LED Strip
and Neon Flex

Galaxias Series

ILLUMINATINGASIA
Lighting Up The Past Present & Future

BIN

LE27 LE24 LE22 LE21
LE30
LE35
LE40
LE45
LE50
LE60
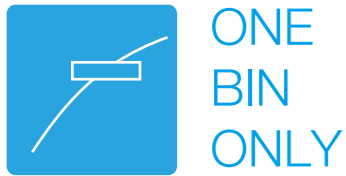LE65

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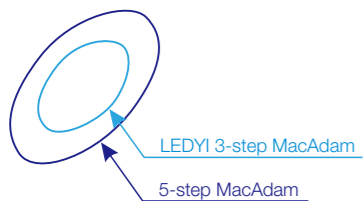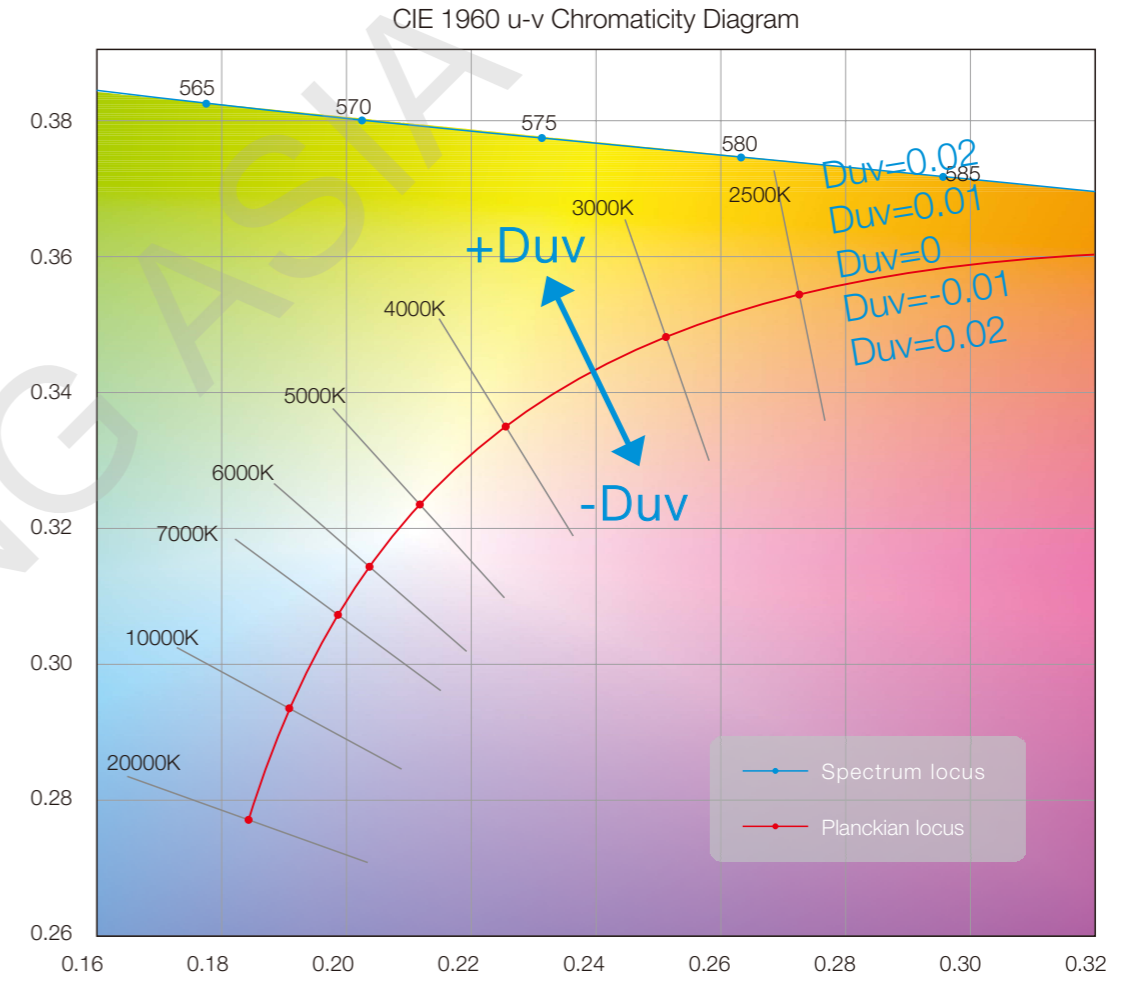3000K
4000K
6000K

Blackbody Locus

For all your order

ONE
BIN
ONLY
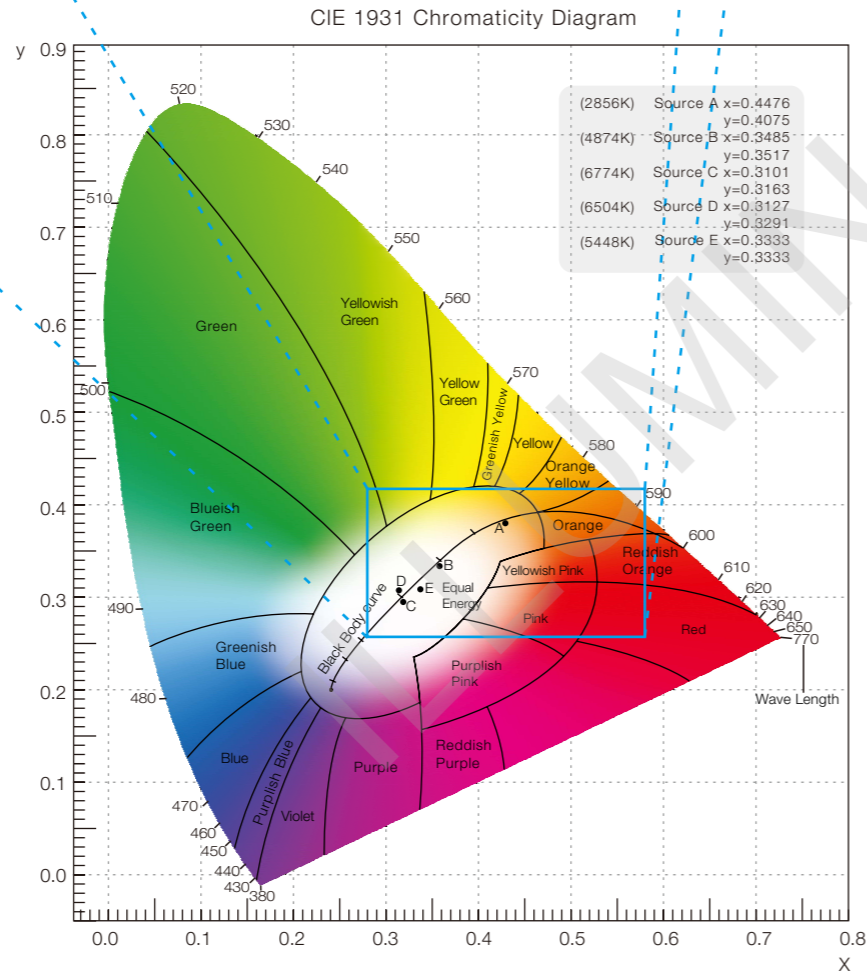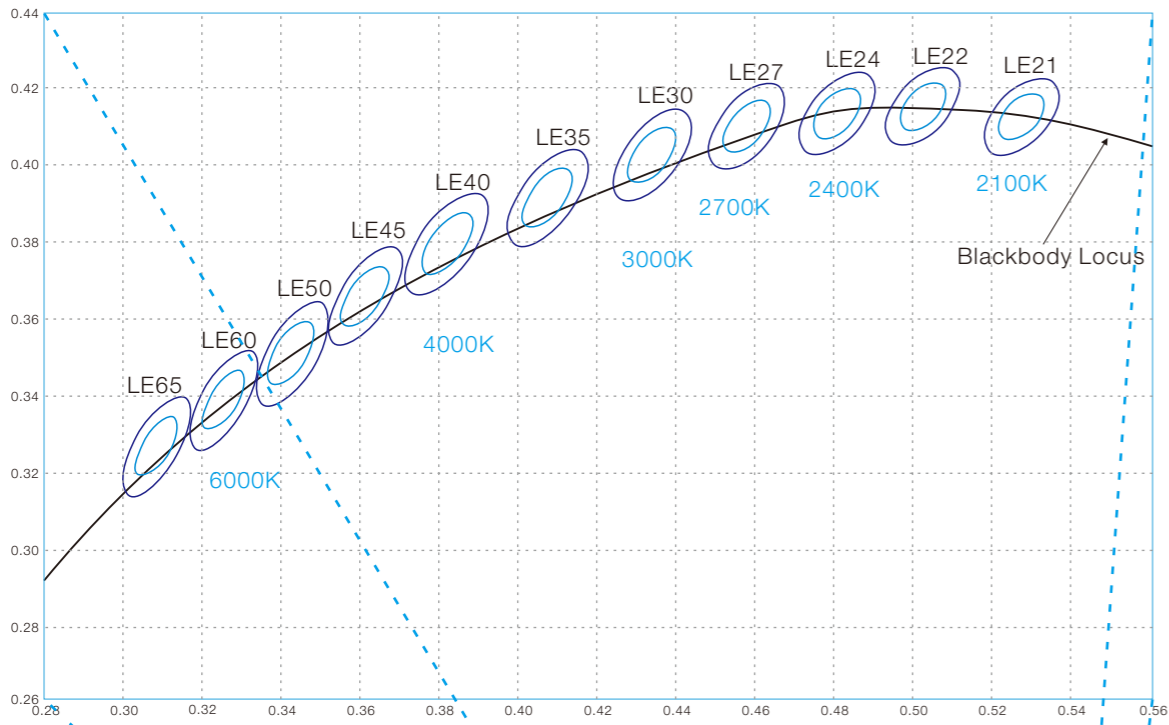
Today and tomorrow

"One Bin Only" within 3 MacAdam, |Duv|<0.006 guarantees constant color temperature.

Graphic Description:

LEDYI 3-step MacAdam
5-step MacAdam

CIE 1931 Chromaticity Diagram

y 0.9

520
530
510
540
550
500
560
570
Yellowish Green
Green
Yellow Green
580
Greenish Yellow
Yellow
Blueish Green
Orange Yellow
Orange
590
Black Body Curve
A
B
Reddish Orange
600
Yellowish Pink
D E Equal Energy
C
Pink
610
620
630
640
Red
650
770
490
Greenish Blue
Purplish Pink
480
Blue
Purplish Blue
Purple
Reddish Purple
Violet
470
460
450
440
430 380
Wave Length
X

(2856K) Source A x=0.4476 y=0.4075
(4874K) Source B x=0.3485 y=0.3517
(6774K) Source C x=0.3101 y=0.3163
(6504K) Source D x=0.3127 y=0.3291
(5448K) Source E x=0.3333 y=0.3333

CIE 1960 u-v Chromaticity Diagram

565
570
575
580
585
Duv=0.02
Duv=0.01
Duv=0
Duv=-0.01
Duv=0.02
3000K
2500K
+Duv
4000K
-Duv
5000K
6000K
7000K
10000K
20000K

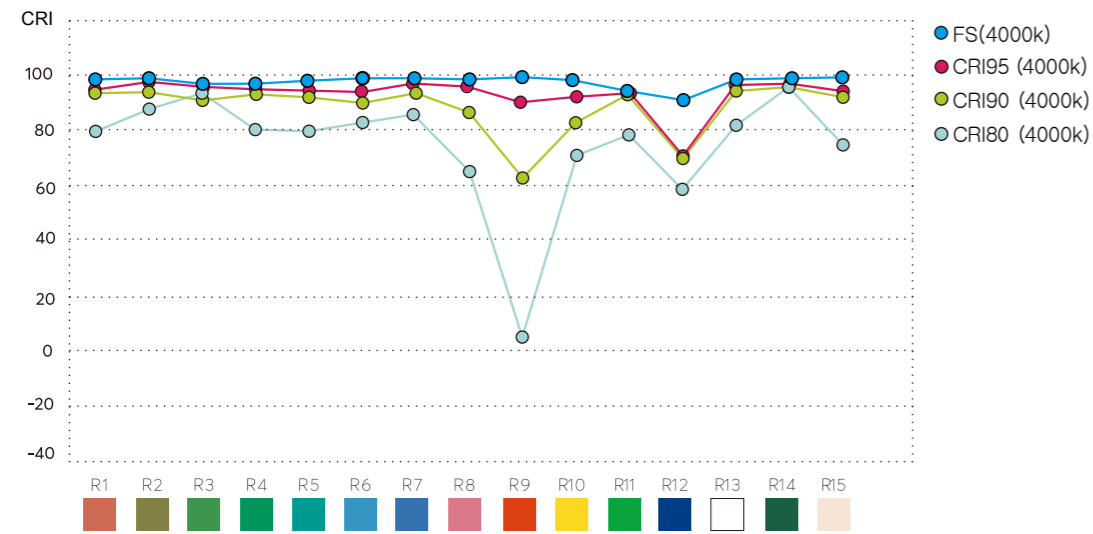Spectrum locus
Planckian locus

Duv is getting closer to zero, the color temperature is more pure and real

CRI

Color Rendering Index (CRI)

The higher CRI, the color is more real,
higher CRI become more and more popular.
All strip light are more than CRI90,it shows true color for you.

