOLTAMPERE

# TOP VIEW VA1212 LED NEON

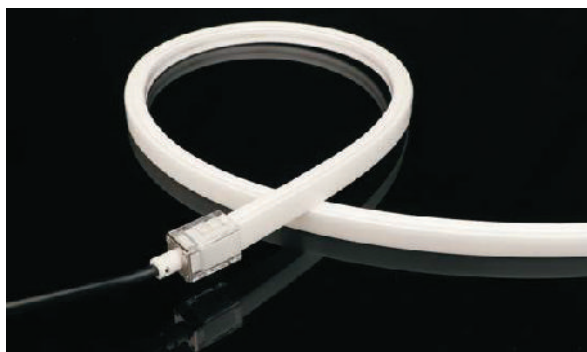
Regular power 5W/m and 10W/m for option

Max length 20 meters with one end power

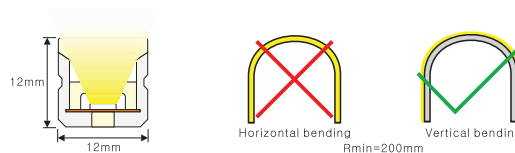
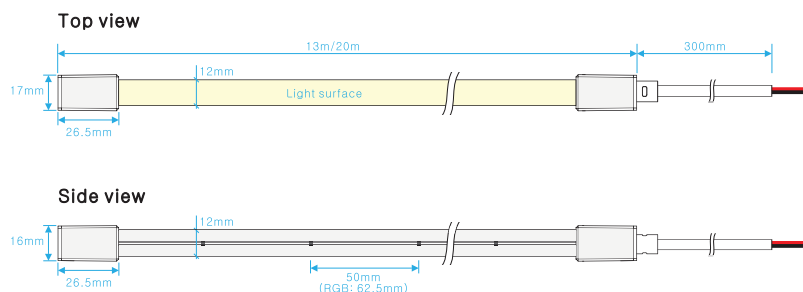
Soldering-free end cap

Eight CCT optional from 2100K to 6150K

2100K 2400K 2700K 3000K 3550K 4050K 5050K 6150K  
2200K 5500K



## DIMENSIONS & WATERPROOF

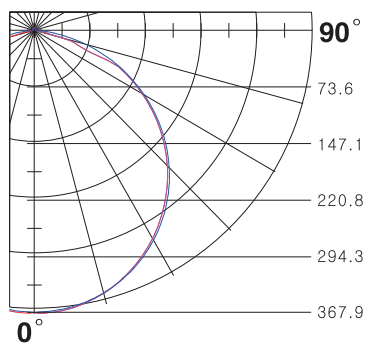


## PRODUCT SPECIFICATION

Voltage	DC24 V
CRI/Ra	>90
Ambient temperature	-25°C~45°C

T1212	Low power	High power
Power(W/m)	5	10
Efficacy(lm/W)@6000K	71.8	69.2
Max Length(m)	20	13

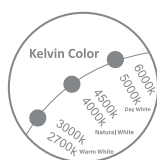
## POLAR CURVE (The data base on 10W 6000K)



C0/C180: — C90/C270: — C0: —

## WHITE COLOR PARAMETERS

Part Number	CCT (K)	Low power (lm/m)	High power (lm/m)
▶ NS-T1212-W21	2000-2200K	269	415
▶ NS-T1212-W24	2300-2500K	275	436
▶ NS-T1212-W27	2600-2800K	309	484
▶ NS-T1212-W30	2900-3100K	297	561
▶ NS-T1212-W35	3400-3700K	306	580
▶ NS-T1212-W40	3800-4300K	357	679
▶ NS-T1212-W50	4800-5300K	358	685
▶ NS-T1212-W60	5900-6400K	359	692



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# VOLTAMPERE





VOLTAMPERE



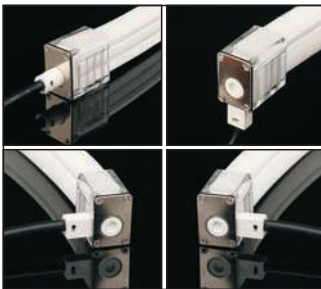
## TUNABLE COLOR PARAMETERS

Part Number	CCT (K)	Low power (lm/m)	High power (lm/m)
▶ NS-T1212-TW	2000-2300K	123	194
▶ NS-T1212-TW	5600-6300K	160	320
▶ NS-T1212-TW	3600-4200K	240	476

## RGB COLOR PARAMETERS

Part Number	CCT (K)	Low power (lm/m)	High power (lm/m)
▶ NS-T1212-R	Red(620-625nm)	138.0	268.0
▶ NS-T1212-G	Green(515-525nm)	401.0	675.0
▶ NS-T1212-B	Blue(460-465nm)	64.8	116.0
▶ NS-T1212-Y	Yellow(585-595nm)	116.0	230.0
▶ NS-T1212-P	Pink	142.0	264.0
▶ NS-T1212-RGB	RGB(15000~30000K)	155.7	263.0

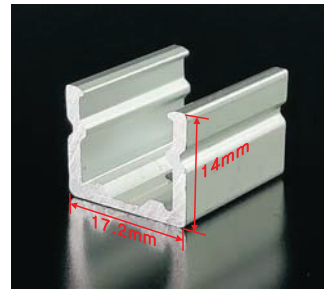
## Accessory



Solder-free connector with cable



Solder-free connector without cable



Mounting clip



Scissors with angular scale

LED Drivers  
PHILIPS TRIDONIC  
VOLTAMPERE

LED Chips  
BRIDGELUX PHILIPS  
SAMSUNG CREE



VOLTAMPERE



VOLTAMPERE

# SIDE VIEW VA1220 LED NEON

Regular power 5W/m, 10W/m and 15W/m for option

Max length 28 meters with one end power

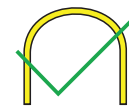
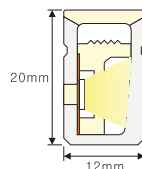
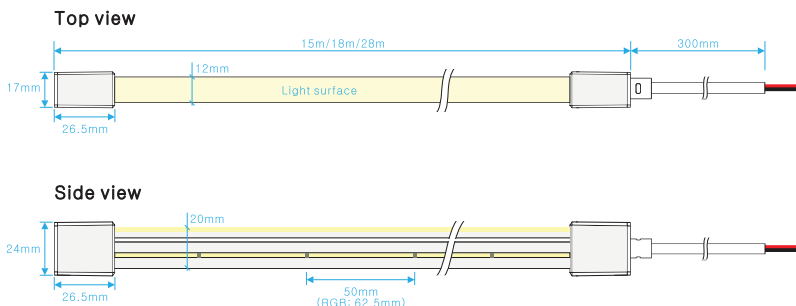
Soldering-free end cap