High CRI

Average CRI evaluation indicator

Legend:
- FS(4000k)
- CRI95 (4000k)
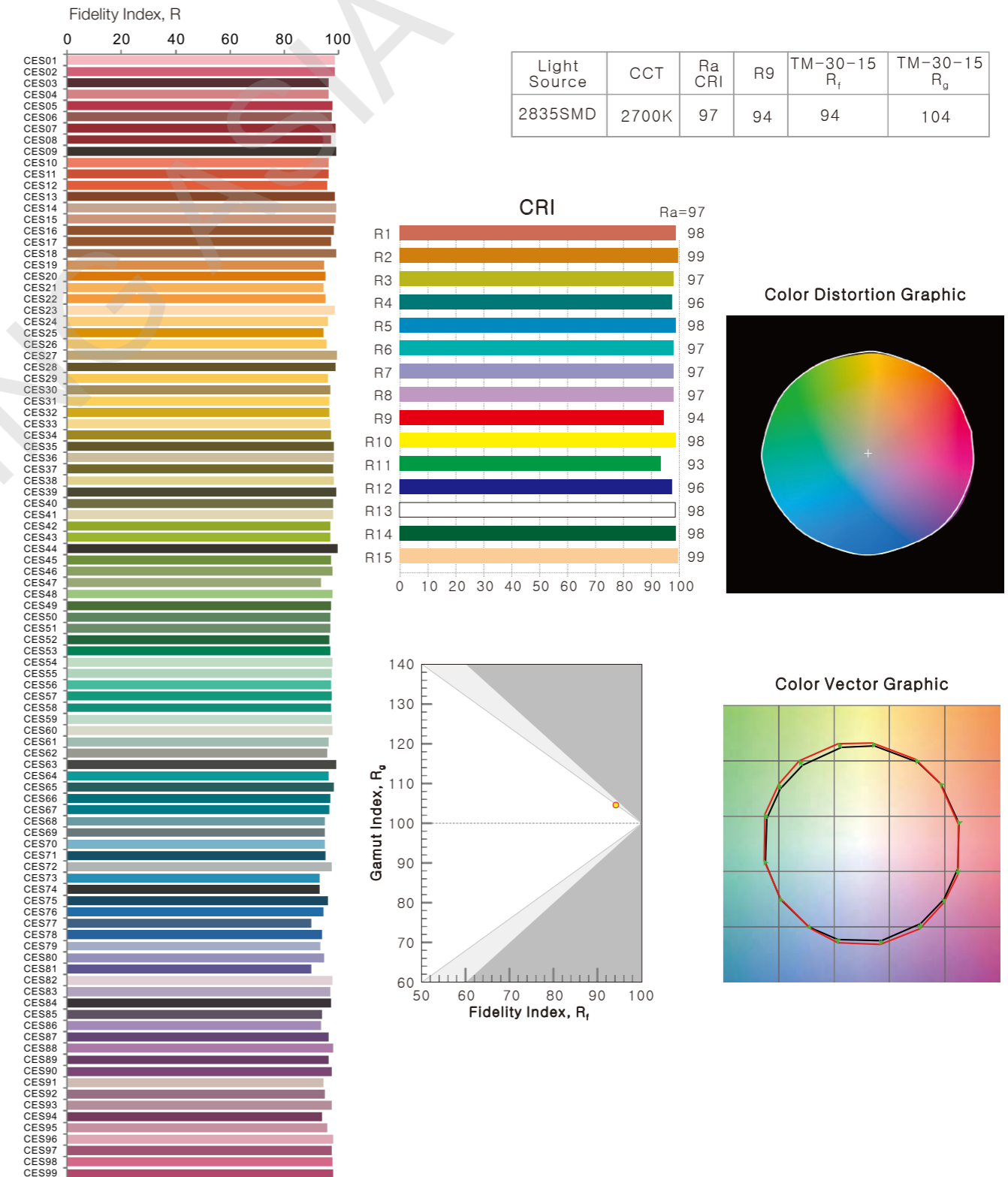- CRI90 (4000k)
- CRI80 (4000k)

R1 R2 R3 R4 R5 R6 R7 R8 R9 R10 R11 R12 R13 R14 R15

FS CRI>98, as natural as sunshine

The color rendition is as natural as sunshine with the CRI≥95 or full spectrum LEDs.

CRI>80   CRI>95   FS

Full Spectrum LED

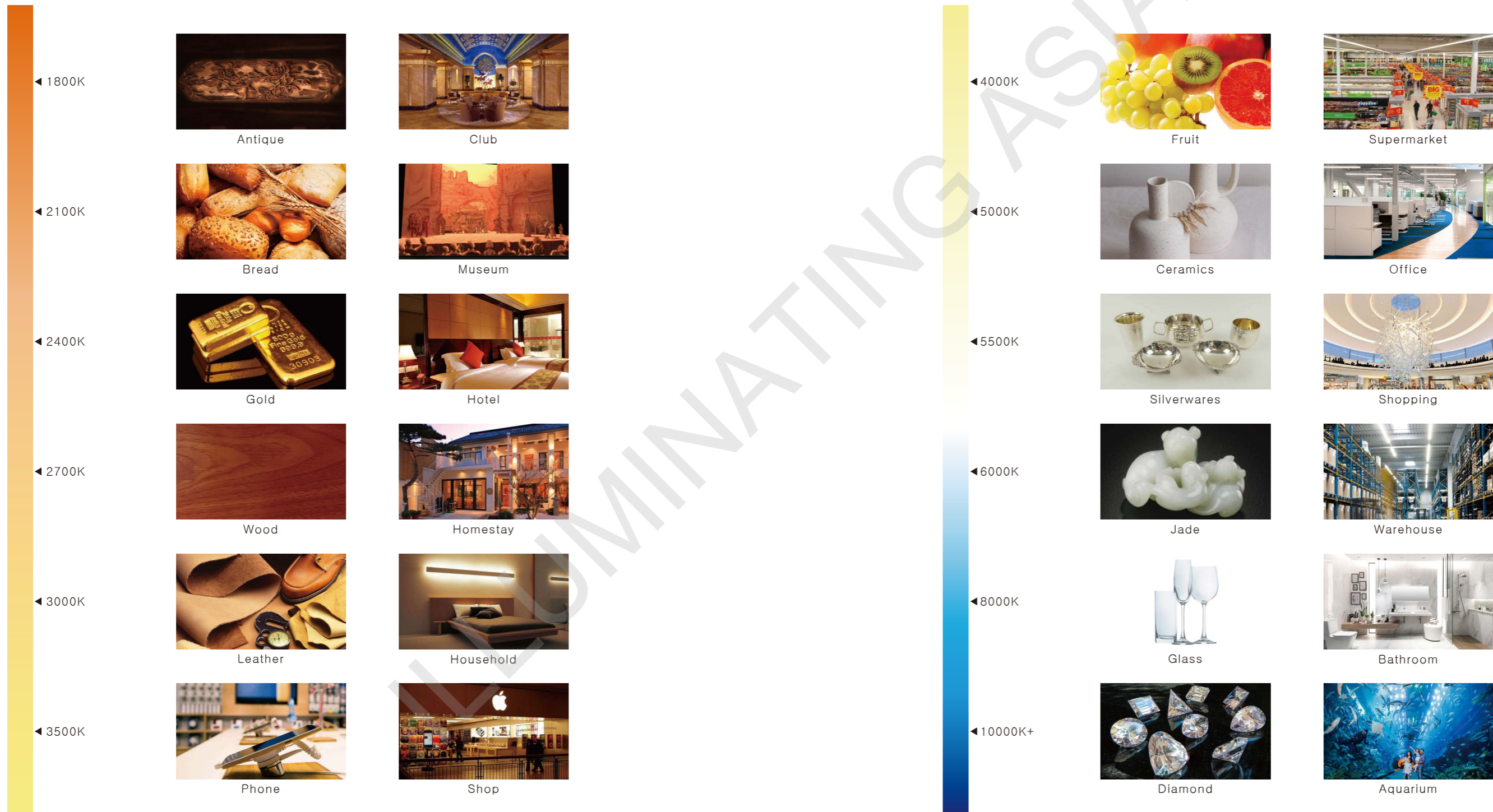**TM-30-15 Color Chart**

TM-30-15 measures against 99 colors samples, all used to provide fidelity(Rf),Gamut(Rg) and Color Vector Graphics.

Fidelity Index, R

CES01 – CES99

Color Evaluation Sample

Light Source	CCT	Ra CRI	R9	TM-30-15 R_f	TM-30-15 R_g
2835SMD	2700K	97	94	94	104

CRI   Ra=97

R1	98
R2	99
R3	97
R4	96
R5	98
R6	97
R7	97
R8	97
R9	94
R10	98
R11	93
R12	96
R13	98
R14	98
R15	99

Color Distortion Graphic

Gamut Index, R_g — Fidelity Index, R_f

Color Vector Graphic

Color Temperature

Different color temperatures for different environments make it possible
to choose appropriate light source as required

◀ 1800K

◀ 2100K

◀ 2400K

◀ 2700K

◀ 3000K

◀ 3500K

Antique

Club

Bread

Museum

Gold

Hotel

Wood

Homestay

Leather

Household

Phone

Shop

◀ 4000K

◀ 5000K

◀ 5500K

◀ 6000K

◀ 8000K

◀ 10000K+

Fruit

Supermarket

Ceramics

Office

Silverwares

Shopping

Jade

Warehouse

Glass

Bathroom

Diamond

Aquarium

Item Number

LED COLOR

W18: Warm white 1800K
W21: Warm white 2100K
W24: Warm white 2400K
W27: Warm white 2700K
W30: Warm white 3000K
W40: Nature white 4000K
W60: Day white 6000K

INPUT VOLTAGE

5: DC5V
12: DC12V
24: DC24V
36: DC36V
48: DC48V

STRIP ABB.

LY | 60 | -S | 5050 | W30- | W | 24- | IP65

LED QTY/M

LED TYPE

SMD2010
SMD2835
SMD5050
SMD3528
SMD3014
SMD5630
SMD2216
SMD2110
SMD3838
SMD020

PCB COLOR

W : White PCB
B : Black PCB
Y : Yellow PCB

IP GRADE

IP20: Bare PCB
IP52: Silicone coating
IP65: Silicone tube
IP65H: Heat Shrink Tube
IP67: Silicone filling
IP67E: Solid silicone extrusion
IP68: PU

IP Grade

IP67/IP67E

IP65/IP65H

IP68
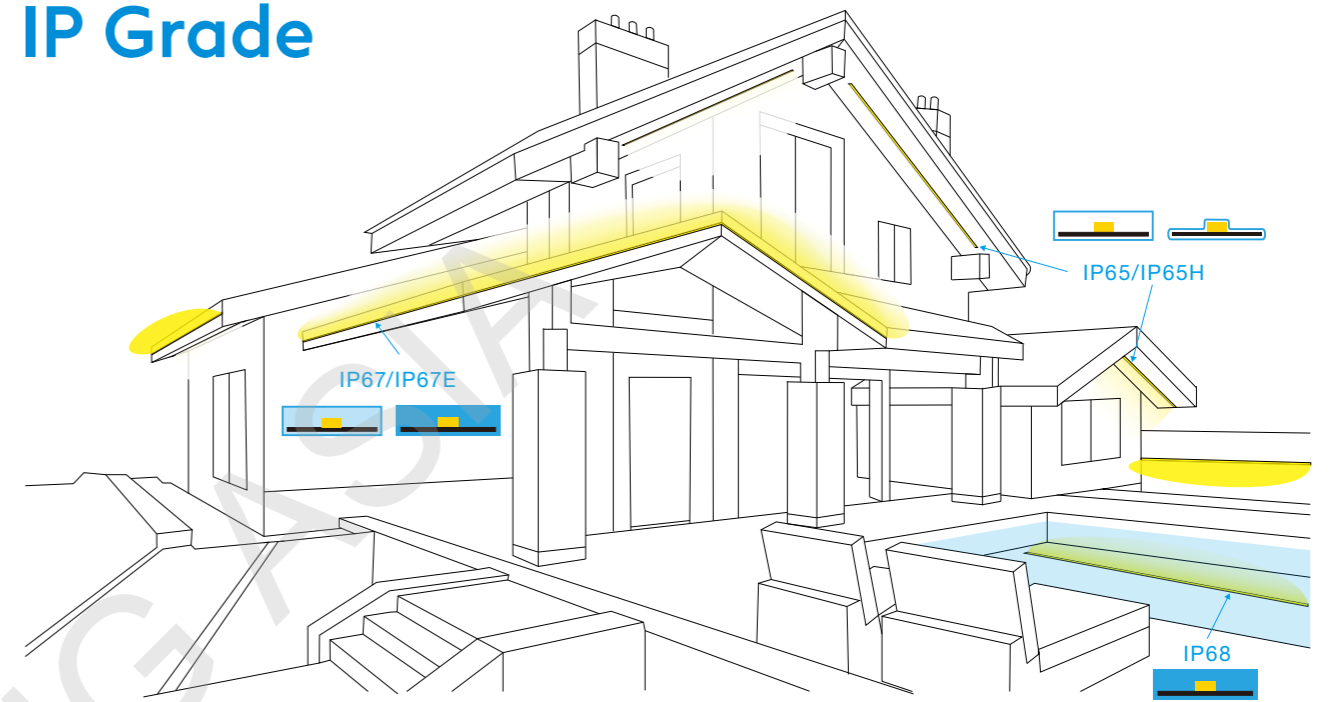
| IP Rate	Structure	Description	Application
IP20	Bare / LED strip	Non-waterproof	Indoor use
IP52	Silicone / LED strip	Silicone coating	Damp environments e.g. kitchen, bathroom
IP65H	Empty inside / Heat shrink tube / LED strip	Heat shrink tube	Semi-outdoor raining environments e.g. porch, eaves
IP65	Empty inside / Silicone tube / LED strip	Silicone tube	Semi-outdoor raining environments e.g. porch, eaves
IP67	Silicone inside / Silicone tube / LED strip	Silicone filling	Outdoor use
IP67E	Silicone extrusion / LED strip	Silicone extrusion	IP67E: Outdoor use
IP68	PU extrusion / LED strip	PU extrusion	IP68: Under water within 2 meters deep.

Customization

BIN
Available to customize one specific
BIN or various BIN
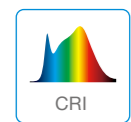
CRI
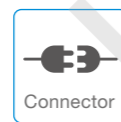Available to customize CRI range

Color
Available to customize specific color
or wavelength

Cable
Available to customize cable type or length within
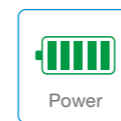the technology supporting range

Connector
Available to customize connector
for all IP grade

Label
Available to customize label

Power
Available to customize power(wattage) within the
technology supporting range

PCB
Available to customize size and thickness, also
could print with color LOGO on PCB

Length
Available to customize the length within the
technology supporting range

Reel & Bag
Available to customize reel and
anti-static bag

Packing
Available to customize the special
packaging

CONTENTS

SINGLE COLOR SERIES

Single color LED strip lights, also known as monochrome LED strip light strips, produce an energy-efficient, appealing, and long-lasting solution for under-cabinet lighting, patio/deck lighting, accent lighting, and more.

- High color consistency, 3 step Macadam
- High CRI, Ra>90
- 1800K ~ 6000K and other custom CCT available
- Red/Green/Blue/Yellow/Amber/Pink/UV available
- LM80 compatible, more than 50000 hours lifespan
- 2mm ~ 30mm PCB width available
- Different LED density from 30LEDs/m to 700LEDs/m
- Different power consumption from 2.4w/m to 30w/m
- IP20/IP52/IP65/IP67/IP68 available

2835SMD 60LEDs LED STRIP

▶ 2835 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 | LM80 Compliant | 5 YEARS WARRANTY

DIMENSIONS & WATERPROOF

100 | 8.3 | 16.7 | 8
5000
Red/black wire L=150mm, 18AWG | Unit:mm
Rmin=50mm

DC12V: 50mm | 8mm | 16.7mm
DC24V: 100mm | 8mm | 16.7mm

1.2mm 8mm IP20 | 1.5mm 8mm IP52 | 1.4mm 8.2mm IP65H | 4mm 10mm IP65 | 4mm 10mm IP67 | 4mm 10mm IP67E/IP68

PRODUCT SPECIFICATION

Dimension	5000mmx8mmx1.2mm
Chip density	60LEDs/m,16.7mm pitch
Step LEDs	6LEDs(24V)/3LEDs(12V)
Step length	100mm(24V)/50mm(12V)
Power(W)	12Watt/meter
Voltage(V)	DC24V/DC12V
Current(A/m)	0.5A(24V)/1A(12V)
Copper foil	2oz
Ambient temperature	−20°C~+50°C

POLAR CURVE (Base on IP20 CRI > 90 6000K)

90°
84.5
169.0
253.4
337.8
422.3
0°
C0/C180: — C90/C270: — C0: —

PRODUCT PHOTOMETRICS (The data base on IP20 24V)

CCT (K)	Lumen(lm/m) CRI>90|CRI>80	Efficacy(lm/w) CRI>90|CRI>80	CRI CRI>90|CRI>80	R9 CRI>90|CRI>80	Rf(Fidelity) CRI>90|CRI>80	Rg(Gamut) CRI>90|CRI>80
2100±100	840.00|1170.00	70.00|97.50	91.68|81.51	69.03|7.16	86.20|81.02	101.15|90.04
2400±100	924.12|1260.00	77.01|105.00	90.05|81.12	76.03|5.01	90.02|83.13	101.14|92.07
2700±100	978.12|1320.12	81.51|110.01	91.16|82.2	78.14|8.15	89.04|82.1	100.1|96.06
3000±100	1002.96|1380.12	83.58|115.01	91.18|82.31	79.03|6.18	90.05|81.06	102.18|92.04
4000±200	1140.12|1410.24	95.01|117.52	94.05|82.63	77.18|5.16	90.16|78.15	99.05|95.03
6000±300	1200.24|1428.12	100.02|119.01	92.17|82.13	82.06|6.11	91.15|86.01	101.03|96.12

Note: Wave length: Red 620~625nm, Green 515~525nm, Blue 465~470nm, Yellow 585~595nm, Customized CCT can be realized according to specific requirements.

Order code: LY60-S2835 W30 - W24 - IP20 → IP20/IP52/IP65H/IP65/IP67/IP67E/IP68
Voltage:W12/W24
CCT:W21/W24/W27/W30/W40/W60

2835SMD 70LEDs LED STRIP

▶ 2835 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 | LM80 Compliant | 5 YEARS WARRANTY

DIMENSIONS & WATERPROOF

100 | 7.14 | 14.28 | 10
5000
Red/black wire L=150mm, 18AWG | Unit:mm
Rmin=50mm

DC24V: 100mm | 10mm | 14.28mm

1.2mm 10mm IP20 | 1.5mm 10mm IP52 | 1.4mm 10.2mm IP65H | 4mm 12mm IP65 | 4mm 12mm IP67 | 4mm 12mm IP67E/IP68
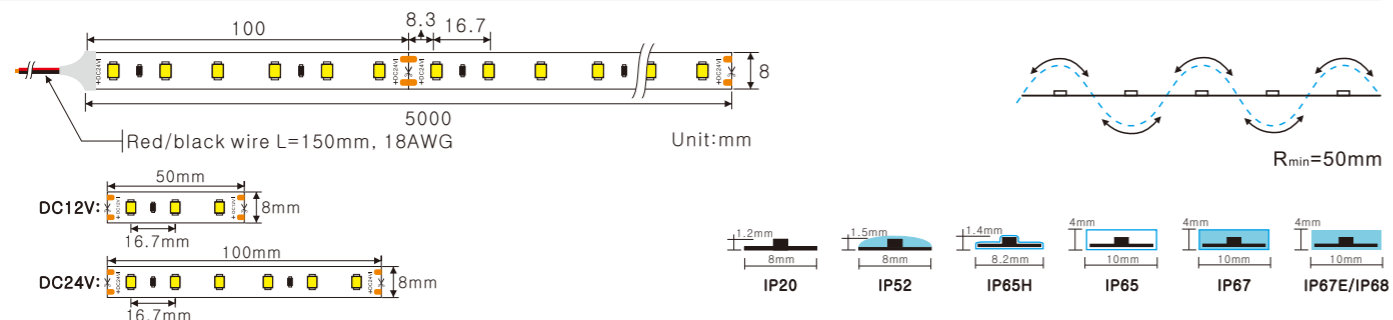
PRODUCT SPECIFICATION

Dimension	5000mmx10mmx1.2mm
Chip density	70LEDs/m,14.28mm pitch
Step LEDs	7LEDs
Step length	100mm
Power(W)	12Watt/meter
Voltage(V)	DC24V
Current(A/m)	0.5A
Copper foil	2oz
Ambient temperature	−20°C~+50°C

POLAR CURVE (Base on IP20 CRI > 90 6000K)

90°
98.6
197.1
295.6
394.1
492.7
0°
C0/C180: — C90/C270: — C0: —
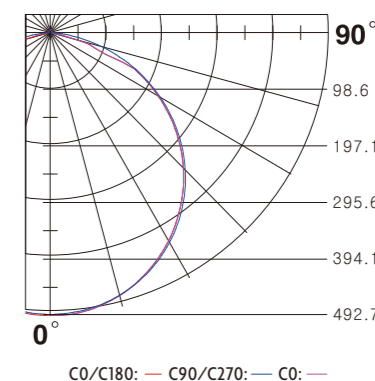
PRODUCT PHOTOMETRICS (The data base on IP20 24V)

CCT (K)	Lumen(lm/m) CRI>90|CRI>80	Efficacy(lm/w) CRI>90|CRI>80	CRI CRI>90|CRI>80	R9 CRI>90|CRI>80	Rf(Fidelity) CRI>90|CRI>80	Rg(Gamut) CRI>90|CRI>80
2100±100	980.16|1365.00	81.68|113.75	91.56|81.54	69.09|7.10	86.04|81.02	101.19|90.02
2400±100	1080.00|1470.12	90.00|122.51	90.05|81.10	76.10|5.01	90.09|83.05	101.12|92.06
2700±100	1140.12|1540.20	95.01|128.35	91.04|82.04	78.14|8.04	89.06|82.17	100.02|96.13
3000±100	1170.12|1610.04	97.51|134.17	91.02|82.30	79.06|6.11	90.20|81.12	102.03|92.04
4000±200	1330.08|1638.12	110.84|136.51	94.08|82.69	77.05|5.20	90.13|78.09	99.16|95.06
6000±300	1400.16|1652.16	116.68|137.68	92.16|82.19	82.04|6.18	91.14|86.18	101.11|96.02

Note: Wave length: Red 620~625nm, Green 515~525nm, Blue 465~470nm, Yellow 585~595nm, Customized CCT can be realized according to specific requirements.