Eight CCT optional from 2100K to 6150K

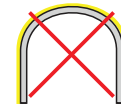
2100K 2400K 2700K 3000K 3550K 4050K 5050K 6150K  
2200K 5500K



## DIMENSIONS & WATERPROOF



Horizontal bending



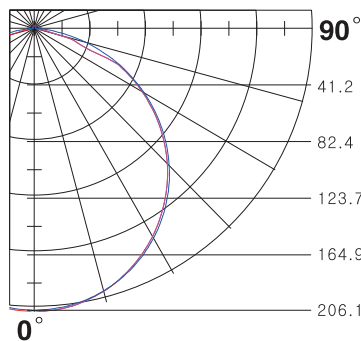
Vertical bending  
Rmin=300mm

## PRODUCT SPECIFICATION

Voltage	DC24 V
CRI/Ra	>90
Ambient temperature	-25°C~45°C

S1220	Low power	Medium power	High power
Power(W/m)	5	10	15
Efficacy(lm/W)@6000K	31.4	30.8	29.4
Max Length(m)	28	18	15

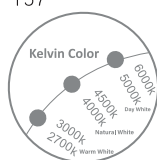
## POLAR CURVE (The data base on 15W 6000K)



C0/C180: — C90/C270: — C0: —

## WHITE COLOR PARAMETERS

Part Number	CCT (K)	Low power (lm/m)	Medium power (lm/m)	High power (lm/m)
▶ NS-S1220-W21	2000-2200K	150	271	376
▶ NS-S1220-W24	2300-2500K	143	274	361
▶ NS-S1220-W27	2600-2800K	150	271	376
▶ NS-S1220-W30	2900-3100K	141	269	361
▶ NS-S1220-W35	3400-3700K	162	312	431
▶ NS-S1220-W40	3800-4300K	166	320	445
▶ NS-S1220-W50	4800-5300K	168	326	446
▶ NS-S1220-W60	5900-6400K	157	308	441





VOLTAMPERE



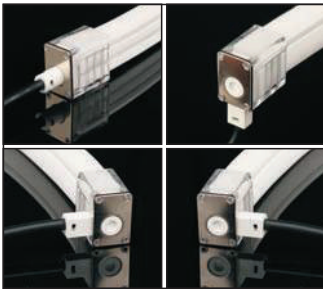
## TUNABLE COLOR PARAMETERS

Part Number	CCT (K)	Low power (lm/m)	Medium power (lm/m)	High power (lm/m)
▶ NS-S1220-TW	2000-2300K	61	118	167
▶ NS-S1220-TW	5000-5500K	80	155	226
▶ NS-S1220-TW	3400-3700K	134	267	366

## RGB COLOR PARAMETERS

Part Number	CCT (K)	Low power (lm/m)	Medium power (lm/m)	High power (lm/m)
▶ NS-S1220-R	Red(620-625nm)	72.6	128.2	184.0
▶ NS-S1220-G	Green(515-525nm)	207.6	349.1	420.8
▶ NS-S1220-B	Blue(460-465nm)	30.1	53.5	73.5
▶ NS-S1220-Y	Yellow(585-595nm)	56.7	121.3	167.0
▶ NS-S1220-P	Pink	134.0	123.9	170.0
▶ NS-S1220-RGB	RGB	72.4	124.3	167.0
▶ NS-S1220-RGBW	RGBW	-	-	-

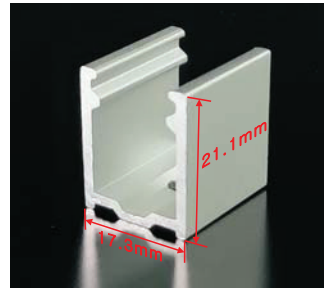
## Accessory



Solder-free connector with cable



Solder-free connector without cable



Mounting clip



Scissors with angular scale

LED Drivers  
PHILIPS TRIDONIC  
VOLTAMPERE

LED Chips  
BRIDGELUX PHILIPS  
SAMSUNG CREE



# VOLTAMPERE



VOLTAMPERE

# SIDE VIEW VA0612 LED NEON

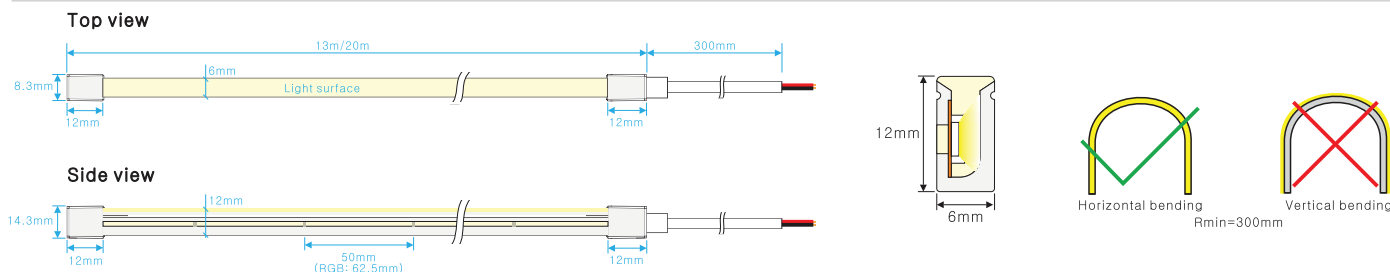
- Regular power 5W/m and 10W/m for option
- Max length 20 meters with one end power
- Soldering-free end cap
- Eight CCT optional from 2100K to 6150K



- 2100K
- 2400K
- 2700K
- 3000K
- 3500K
- 4050K
- 5050K
- 6150K
- 2200K
- 5500K



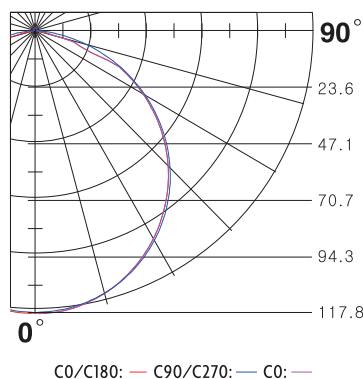
## DIMENSIONS & WATERPROOF



## PRODUCT SPECIFICATION

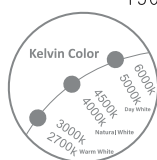
Voltage	DC24 V	
CRI/Ra	>90	
Ambient temperature	-25°C~45°C	
S0612	Low	High
Power(W/m)	5	10
Efficacy(lm/W)@6000K	38	35.9
Max Length(m)	20	13