Order code: LY70-S2835 W30 - W24 - IP20 → IP20/IP52/IP65H/IP65/IP67/IP67E/IP68
CCT:W21/W24/W27/W30/W40/W60

2835SMD 98LEDs LED STRIP

▶ 2835 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
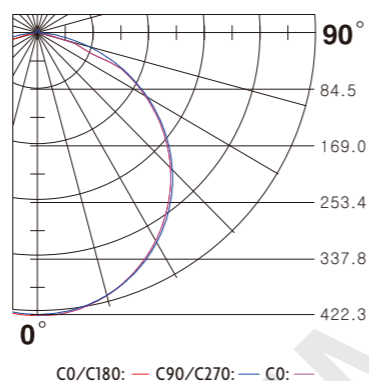▶ High quality PCB, high thermal 3M adhesive
▶ Provide 1BIN delivery

2100K 2400K 2700K 3000K 4000K 6000K | R | G | B | Y | CRI >90

One Bin | Dimmable | 120° Beam angle | Cuttable | 5m/Reel | 50000 hours Lifetime | LM80 Compliant | 5 YEARS WARRANTY

DIMENSIONS & WATERPROOF

71.42 5.1 10.2
5000
8
Red/black wire L=150mm, 18AWG   Unit:mm

Rmin=50mm

DC24V: 71.42mm 8mm 10.2mm

1.2mm IP20 8mm | 1.5mm IP52 8mm | 1.4mm IP65H 8.2mm | 4mm IP65 10mm | 4mm IP67 10mm | 4mm IP67E/IP68 10mm

PRODUCT SPECIFICATION

Dimension	5000mmx8mmx1.2mm
Chip density	98LEDs/m,10.2mm pitch
Step LEDs	7LEDs
Step length	71.42mm
Power(W)	16.8Watt/meter
Voltage(V)	DC24V
Current(A/m)	0.7A
Copper foil	2oz
Ambient temperature	−20°C~+50°C

POLAR CURVE (Base on IP20 CRI > 90 6000K)

90°
137.1
274.3
411.3
548.4
685.5
0°
C0/C180: — C90/C270: — C0: —

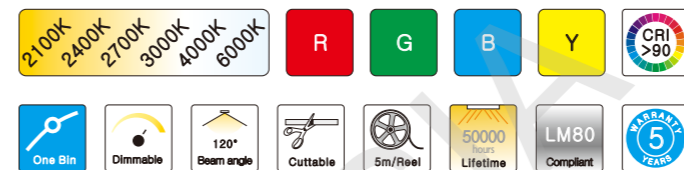## PRODUCT PHOTOMETRICS (The data base on IP20 24V)

CCT (K)	Lumen(lm/m) CRI>90	CRI>80	Efficacy(lm/w) CRI>90	CRI>80	CRI CRI>90	CRI>80	R9 CRI>90	CRI>80	Rf(Fidelity) CRI>90	CRI>80	Rg(Gamut) CRI>90	CRI>80
2100±100	1420.01	1906.80	84.52	113.5	91.59	81.65	69.05	7.14	86.06	81.10	101.10	90.08
2400±100	1512.10	2058	90.01	122.5	90.05	81.06	76.11	5.04	90.14	83.19	101.05	92.19
2700±100	1596.12	2150.40	95.01	128	91.04	82.13	78.10	8.09	89.17	82.13	100.14	96.03
3000±100	1638.15	2251.20	97.51	134	91.01	82.34	79.02	6.07	90.02	81.18	102.18	92.17
4000±200	1860.19	2284.80	110.73	136	94.02	82.54	77.17	5.20	90.04	78.03	99.20	95.09
6000±300	1948.16	2301.60	115.96	137	92.16	82.01	82.13	6.02	91.04	86.11	101.09	96.07

Note: Wave length: Red 620~625nm, Green 515~525nm, Blue 465~470nm, Yellow 585~595nm, Customized CCT can be realized according to specific requirements.
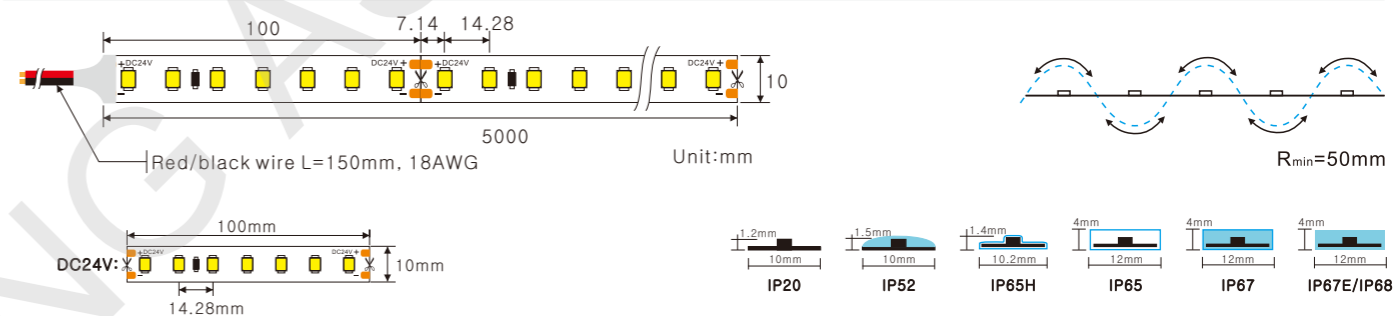
Order code: LY98−S2835 W30 − W24 − IP20 → IP20/IP52/IP65H/IP65/IP67/IP67E/IP68
CCT:W21/W24/W27/W30/W40/W60

2835SMD 120LEDs LED STRIP

▶ 2835 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
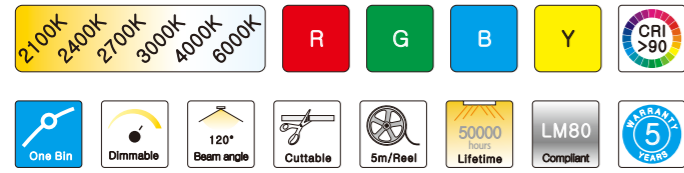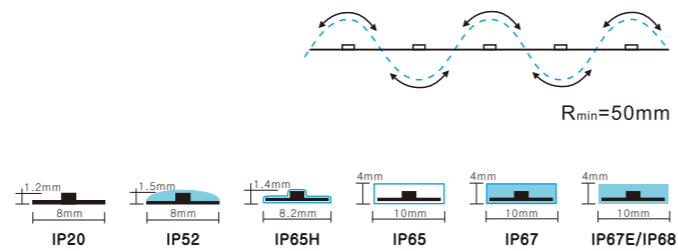▶ High quality PCB, high thermal 3M adhesive
▶ Provide 1BIN delivery

2100K 2400K 2700K 3000K 4000K 6000K | R | G | B | Y | CRI >90

One Bin | Dimmable | 120° Beam angle | Cuttable | 5m/Reel | 50000 hours Lifetime | LM80 Compliant | 5 YEARS WARRANTY

DIMENSIONS & WATERPROOF

50 4.15 8.3
5000
10
Red/black wire L=150mm, 18AWG   Unit:mm

DC12V: 25mm 10mm 8.3mm

DC24V: 50mm 8.3mm 10mm

Rmin=50mm

1.2mm IP20 10mm | 1.5mm IP52 10mm | 1.4mm IP65H 10.2mm | 4mm IP65 12mm | 4mm IP67 12mm | 4mm IP67E/IP68 12mm

PRODUCT SPECIFICATION

Dimension	5000mmx10mmx1.2mm
Chip density	120LEDs/m,8.3mm pitch
Step LEDs	6LEDs(24V)/3LEDs(12V)
Step length	50mm(24V)/25mm(12V)
Power(W)	24Watt/meter
Voltage(V)	DC24V/DC12V
Current(A/m)	1A(24V)/2A(12V)
Copper foil	2oz
Ambient temperature	−20°C~+50°C

POLAR CURVE (Base on IP20 CRI > 90 6000K)

90°
169.0
337.9
506.7
675.6
844.6
0°
C0/C180: — C90/C270: — C0: —

PRODUCT PHOTOMETRICS (The data base on IP20 24V)

CCT (K)	Lumen(lm/m) CRI>90	CRI>80	Efficacy(lm/w) CRI>90	CRI>80	CRI CRI>90	CRI>80	R9 CRI>90	CRI>80	Rf(Fidelity) CRI>90	CRI>80	Rg(Gamut) CRI>90	CRI>80
2100±100	1680.04	2340.17	70.00	97.51	91.62	81.67	69.18	7.20	86.08	81.09	101.10	90.16
2400±100	1848.07	2520.10	77.00	105.00	90.08	81.09	76.10	5.08	90.14	83.15	101.03	92.03
2700±100	1956.02	2640.07	81.50	110.00	91.13	82.04	78.10	8.18	89.09	82.18	100.06	96.15
3000±100	2006.01	2760.05	83.58	115.00	91.16	82.26	79.15	6.13	90.14	81.08	102.08	92.20
4000±200	2280.20	2820.07	95.01	117.50	94.10	82.68	77.14	5.08	90.17	78.06	99.11	95.14
6000±300	2400.14	2856.05	100.01	119.00	92.10	82.18	82.20	6.02	91.07	86.10	101.11	96.11

Note: Wave length: Red 620~625nm, Green 515~525nm, Blue 465~470nm, Yellow 585~595nm, Customized CCT can be realized according to specific requirements.
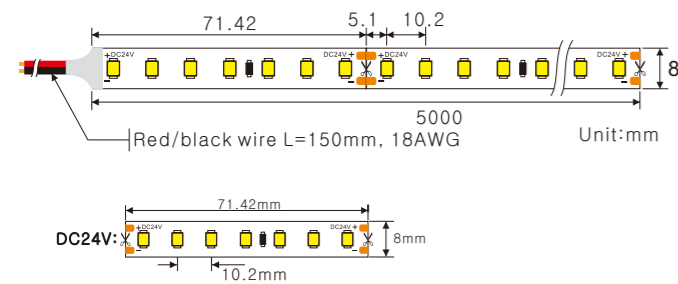
Order code: LY120−S2835 W30 − W24 − IP20 → IP20/IP52/IP65H/IP65/IP67/IP67E/IP68
Voltage:W12/W24
CCT:W21/W24/W27/W30/W40/W60