## POLAR CURVE (The data base on 15W 6000K)



## WHITE COLOR PARAMETERS

Part Number	CCT (K)	Low power (lm/m)	High power (lm/m)
▶ NS-S0612-W21	2000-2200K	145	246
▶ NS-S0612-W24	2300-2500K	173	312
▶ NS-S0612-W27	2600-2800K	178	353
▶ NS-S0612-W30	2900-3100K	154	299
▶ NS-S0612-W35	3400-3700K	169	327
▶ NS-S0612-W40	3800-4300K	186	360
▶ NS-S0612-W50	4800-5300K	187	360
▶ NS-S0612-W60	5900-6400K	190	359





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## TUNABLE COLOR PARAMETERS

Part Number	CCT (K)	Low power (lm/m)	High power (lm/m)
▶ NS-S0612-TW	2000-2300K	58	126
▶ NS-S0612-TW	5000-5500K	88	177
▶ NS-S0612-TW	3400-3700K	158	269

## RGB COLOR PARAMETERS

Part Number	Color (nm)	Low power (lm/m)	High power (lm/m)
▶ NS-S0612-R	620-625nm	16.5	32.5
▶ NS-S0612-G	515-525nm	46.6	79.7
▶ NS-S0612-B	460-465nm	6.1	15.3
▶ NS-S0612-RGB	15000-30000K	73	126.6

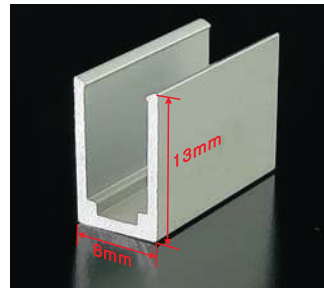
## Accessory



Endcap connector with hole



Endcap without hole



Mounting clip



Scissors with angular scale

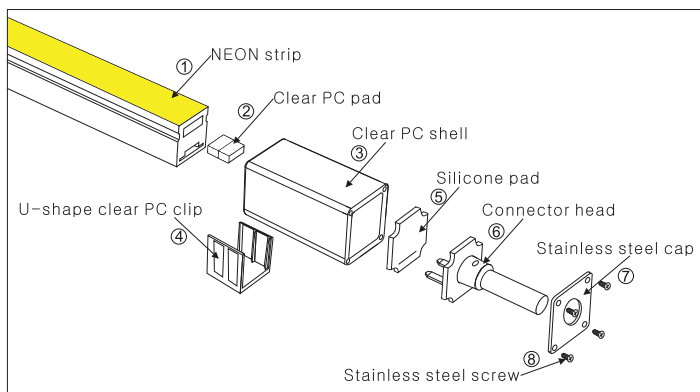




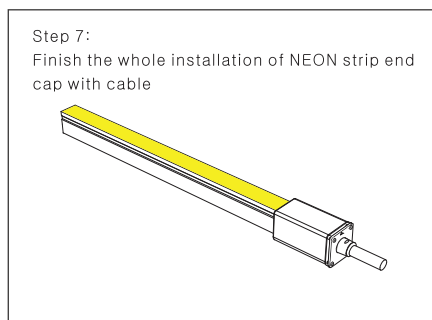
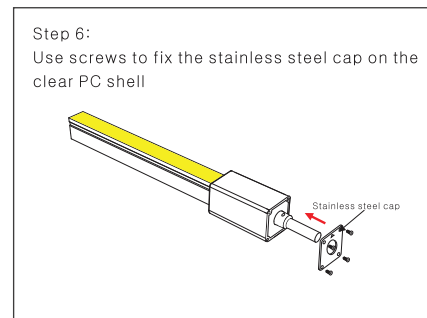
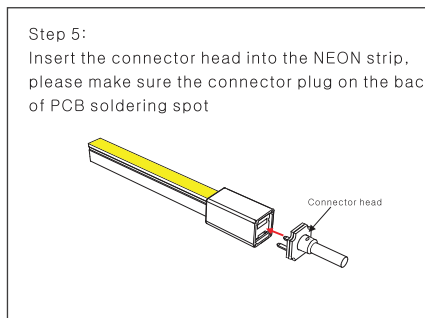
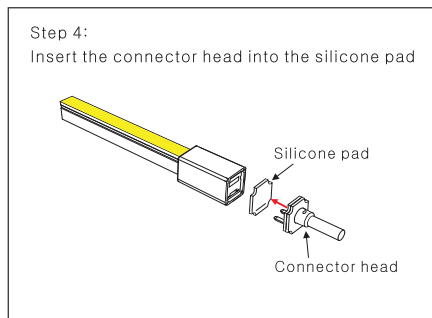
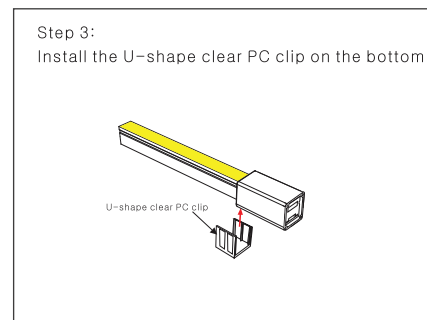
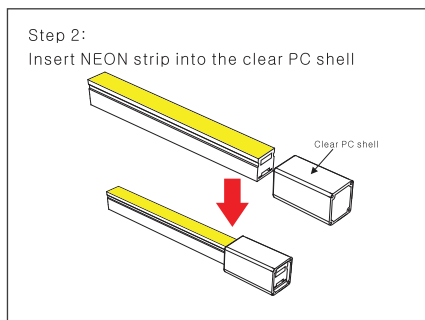
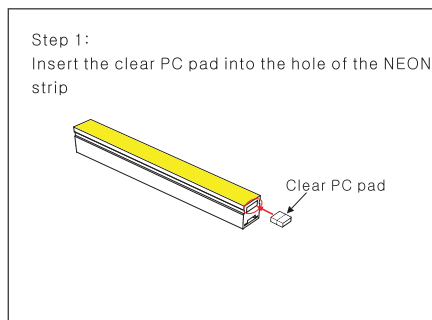
# Installation of solder-free connector

## Installation of solder-free connector with cable

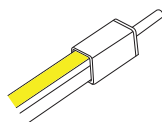
### Assembly Drawing



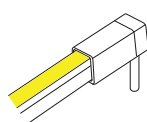
### Assembly Step



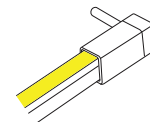
### Cable outlet



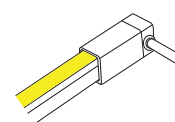
End cap with cable  
(Outlet from the end)



End cap with cable  
(Outlet from the bottom)



End cap with cable  
(Outlet from the left)



End cap with cable  
(Outlet from the right)

### Note:

1. The same installation step suit for different outlet cable of the connector
2. Please keep the cutting place as flat as possible to achieve better waterproof effect.
3. This installation instruction is suitable of all the solder-free connector with similar structures.



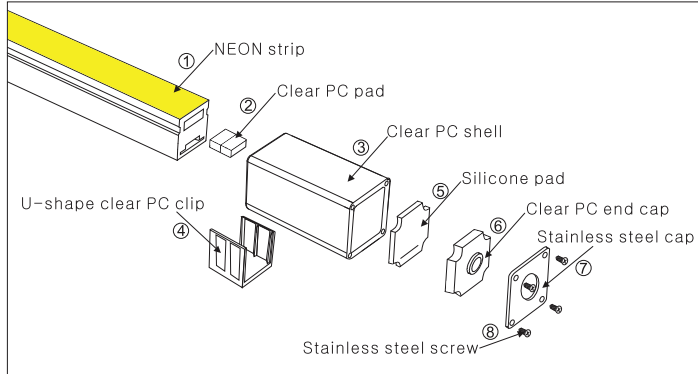




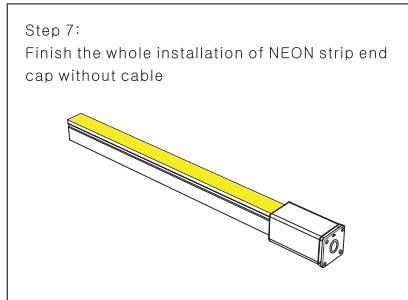
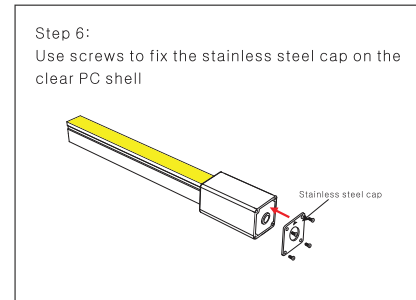
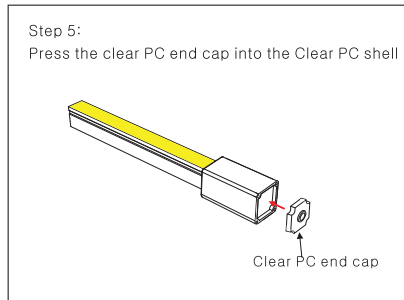
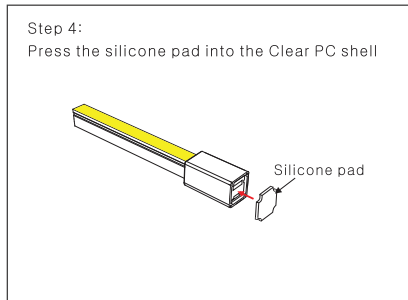
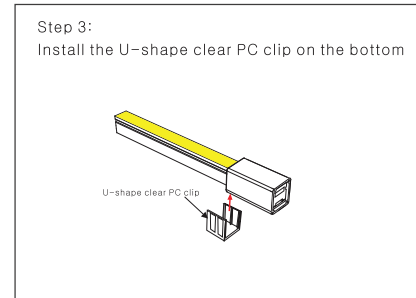
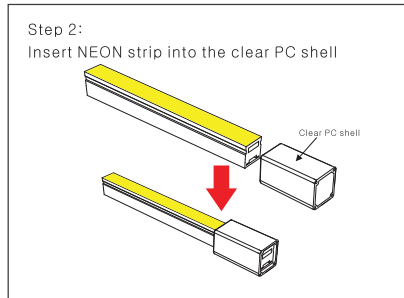
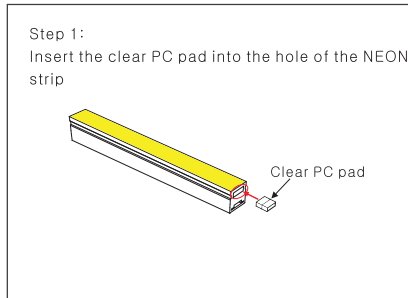
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# Installation of solder-free connector without cable

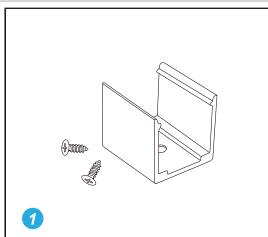
## Assembly Drawing



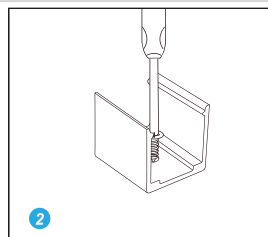
## Assembly Step



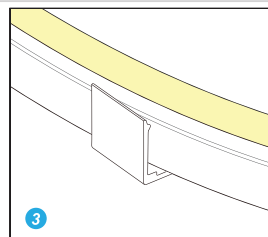
## Installation



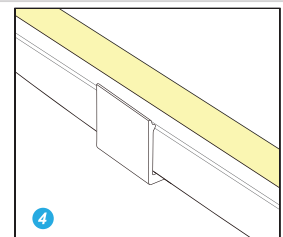
1 Prepare the screws and mounting clips



2 Adjust the fixed clips to the appropriate place, use a screwdriver to fix the screw.



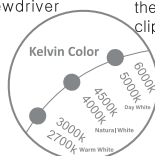
3 Put the light emitting surface upwards, then insert the LED strip into the fixed clips.