2835SMD 140LEDs LED STRIP

▸ 2835 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
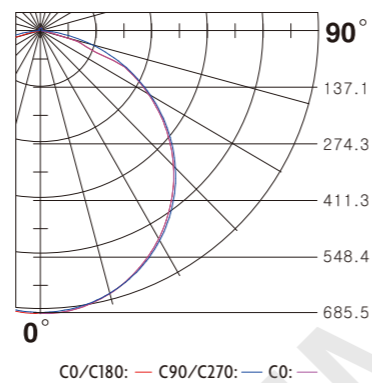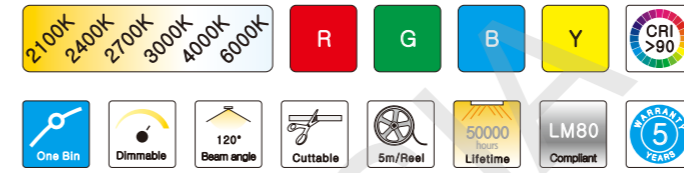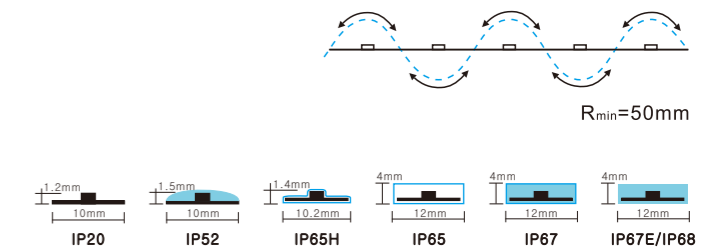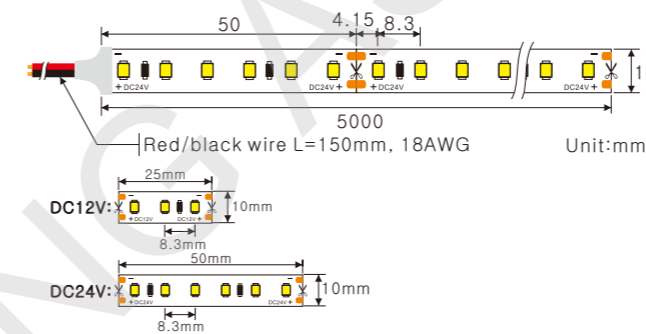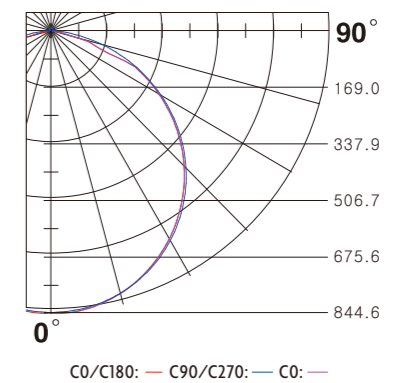▸ High quality PCB, high thermal 3M adhesive
▸ Provide 1BIN delivery

| 2100K 2400K 2700K 3000K 4000K 6000K | R | G | B | Y | CRI >90 |

One Bin | Dimmable | 120° Beam angle | Cuttable | 5m/Reel | 50000 hours Lifetime | LM80 Compliant | 5 YEARS WARRANTY

DIMENSIONS & WATERPROOF

50 | 3.57 | 7.14 | 10
5000
Red/black wire L=150mm, 18AWG
Unit:mm
R min=50mm

DC24V: 50mm / 7.14mm / 10mm

IP20 (1.2mm/10mm) | IP52 (1.5mm/10mm) | IP65H (1.4mm/10.2mm) | IP65 (4mm/12mm) | IP67 (4mm/12mm) | IP67E/IP68 (4mm/12mm)
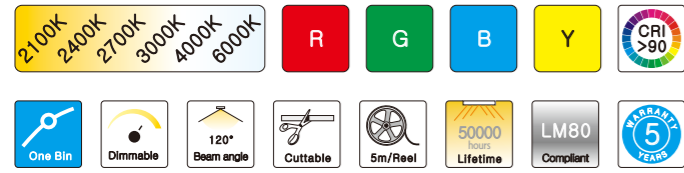
PRODUCT SPECIFICATION

Dimension	5000mmx10mmx1.2mm
Chip density	140LEDs/m,7.14mm pitch
Step LEDs	7LEDs
Step length	50mm
Power(W)	24Watt/meter
Voltage(V)	DC24V
Current(A/m)	1A(24V)
Copper foil	2oz
Ambient temperature	−20°C~+50°C

POLAR CURVE (Base on IP20 CRI > 90 6000K)

90°
197.1
394.2
591.1
788.2
985.4
0°
C0/C180: — C90/C270: — C0: —
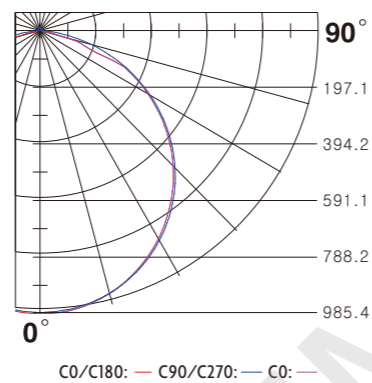
PRODUCT PHOTOMETRICS (The data base on IP20 24V)

CCT (K)	Lumen(lm/m) CRI>90 | CRI>80	Efficacy(lm/w) CRI>90 | CRI>80	CRI CRI>90 | CRI>80	R9 CRI>90 | CRI>80	Rf(Fidelity) CRI>90 | CRI>80	Rg(Gamut) CRI>90 | CRI>80
2100±100	1960.07 | 2730.11	81.67 | 113.75	91.51 | 81.63	69.03 | 7.01	86.01 | 81.05	101.13 | 90.18
2400±100	2160.03 | 2940.05	90.00 | 122.50	90.03 | 81.12	76.04 | 5.14	90.18 | 83.11	101.17 | 92.20
2700±100	2280.11 | 3080.19	95.00 | 128.34	91.18 | 82.14	78.04 | 8.05	89.06 | 82.04	100.11 | 96.18
3000±100	2340.01 | 3220.01	97.50 | 134.17	91.06 | 82.31	79.09 | 6.18	90.14 | 81.04	102.15 | 92.08
4000±200	2660.01 | 3276.04	110.83 | 136.50	94.15 | 82.66	77.13 | 5.17	90.07 | 78.01	99.04 | 95.09
6000±300	2800.20 | 3288.06	116.68 | 137.00	92.14 | 82.01	82.16 | 6.06	91.04 | 86.11	101.19 | 96.20

Note: Wave length: Red 620~625nm, Green 515~525nm, Blue 465~470nm, Yellow 585~595nm, Customized CCT can be realized according to specific requirements.
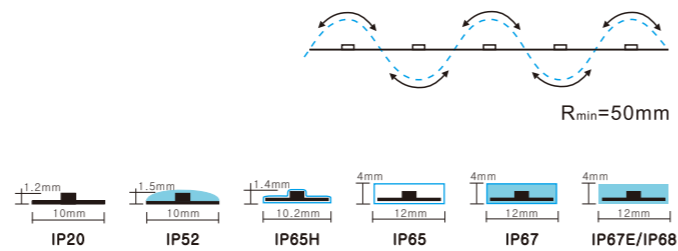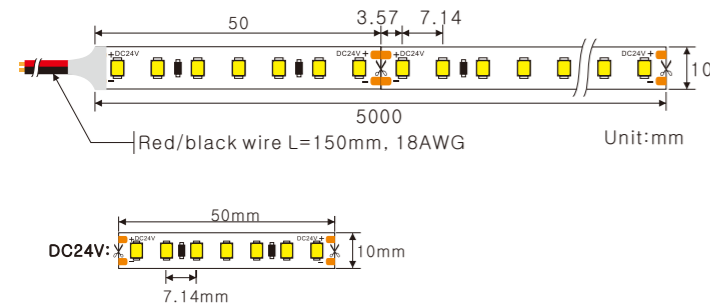
Order code: LY140−S2835 W30 −W24− IP20 → IP20/IP52/IP65H/IP65/IP67/IP67E/IP68
CCT:W21/W24/W27/W30/W40/W60

2835SMD 180LEDs LED STRIP

▸ 2835 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 | LM80 Compliant | 5 YEARS WARRANTY

DIMENSIONS & WATERPROOF

33.3 | 2.78 | 5.55 | 10
5000
Red/black wire L=150mm, 18AWG
Unit:mm
R min=50mm

DC24V: 33.3mm / 5.55mm / 10mm

IP20 (1.2mm/10mm) | IP52 (1.5mm/10mm) | IP65H (1.4mm/10.2mm) | IP65 (4mm/12mm) | IP67 (4mm/12mm) | IP67E/IP68 (4mm/12mm)
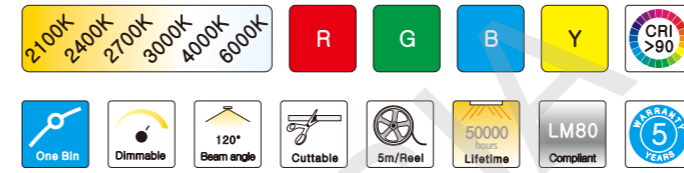
PRODUCT SPECIFICATION

Dimension	5000mmx10mmx1.2mm
Chip density	180LEDs/m,5.55mm pitch
Step LEDs	6LEDs
Step length	33.3mm
Power(W)	24Watt/meter
Voltage(V)	DC24V
Current(A/m)	1A
Copper foil	2oz
Ambient temperature	−20°C~+50°C

POLAR CURVE (Base on IP20 CRI > 90 6000K)

90°
172.3
344.7
516.8
689.1
861.4
0°
C0/C180: — C90/C270: — C0: —
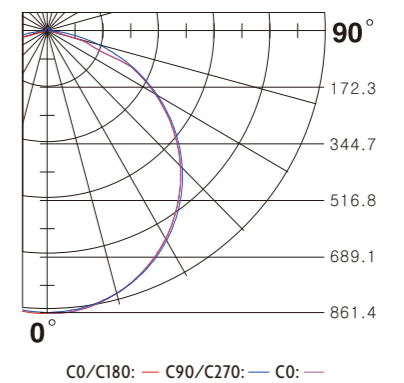
PRODUCT PHOTOMETRICS (The data base on IP20 24V)

CCT (K)	Lumen(lm/m) CRI>90 | CRI>80	Efficacy(lm/w) CRI>90 | CRI>80	CRI CRI>90 | CRI>80	R9 CRI>90 | CRI>80	Rf(Fidelity) CRI>90 | CRI>80	Rg(Gamut) CRI>90 | CRI>80
2100±100	1716.07 | 2388.04	71.50 | 99.50	91.69 | 81.61	69.04 | 7.11	86.20 | 81.18	101.18 | 90.19
2400±100	1886.03 | 2568.04	78.58 | 107.00	90.02 | 81.05	76.17 | 5.06	90.13 | 83.19	101.14 | 92.06
2700±100	2080.01 | 2695.01	86.67 | 112.29	91.13 | 82.19	78.07 | 8.13	89.11 | 82.10	100.20 | 96.20
3000±100	2040.08 | 2817.19	85.00 | 117.38	91.07 | 82.21	79.11 | 6.20	90.07 | 81.10	102.06 | 92.02
4000±200	2328.05 | 2880.03	97.00 | 120.00	94.10 | 82.58	77.17 | 5.10	90.10 | 78.18	99.03 | 95.19
6000±300	2448.04 | 2916.08	102.00 | 121.50	92.03 | 82.14	82.11 | 6.18	91.20 | 86.03	101.12 | 96.17

Note: Wave length: Red 620~625nm, Green 515~525nm, Blue 465~470nm, Yellow 585~595nm, Customized CCT can be realized according to specific requirements.
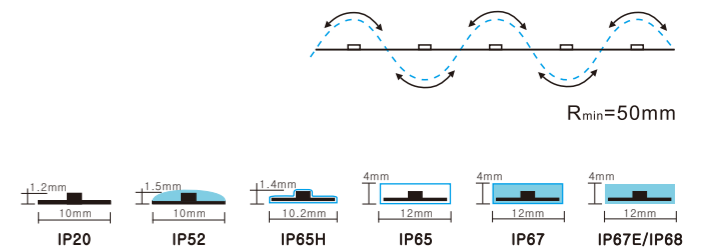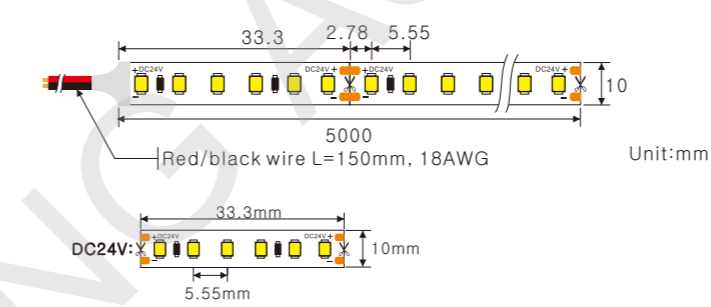
Order code: LY180−S2835 W30 −W24− IP20 → IP20/IP52/IP65H/IP65/IP67/IP67E/IP68
CCT:W21/W24/W27/W30/W40/W60

2835SMD 240LEDs LED STRIP

- 2835 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 | LM80 Compliant | 5 YEARS WARRANTY

DIMENSIONS & WATERPROOF

25   2.1   4.2
DC24V DC24V DC24V DC24V
5000
10
Red/black wire L=150mm, 18AWG   Unit:mm

DC24V: 25mm / 10mm / 4.2mm

Rmin=50mm

IP20 IP52 IP65H IP65 IP67 IP67E/IP68
1.2mm/10mm 1.5mm/10mm 1.4mm/10.2mm 4mm/12mm 4mm/12mm 4mm/12mm

PRODUCT SPECIFICATION

Dimension	5000mmx10mmx1.2mm
Chip density	240LEDs/m,4.2mm pitch
Step LEDs	6LEDs
Step length	25mm
Power(W)	24Watt/meter
Voltage(V)	DC24V
Current(A/m)	1A
Copper foil	2oz
Ambient temperature	−20°C~+50°C

POLAR CURVE (Base on IP20 CRI > 90 6000K)

90°
179.5
359.0
538.3
717.9
897.4
0°

C0/C180: — C90/C270: — C0: —
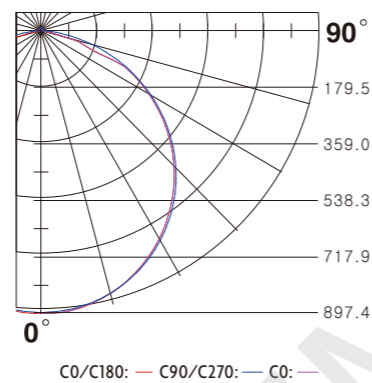
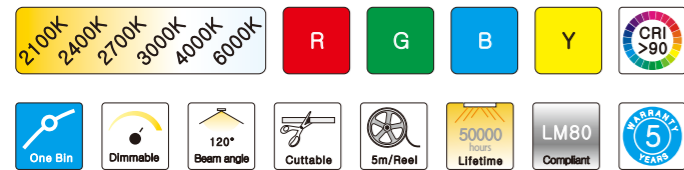## PRODUCT PHOTOMETRICS (The data base on IP20 24V)

CCT (K)	Lumen(lm/m) CRI>90	CRI>80	Efficacy(lm/w) CRI>90	CRI>80	CRI CRI>90	CRI>80	R9 CRI>90	CRI>80	Rf(Fidelity) CRI>90	CRI>80	Rg(Gamut) CRI>90	CRI>80
2100±100	1785.02	2484.05	74.38	103.50	91.56	81.65	69.18	7.17	86.04	81.03	101.06	90.02
2400±100	1960.14	2784.13	81.67	116.01	90.08	81.09	76.05	5.06	90.09	83.13	101.18	92.20
2700±100	2076.08	2808.06	86.50	117.00	91.05	82.10	78.09	8.03	89.06	82.11	100.12	96.02
3000±100	2128.18	2928.04	88.67	122.00	91.10	82.36	79.02	6.08	90.03	81.07	102.18	92.03
4000±200	2424.06	3000.14	101.00	125.01	94.12	82.53	77.08	5.07	90.07	78.08	99.13	95.10
6000±300	2550.16	3036.10	106.26	126.50	92.14	82.08	82.10	6.08	91.09	86.13	101.14	96.04

Note: Wave length: Red 620~625nm, Green 515~525nm, Blue 465~470nm, Yellow 585~595nm, Customized CCT can be realized according to specific requirements.
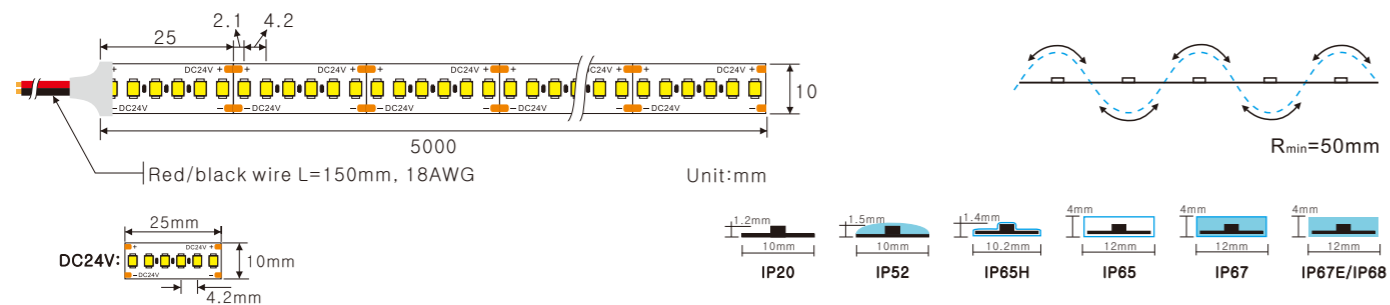
Order code: LY240-S2835W30-W24-IP20 → IP20/IP52/IP65H/IP65/IP67/IP67E/IP68
CCT:W21/W24/W27/W30/W40/W60

2835SMD 280LEDs LED STRIP

- 2835 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 | LM80 Compliant | 5 YEARS WARRANTY

DIMENSIONS & WATERPROOF

50   3.57   7.14
15
5000
Red/black wire L=150mm, 18AWG   Unit:mm

50mm
DC24V: / 15mm
7.14mm

Rmin=50mm

IP20 IP52 IP65H IP65 IP67 IP67E/IP68
1.2mm/15mm 1.5mm/15mm 1.4mm/15.2mm 4mm/17mm 4mm/17mm 4mm/17mm

PRODUCT SPECIFICATION

Dimension	5000mmx15mmx1.2mm
Chip density	280LEDs/m,7.14mm pitch
Step LEDs	14LEDs
Step length	50mm
Power(W)	24Watt/meter
Voltage(V)	DC24V
Current(A/m)	1A
Copper foil	2oz
Ambient temperature	−20°C~+50°C

POLAR CURVE (Base on IP20 CRI > 90 6000K)

90°
201.1
402.1
602.9
804.0
1005.0
0°

C0/C180: — C90/C270: — C0: —
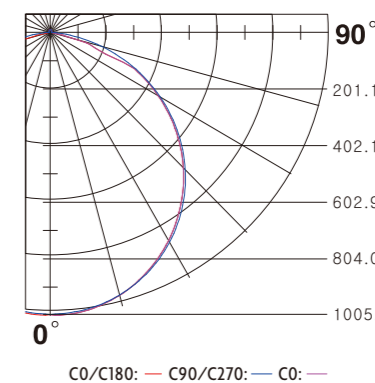
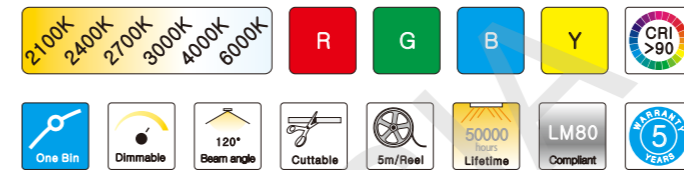## PRODUCT PHOTOMETRICS (The data base on IP20 24V)

CCT (K)	Lumen(lm/m) CRI>90	CRI>80	Efficacy(lm/w) CRI>90	CRI>80	CRI CRI>90	CRI>80	R9 CRI>90	CRI>80	Rf(Fidelity) CRI>90	CRI>80	Rg(Gamut) CRI>90	CRI>80
2100±100	1992.04	2784.02	83.00	116.00	91.56	81.70	69.04	7.10	86.09	81.13	101.09	90.05
2400±100	2196.19	3000.15	91.51	125.01	90.08	81.19	76.15	5.02	90.19	83.01	101.17	92.12
2700±100	2328.18	3144.05	97.01	131.00	91.14	82.03	78.05	8.16	89.07	82.15	100.15	96.09
3000±100	2376.05	3283.18	99.00	136.80	91.14	82.30	79.13	6.05	90.04	81.12	102.17	92.09
4000±200	2712.03	3360.13	113.00	140.01	94.17	82.58	77.17	5.02	90.16	78.09	99.04	95.17
6000±300	2856.07	3400.18	119.00	141.67	92.14	82.13	82.20	6.18	91.17	86.20	101.03	96.16

Note: Wave length: Red 620~625nm, Green 515~525nm, Blue 465~470nm, Yellow 585~595nm, Customized CCT can be realized according to specific requirements.
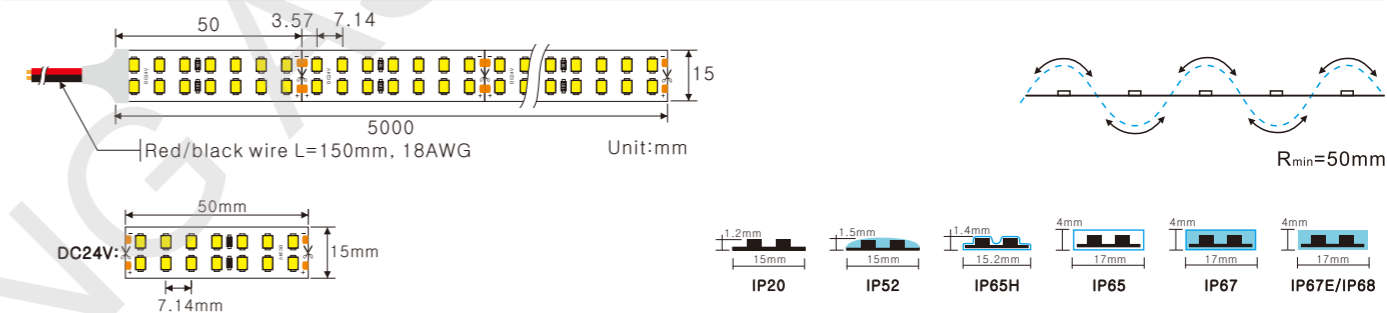
Order code: LY280-S2835W30-W24-IP20 → IP20/IP52/IP65H/IP65/IP67/IP67E/IP68
CCT:W21/W24/W27/W30/W40/W60

5050SMD 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 | CRI >90 |

One Bin | Dimmable | 120° Beam angle | Cuttable | 5m/Reel | 50000 hours Lifetime | LM80 Compliant | 5 WARRANTY YEARS

DIMENSIONS & WATERPROOF

100   8.3 16.7   10
5000
Red/black wire L=150mm, 18AWG   Unit:mm   Rmin=50mm

DC12V: 50mm / 10mm / 16.7mm / 100mm
DC24V: 16.7mm / 10mm

2mm 10mm IP20 | 2.3mm 10mm IP52 | 2.2mm 10.2mm IP65H | 4mm 12mm IP65 | 4mm 12mm IP67 | 4mm 12mm IP67E/IP68

PRODUCT SPECIFICATION

Dimension	5000mmx10mmx2mm
Chip density	60LEDs/m,16.7mm pitch
Step LEDs	6LEDs(24V)/3LEDs(12V)
Step length	100mm(24V)/50mm(12V)
Power(W)	14.4Watt/meter
Voltage(V)	DC24V/DC12V
Current(A/m)	0.6A(24V)/1.2A(12V)
Copper foil	2oz
Ambient temperature	−20°C~+50°C

POLAR CURVE (Base on IP20 CRI>90 6000K)

90°
77.8
155.7
233.5
311.4
389.2
0°
C0/C180: — C90/C270: — C0: —

PRODUCT PHOTOMETRICS (The data base on IP20 24V)