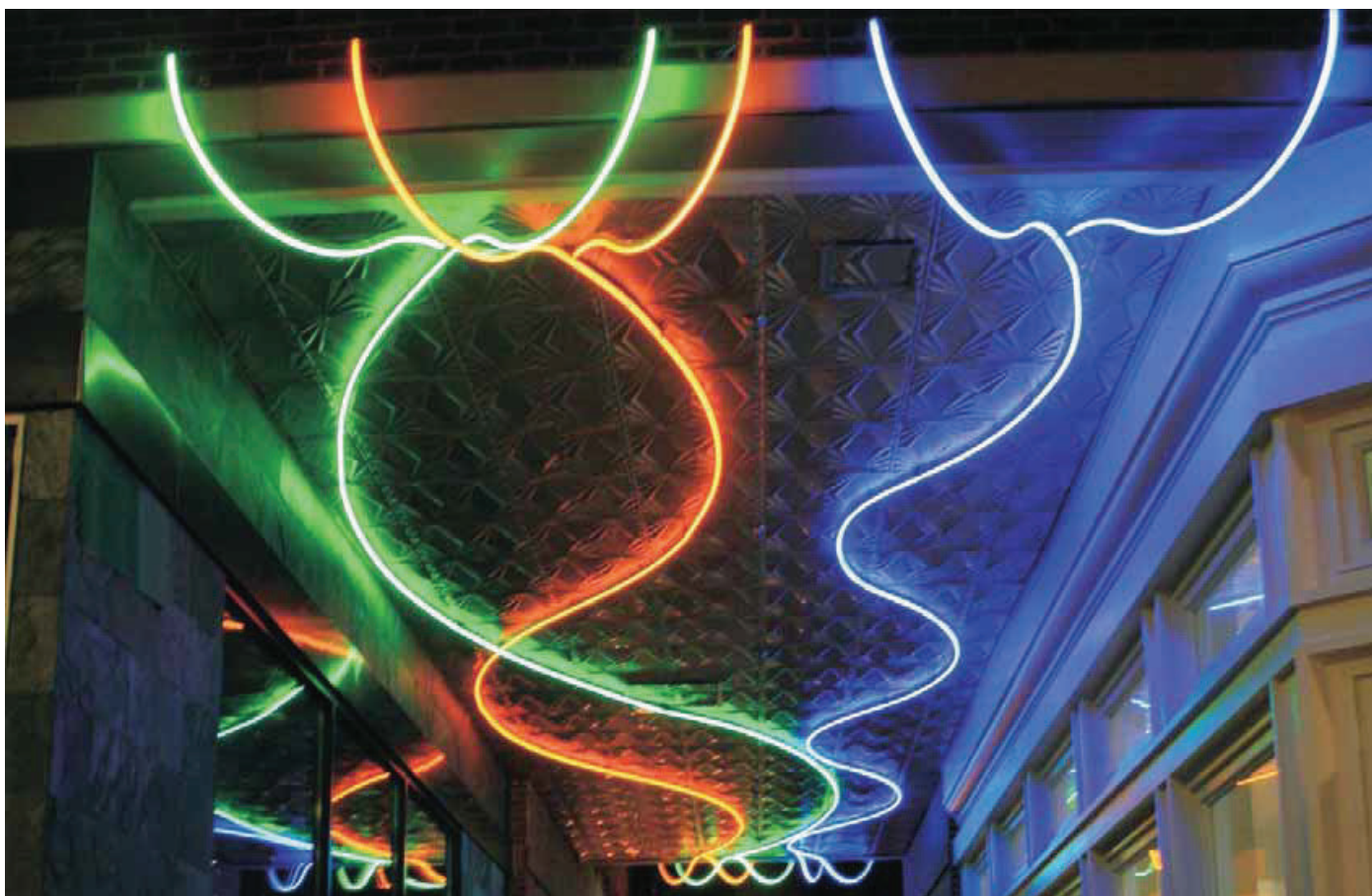
4 Fix NEON strip completely into the fixed clip.

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LED Chips  
BRIDGELUX PHILIPS  
SAMSUNG CREE



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# LED strip accessory

A powerful accessory system is provided to our customers with perfect lighting solutions, this make them have nothing to worry in the projects.

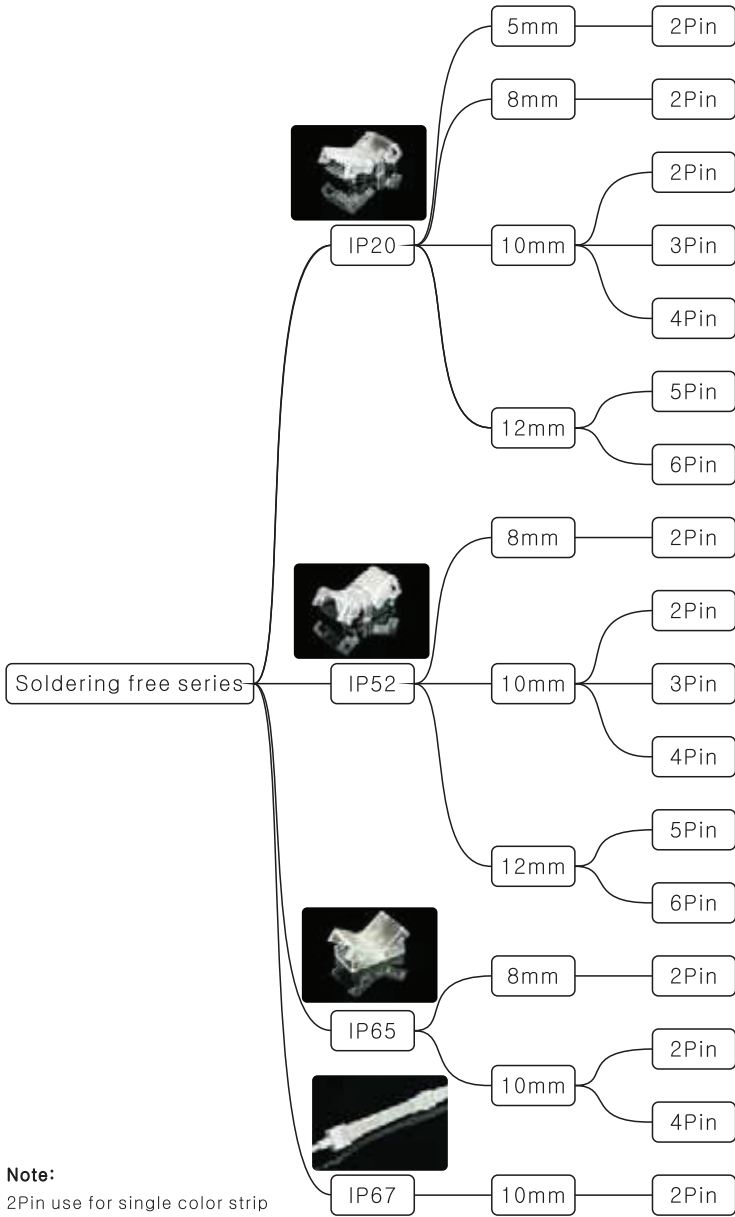




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# LED strip connector & cable



**Note:**  
 2Pin use for single color strip  
 3Pin use for tunable white color strip  
 4Pin use for RGB color strip  
 5Pin use for RGBW or RGB+W color strip  
 6Pin use for RGBTW or RGB+TW color strip



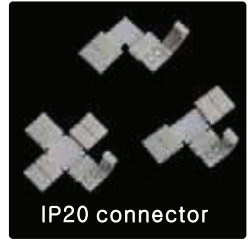
2~5 Pin cable



Cable connector



IP20 connector



IP20 connector



IP20 DC connector



IP52/65 connector



IP67 connector

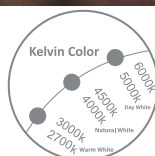


IP67 connector



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**SAMSUNG CREE**



# VOLTAMPERE

# LED controller

## Single color controller



Model: LY-P1X+R4  
 Voltage: AC85-265V / DC12V~24V  
 Current: 4\*5A  
 Power: 12V<240W, 24V<480W  
 Size: 86x86x36mm / 176x46x30mm



Model: LY-T1+R4  
 Voltage: DC12V~24V  
 Current: 4\*5A  
 Power: 12V<240W, 24V<480W  
 Size: 106x56x9mm / 176x46x30mm

## Tunable white controller



Model: LY-P2X+R4  
 Voltage: AC85-265V / DC12V~24V  
 Current: 4\*5A  
 Power: 12V<240W, 24V<480W  
 Size: 86x86x36mm / 176x46x30mm