CCT (K)	Lumen(lm/m) CRI>90 | CRI>80	Efficacy(lm/w) CRI>90 | CRI>80	CRI CRI>90 | CRI>80	R9 CRI>90 | CRI>80	Rf(Fidelity) CRI>90 | CRI>80	Rg(Gamut) CRI>90 | CRI>80
2100±100	777.01 | 1065.07	53.96 | 73.96	91.10 | 81.50	75.15 | 4.17	89.03 | 80.07	101.03 | 98.14
2400±100	1008.17 | 1296.20	70.01 | 90.01	91.57 | 81.65	73.06 | 3.70	90.07 | 82.08	100.12 | 96.14
2700±100	1080.03 | 1418.20	75.00 | 98.49	92.69 | 82.06	78.09 | 5.04	91.18 | 81.07	102.11 | 98.10
3000±100	1137.11 | 1468.14	78.97 | 101.95	92.02 | 82.53	72.14 | 4.55	88.02 | 82.04	101.07 | 95.15
4000±200	1195.10 | 1497.04	82.99 | 103.96	91.44 | 82.08	75.03 | 3.68	90.10 | 81.49	101.05 | 91.08
6000±300	1235.03 | 1540.12	85.77 | 106.95	92.36 | 83.14	76.05 | 6.19	89.03 | 82.20	100.01 | 96.10

Note: Wave length: Red 620~625nm, Green 515~525nm, Blue 465~470nm, Yellow 585~595nm, Customized CCT can be realized according to specific requirements.
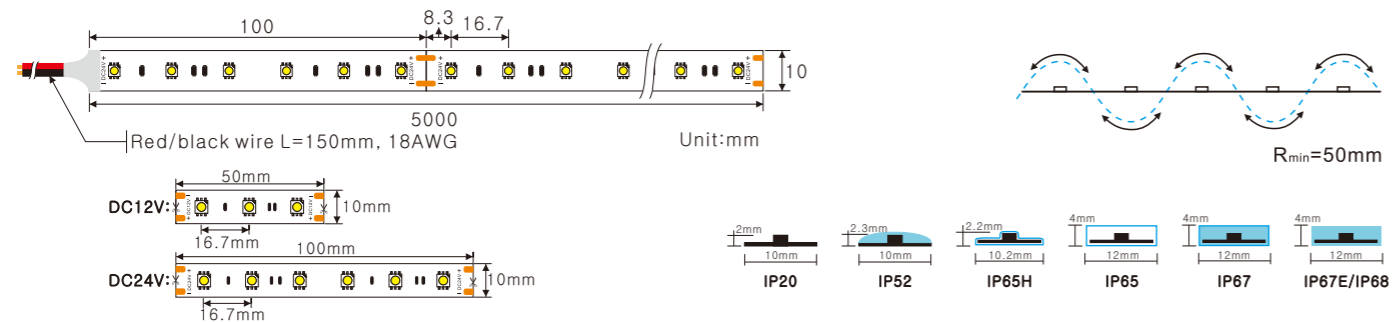
Order code: LY60-S5050 W30 – W24 – IP20 → IP20/IP52/IP65H/IP65/IP67/IP67E/IP68
Voltage:W12/W24
CCT:W21/W24/W27/W30/W40/W60

5050SMD 96LEDs 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

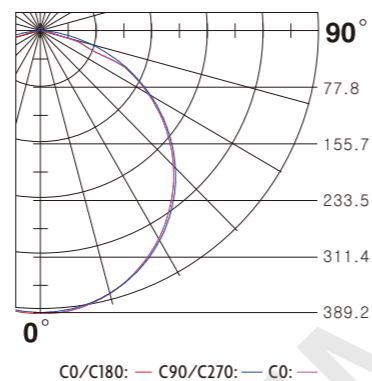| 2100K | 2400K | 2700K | 3000K | 4000K | 6000K | R | G | B | Y | CRI >90 |

One Bin | Dimmable | 120° Beam angle | Cuttable | 5m/Reel | 50000 hours Lifetime | LM80 Compliant | 5 WARRANTY YEARS

DIMENSIONS & WATERPROOF

62.5 5.21 10.42   12
5000
Red/black wire L=150mm, 18AWG   Unit:mm   Rmin=50mm

DC24V: 62.5mm / 12mm / 10.42mm

2mm 12mm IP20 | 2.3mm 12mm IP52 | 2.2mm 12.2mm IP65H | 4mm 14mm IP65 | 4mm 14mm IP67 | 4mm 14mm IP67E/IP68

PRODUCT SPECIFICATION

Dimension	5000mmx12mmx2mm
Chip density	96LEDs/m,10.42mm pitch
Step LEDs	6LEDs
Step length	62.5mm
Power(W)	19.2Watt/meter
Voltage(V)	DC24V
Current(A/m)	0.8A
Copper foil	2oz
Ambient temperature	−20°C~+50°C

POLAR CURVE (Base on IP20 CRI>90 6000K)

90°
117.6
235.1
352.6
470.1
587.7
0°
C0/C180: — C90/C270: — C0: —

PRODUCT PHOTOMETRICS (The data base on IP20 24V)

CCT (K)	Lumen(lm/m) CRI>90 | CRI>80	Efficacy(lm/w) CRI>90 | CRI>80	CRI CRI>90 | CRI>80	R9 CRI>90 | CRI>80	Rf(Fidelity) CRI>90 | CRI>80	Rg(Gamut) CRI>90 | CRI>80
2100±100	1056.05 | 1440.09	55.00 | 75.00	91.16 | 81.34	75.11 | 4.15	89.16 | 80.06	101.17 | 98.06
2400±100	1362.02 | 1748.04	70.94 | 91.04	91.65 | 81.76	73.04 | 3.64	90.17 | 82.15	100.17 | 96.05
2700±100	1459.01 | 1910.13	75.99 | 99.49	92.74 | 82.13	78.10 | 5.14	91.08 | 81.02	102.18 | 98.17
3000±100	1536.13 | 1977.20	80.01 | 102.98	92.09 | 82.66	72.19 | 4.70	88.10 | 82.20	101.08 | 95.14
4000±200	1612.19 | 2016.09	83.97 | 105.00	91.58 | 82.09	75.13 | 3.67	90.01 | 81.31	101.13 | 91.01
6000±300	1670.09 | 2073.17	86.98 | 107.98	92.24 | 83.09	76.07 | 6.17	89.19 | 82.17	100.03 | 96.04

Note: Wave length: Red 620~625nm, Green 515~525nm, Blue 465~470nm, Yellow 585~595nm, Customized CCT can be realized according to specific requirements.
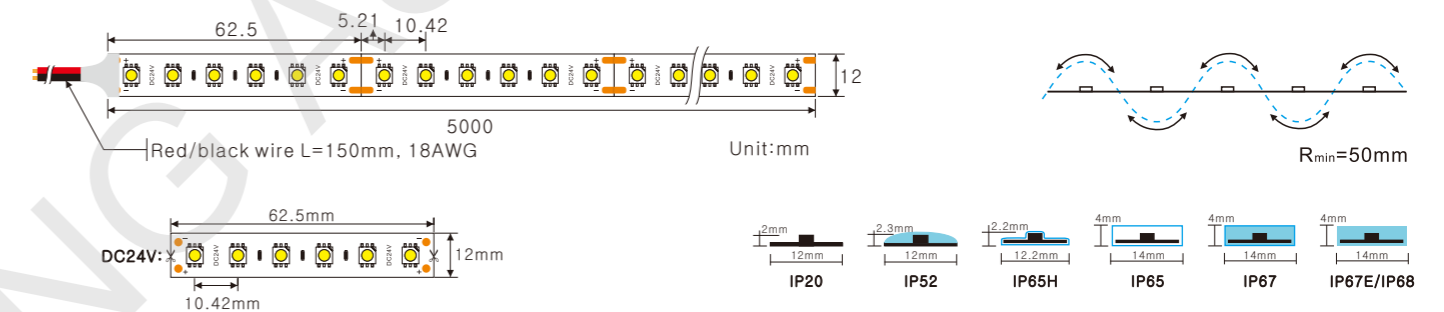
Order code: LY96-S5050 W30 – W24 – IP20 → IP20/IP52/IP65H/IP65/IP67/IP67E/IP68
CCT:W21/W24/W27/W30/W40/W60

3528SMD 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
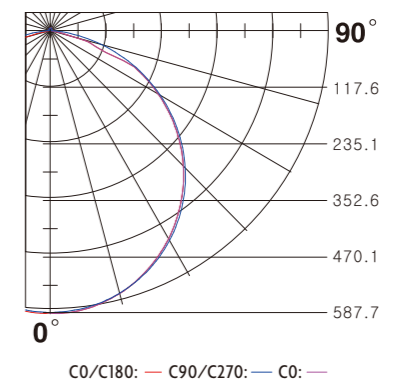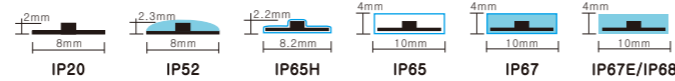▸ High quality PCB, high thermal 3M adhesive
▸ Provide 1BIN delivery

| 2100K | 2400K | 2700K | 3000K | 4000K | 6000K | R | G | B | Y | CRI >90 |

One Bin | Dimmable | 120° Beam angle | Cuttable | 5m/Reel | 50000 hours Lifetime | LM80 Compliant | 5 YEARS WARRANTY

DIMENSIONS & WATERPROOF

50   4.15 | 8.3   8

◀ DC24V+   DC24V+   DC24V+   ▶
5000
Red/black wire L=150mm, 18AWG   Unit:mm

R min=50mm

DC12V:
25mm | 8mm
8.3mm
50mm

DC24V:
8mm
8.3mm

| 2mm 8mm IP20 | 2.3mm 8mm IP52 | 2.2mm 8.2mm IP65H | 4mm 10mm IP65 | 4mm 10mm IP67 | 4mm 10mm IP67E/IP68 |
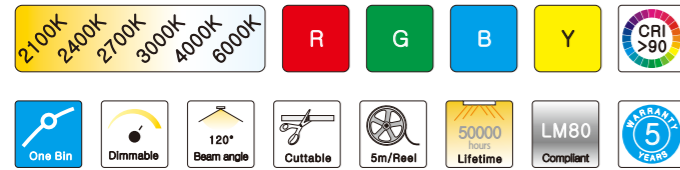
PRODUCT SPECIFICATION

Dimension	5000mmx8mmx2mm
Chip density	120LEDs/m,8.3mm pitch
Step LEDs	6LEDs(24V)/3LEDs(12V)
Step length	50mm(24V)/25mm(12V)
Power(W)	9.6Watt/meter
Voltage(V)	DC24V/DC12V
Current(A/m)	0.4A(24V)/0.8A(12V)
Copper foil	2oz
Ambient temperature	−20°C~+50°C
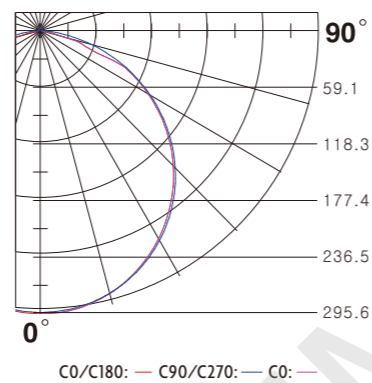
POLAR CURVE (Base on IP20 CRI>90 6000K)

90°
59.1
118.3
177.4
236.5
295.6
0°

C0/C180: — C90/C270: — C0: —

PRODUCT PHOTOMETRICS (The data base on IP20 24V)

CCT (K)	Lumen(lm/m) CRI>90	CRI>80	Efficacy(lm/w) CRI>90	CRI>80	CRI CRI>90	CRI>80	R9 CRI>90	CRI>80	Rf(Fidelity) CRI>90	CRI>80	Rg(Gamut) CRI>90	CRI>80
2100±100	518.04	690.01	53.96	71.88	93.01	82.10	72.10	6.20	87.09	80.06	101.06	91.09
2400±100	700.11	816.16	72.93	85.02	92.02	82.50	80.12	8.09	90.20	79.08	103.19	93.20
2700±100	730.17	944.14	76.06	98.35	93.03	82.66	78.20	6.18	91.18	81.09	105.15	94.08
3000±100	786.04	960.16	81.88	100.02	92.58	81.74	84.05	5.08	91.20	82.03	102.13	92.06
4000±200	820.11	1008.13	85.43	105.01	91.06	82.03	70.15	5.13	91.11	80.09	101.19	93.05
6000±300	840.15	1015.18	87.52	105.75	91.63	82.67	77.16	6.02	90.12	78.15	101.05	92.04