Model: LY-T2+R4  
 Voltage: DC12V~24V  
 Current: 4\*5A  
 Power: 12V<240W, 24V<480W  
 Size: 106x56x9mm / 176x46x30mm

## RGB controller



Model: LY-P3X+R4  
 Voltage: AC85-265V / DC12V~24V  
 Current: 4\*5A  
 Power: 12V<240W, 24V<480W  
 Size: 86x86x36mm / 176x46x30mm



Model: LY-T3+R4  
 Voltage: DC12V~24V  
 Current: 4\*5A  
 Power: 12V<240W, 24V<480W  
 Size: 106x56x9mm / 176x46x30mm

## RGBW controller



Model: LY-P4X+R4  
 Voltage: AC85-265V / DC12V~24V  
 Current: 4\*5A  
 Power: 12V<240W, 24V<480W  
 Size: 86x86x36mm / 176x46x30mm



Model: LY-T4+R4  
 Voltage: DC12V~24V  
 Current: 4\*5A  
 Power: 12V<240W, 24V<480W  
 Size: 106x56x9mm / 176x46x30mm

## Amplifier



Model: LY-AP1  
 Voltage: DC5V~24V  
 Current: 1\*10A  
 Power: 5V<50W, 12V<120W, 24V<240W  
 Size: 176x46x30mm



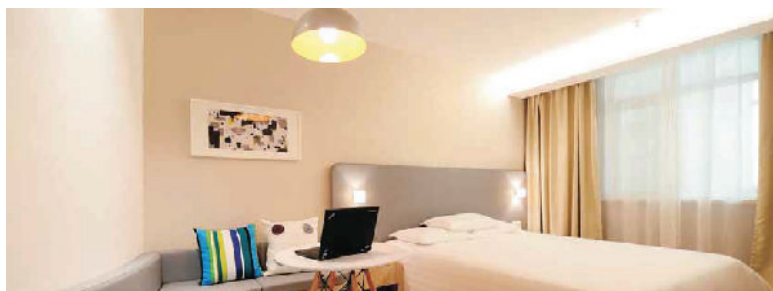
Model: LY-AP2  
 Voltage: DC5V~24V  
 Current: 2\*8A  
 Power: 5V<80W, 12V<192W, 24V<384W  
 Size: 176x46x30mm



Model: LY-AP3  
 Voltage: DC5V~24V  
 Current: 3\*5A  
 Power: 5V<75W, 12V<180W, 24V<360W  
 Size: 176x46x30mm



Model: LY-AP4  
 Voltage: DC5V~24V  
 Current: 3\*3A+1\*9A  
 Power: 5V<90W, 12V<216W, 24V<432W  
 Size: 176x46x30mm





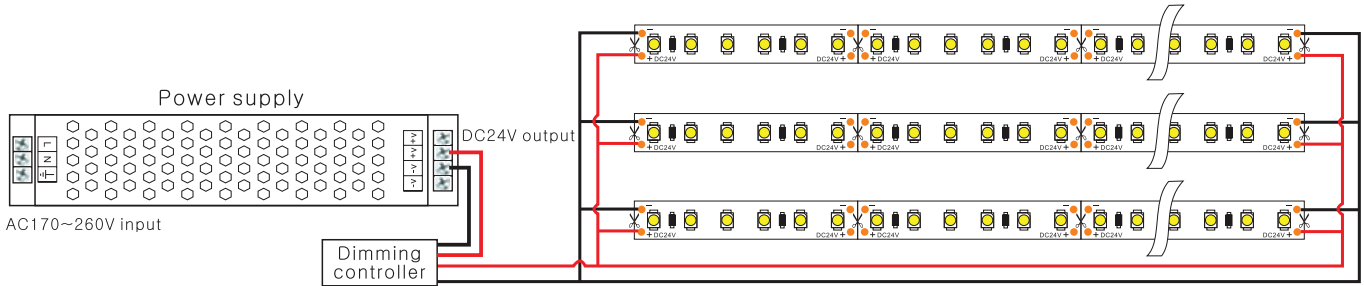


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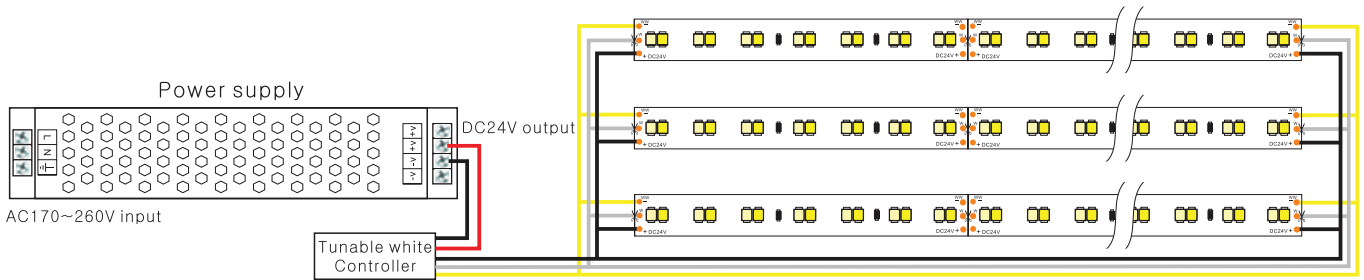


# Connection diagram

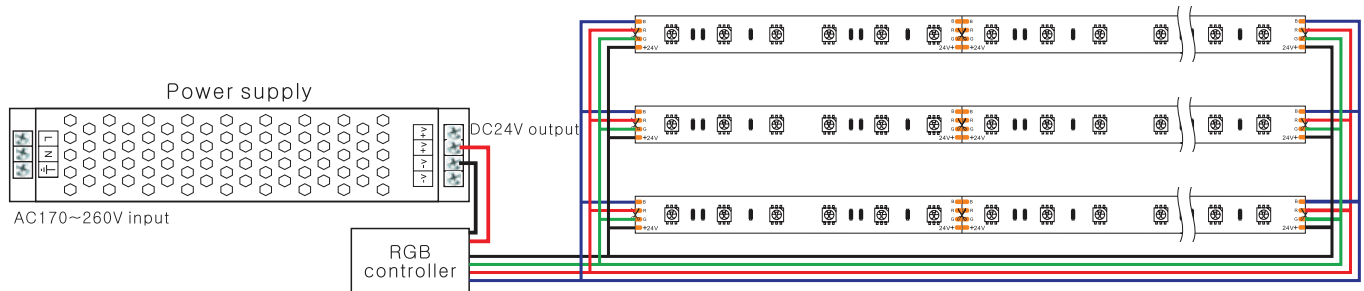
## Single color strip (1 channel controller, SMD3528, 180 LEDs, 24V, item NO.: LY180-S3528W-W24)



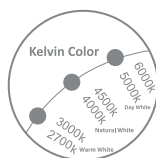
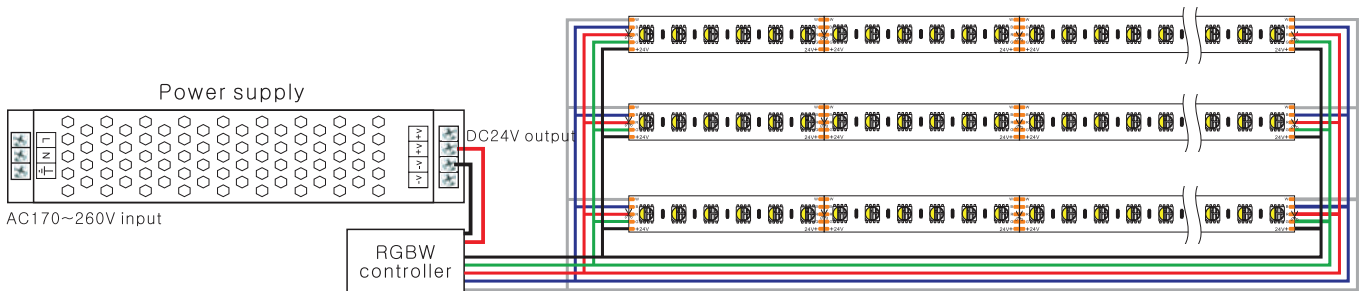
## Tunable white strip (2 channels controller, SMD2835, 112 LEDs, 24V, item NO.: LY112-S2835TW-W24)



## RGB color strip (3 channels controller, SMD5050, 60 LEDs, 24V, item NO.: LY60-S5050RGB-W24)



## RGBW color strip (4 channels controller, SMD5050 4 in 1 LED, 96 LEDs, 24V, item NO.: LY96-LS5050RGBW-W24)



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# DMX & Magic controller

## DMX controller



**DMX controller**  
 Model: LY-DMX100  
 Voltage: DC9V  
 Output: DMX512  
 Interface: XLR-3, RJ45, Terminal block  
 Dimension: 161x100x30mm  
 Weight(G.W.): 460g

## DMX decoder



**SPI DMX decoder**  
 Model: LY-DMX802SPI  
 Voltage: DC5V~DC24V  
 Input: DMX512/1990  
 Output: SPI signal  
 Interface: XLR-3, RJ45 port  
 Dimension: 125x52x40mm  
 Weight(G.W.): 320g

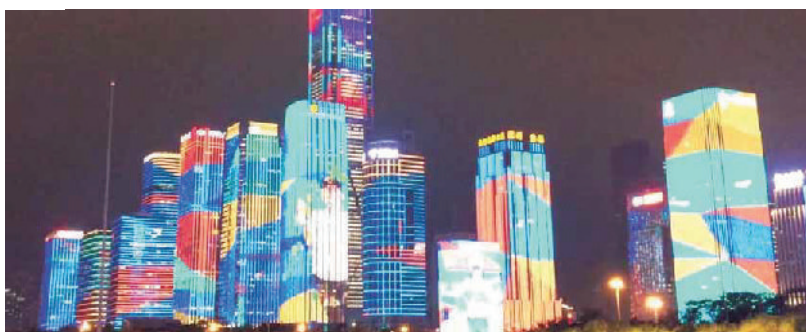


**RGB DMX decoder**  
 Model: LY-DMX803RGB  
 Voltage: DC5V~DC24V  
 Input: DMX512/1990, 5A\*3CH  
 Output: 3CH PWM  
 Interface: XLR-3, RJ45 port  
 Dimension: 125x52x40mm  
 Weight(G.W.): 320g

## Magic strip controller



**Magic strip controller**  
 Model: LY-MG201  
 Voltage: DC5V~DC24V  
 Output: Max 10A  
 Output power: 50W(5V)/120W(12V)/240W(24V)  
 Dimension: 135x30x20mm  
 Weight(G.W.): 110g



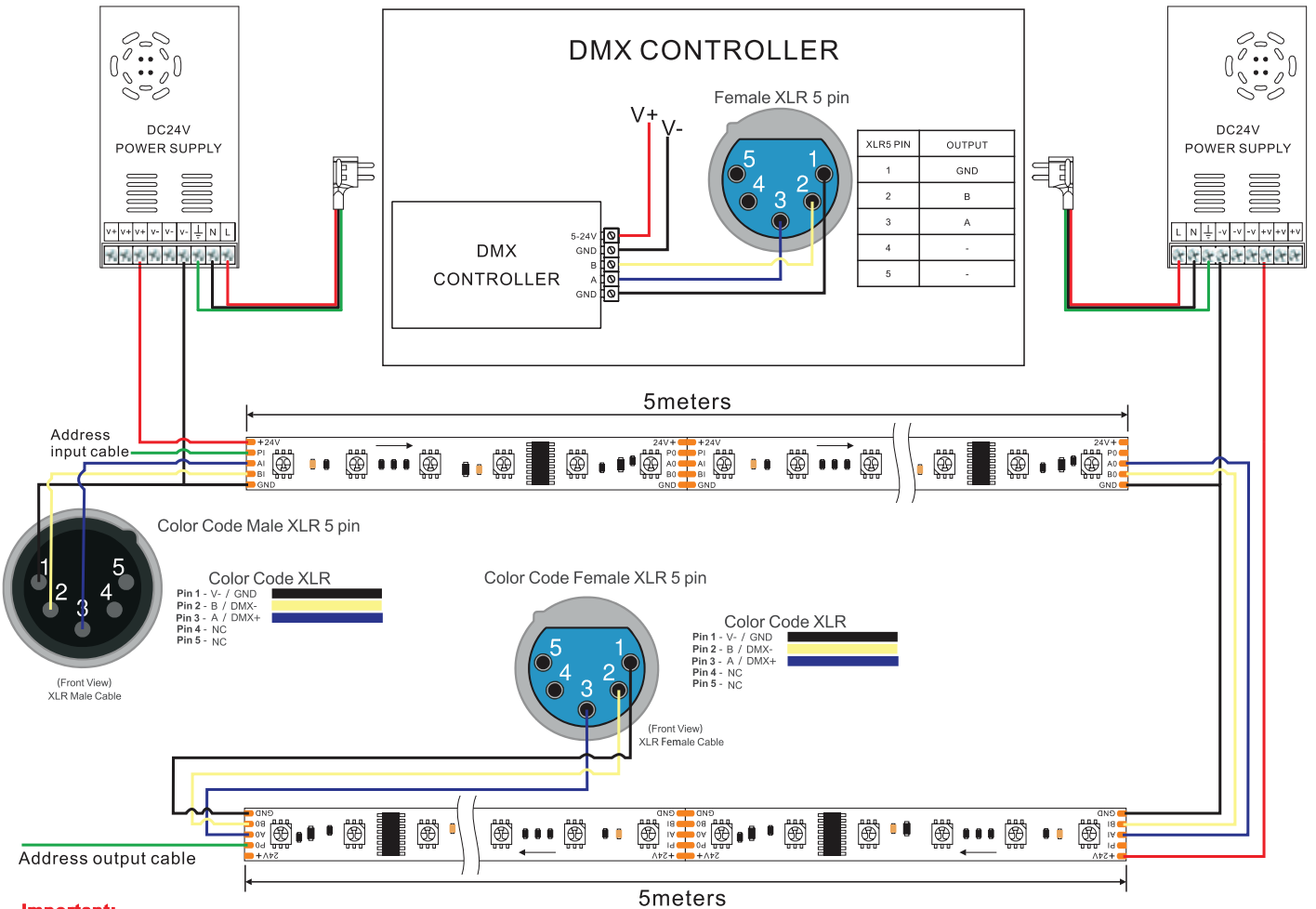


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# Connection diagram

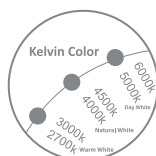
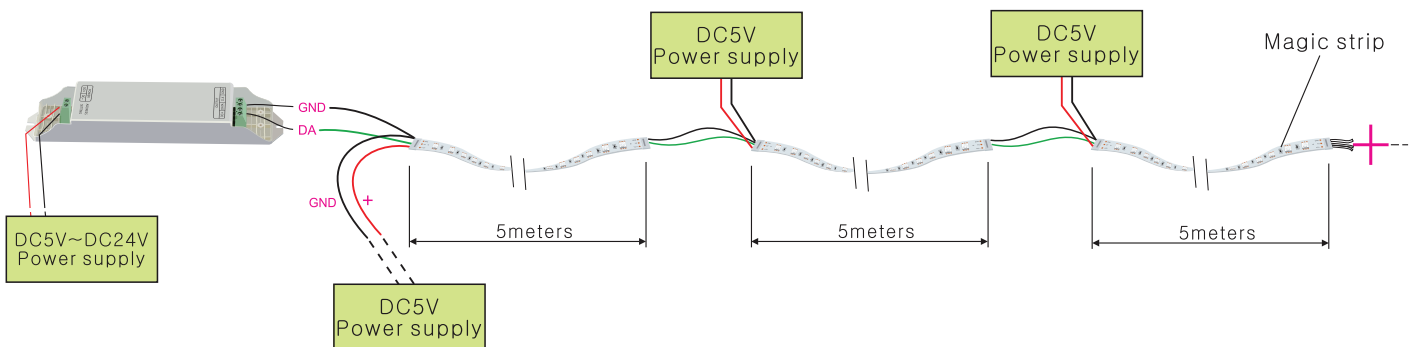
DMX strip (DMX controller, DMX512, SMD5050, 60LEDs, 24V item NO.: LY60-DMXS5050RGB-W24)



**Important:**

1. Regular DMX512 LED Strip not include the XLR connector, if need XLR connector, extra cost will be added.
2. If you want to change the starting address, you will need a DMX Address Editor, available on our website.

Magic strip (Magic strip controller, SK6812 RGB, SMD5050, 60LEDs, DC5V, item NO.: LY60-SK6812RGB-W5)



# LED power supply

## Meanwell LRS series



- LRS series
- Economic non-PFC function
  - 35W~350W reliable output
  - Short cut, overload, over voltage, over temperature protections
  - CE,CB,C-UL certificates
  - 3years warranty

## Meanwell ELG series

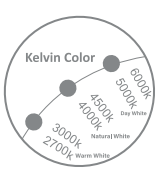


- ELG series
- 100~305VAC input range
  - 75W~300W reliable output
  - Metal case, IP67/IP65 design for indoor or outdoor installations,
  - output adjustable via potentiometer: 3 in 1 dimming (0~10Vdc or 10V PWM signal or resistance, dim-to-off); smart timer dimming; DALI.
  - 5years warranty

## Meanwell HLG series



- HLG series
- 90~305VAC input, built-in active PFC function
  - 40W~600W reliable output
  - Metal case, IP67/IP65 design for indoor or outdoor installations,
  - output adjustable via potentiometer: 3 in 1 dimming (1~10Vdc or 10V PWM signal or resistance); timer dimming
  - 7years warranty







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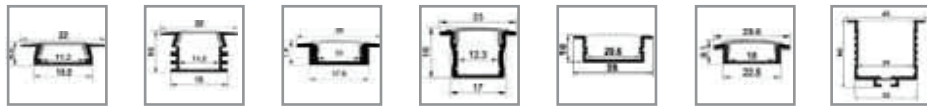
# Aluminum profile

Surface mounted



LS1506B LS1612B LS1612H LS1707D LS1715B LS2216 LS2208 LS2310

Recessed series



LE2206B LE2212B LE2507B LE2515B LE2810 LE2908 LE3535G

Corner series



LC1616 LC3030 LC3030B LC1919B LC1919C LC1919F LC1919E

Pendant series



LP2020 LP3030P LP6060 LP3535C LP5078 LP9038

Waterproof series



L1707W L2507W L1715W L2515W L1919W L1201W

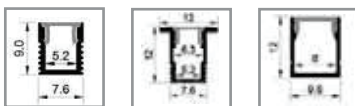
Shelf Magnetic series



LM0810 LM1408 LM1712 LM2512 LM1718 LM2518

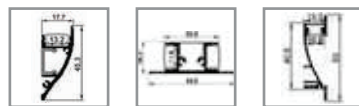
## Special series

Mini Series



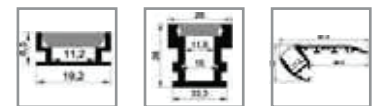
LN0809 LN0812 LN1012

Wall series



LW1844 LW1848 LW5313

Floor Series



LF1908 LF2626 LF6628

Bending Series

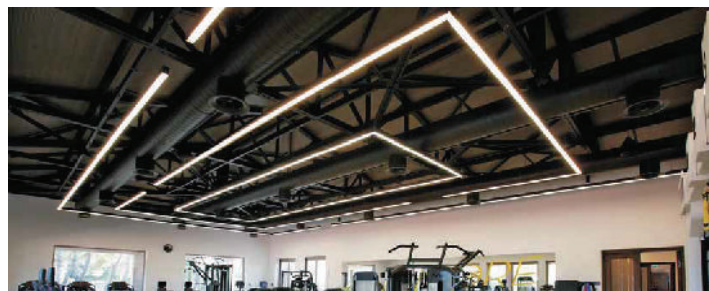


LB1018R LB1018S LB1807

Clothespress Series



LH1929



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LED Chips  
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