Note: Wave length: Red 620~625nm, Green 515~525nm, Blue 465~470nm, Yellow 585~595nm, Customized CCT can be realized according to specific requirements.
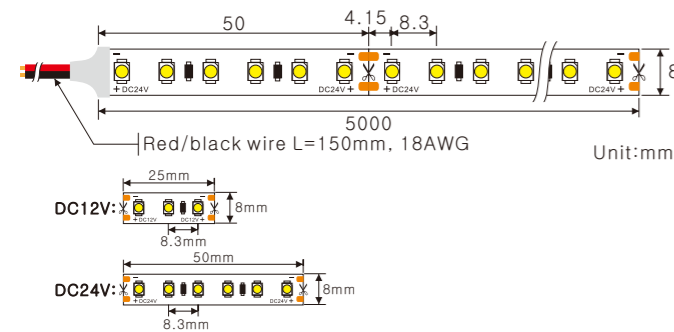
Order code: LY120-S3528 W30 - W24 - IP20 → IP20/IP52/IP65H/IP65/IP67/IP67E/IP68
Voltage:W12/W24
CCT:W21/W24/W27/W30/W40/W60

3528SMD 180LEDs 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
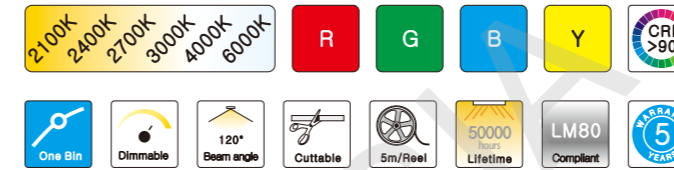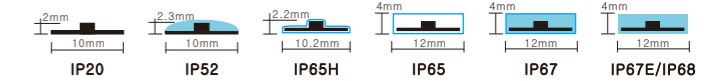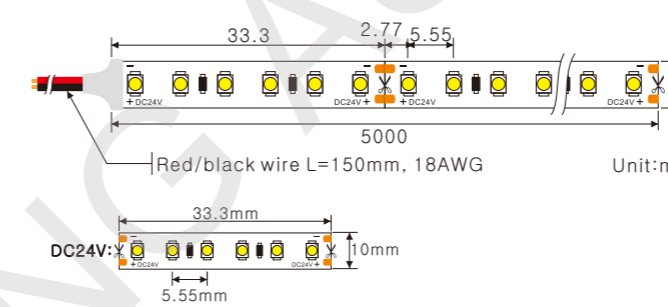▸ High quality PCB, high thermal 3M adhesive
▸ Provide 1BIN delivery

| 2100K | 2400K | 2700K | 3000K | 4000K | 6000K | R | G | B | Y | CRI >90 |

One Bin | Dimmable | 120° Beam angle | Cuttable | 5m/Reel | 50000 hours Lifetime | LM80 Compliant | 5 YEARS WARRANTY

DIMENSIONS & WATERPROOF

33.3   2.77 5.55   10

◀ DC24V+   DC24V+   DC24V+   ▶
5000
Red/black wire L=150mm, 18AWG   Unit:mm

R min=50mm

DC24V:
33.3mm | 10mm
5.55mm

| 2mm 10mm IP20 | 2.3mm 10mm IP52 | 2.2mm 10.2mm IP65H | 4mm 10mm IP65 | 4mm 12mm IP67 | 4mm 12mm IP67E/IP68 |

PRODUCT SPECIFICATION

Dimension	5000mmx10mmx2mm
Chip density	180LEDs/m,5.55mm pitch
Step LEDs	6LEDs
Step length	33.3mm
Power(W)	14.4Watt/meter
Voltage(V)	DC24V
Current(A/m)	0.6A
Copper foil	2oz
Ambient temperature	−20°C~+50°C

POLAR CURVE (Base on IP20 CRI>90 6000K)

90°
88.7
177.4
266.0
354.7
443.4
0°

C0/C180: — C90/C270: — C0: —
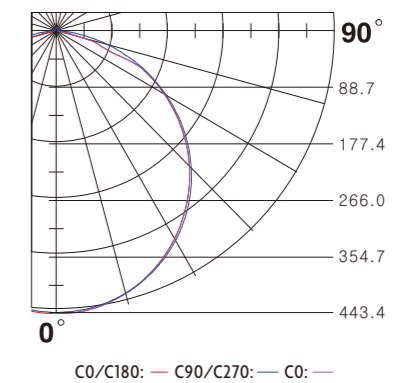
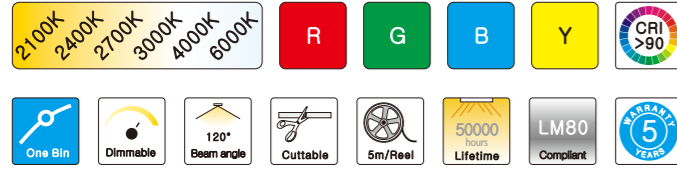## PRODUCT PHOTOMETRICS (The data base on IP20 24V)

CCT (K)	Lumen(lm/m) CRI>90	CRI>80	Efficacy(lm/w) CRI>90	CRI>80	CRI CRI>90	CRI>80	R9 CRI>90	CRI>80	Rf(Fidelity) CRI>90	CRI>80	Rg(Gamut) CRI>90	CRI>80
2100±100	776.19	1035.07	53.90	71.88	93.12	82.03	72.03	6.11	87.06	80.11	101.11	91.08
2400±100	1059.10	1224.02	73.55	85.00	92.12	82.54	80.14	8.01	90.12	79.17	103.18	93.20
2700±100	1095.14	1415.14	76.05	98.27	93.11	82.61	78.19	6.03	91.03	81.14	105.15	94.20
3000±100	1179.05	1440.08	81.88	100.01	92.61	81.73	84.07	5.15	91.11	82.09	102.20	92.03
4000±200	1230.03	1512.09	85.42	105.01	91.05	82.16	70.11	5.10	91.08	80.10	101.04	93.07
6000±300	1260.19	1520.16	87.51	105.57	91.51	82.70	77.10	6.02	90.05	78.06	101.12	92.19

Note: Wave length: Red 620~625nm, Green 515~525nm, Blue 465~470nm, Yellow 585~595nm, Customized CCT can be realized according to specific requirements.
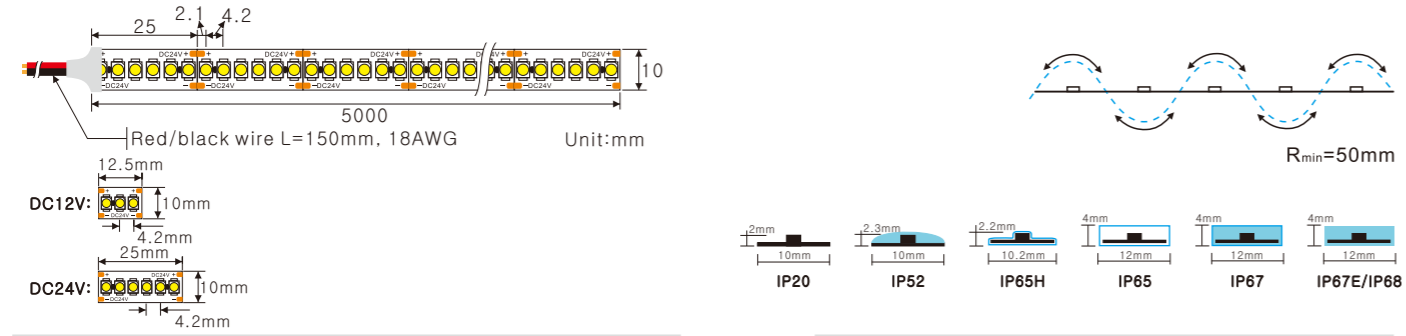
Order code: LY180-S3528 W30 - W24 - IP20 → IP20/IP52/IP65H/IP65/IP67/IP67E/IP68
CCT:W21/W24/W27/W30/W40/W60

3528SMD 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
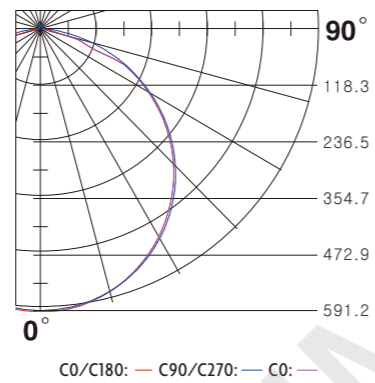▶ High quality PCB, high thermal 3M adhesive
▶ Provide 1BIN delivery

2100K 2400K 2700K 3000K 4000K 6000K | R | G | B | Y | CRI>90

One Bin | Dimmable | 120° Beam angle | Cuttable | 5m/Reel | 50000 hours Lifetime | LM80 Compliant | 5 YEARS WARRANTY

DIMENSIONS & WATERPROOF

25 2.1 4.2
10
5000
Red/black wire L=150mm, 18AWG   Unit:mm

DC12V: 12.5mm / 10mm / 4.2mm
DC24V: 25mm / 10mm / 4.2mm

R_min=50mm

2mm IP20 | 2.3mm IP52 | 2.2mm IP65H | 4mm IP65 | 4mm IP67 | 4mm IP67E/IP68
10mm | 10mm | 10.2mm | 12mm | 12mm | 12mm

PRODUCT SPECIFICATION

Dimension	5000mmx10mmx2mm
Chip density	240LEDs/m,4.2mm pitch
Step LEDs	6LEDs(24V)/3LEDs(12V)
Step length	25mm(24V)/12.5mm(12V)
Power(W)	19.2Watt/meter
Voltage(V)	DC24V/DC12V
Current(A/m)	0.8A(24V)/1.6A(12V)
Copper foil	2oz
Ambient temperature	−20°C~+50°C

POLAR CURVE (Base on IP20 CRI>90 6000K)

90°
118.3
236.5
354.7
472.9
591.2
0°

C0/C180: — C90/C270: — C0:

PRODUCT PHOTOMETRICS (The data base on IP20 24V)

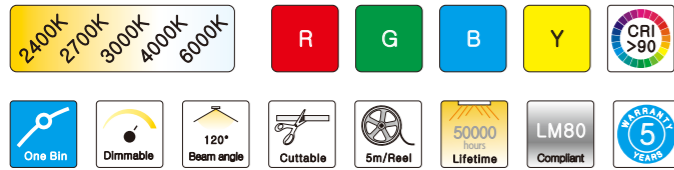| CCT (K)	Lumen(lm/m) CRI>90 | CRI>80	Efficacy(lm/w) CRI>90 | CRI>80	CRI CRI>90 | CRI>80	R9 CRI>90 | CRI>80	Rf(Fidelity) CRI>90 | CRI>80	Rg(Gamut) CRI>90 | CRI>80
2100±100	1036.14 | 1380.05	53.97 | 71.88	93.19 | 82.08	72.16 | 6.16	87.19 | 80.09	101.02 | 91.15
2400±100	1412.05 | 1632.07	73.54 | 85.00	92.19 | 82.45	80.17 | 8.08	90.09 | 79.16	103.05 | 93.14
2700±100	1460.10 | 1888.18	76.05 | 98.34	93.08 | 82.53	78.08 | 6.07	91.06 | 81.20	105.06 | 94.16
3000±100	1572.14 | 1920.03	81.88 | 100.00	92.60 | 81.74	84.07 | 5.06	91.16 | 82.17	102.14 | 92.13
4000±200	1640.11 | 2016.15	85.42 | 105.01	91.10 | 82.02	70.11 | 5.14	91.13 | 80.12	101.05 | 93.04
6000±300	1680.03 | 2032.16	87.50 | 105.84	91.58 | 82.72	77.03 | 6.02	90.01 | 78.08	101.19 | 92.11

Note: Wave length: Red 620~625nm, Green 515~525nm, Blue 465~470nm, Yellow 585~595nm, Customized CCT can be realized according to specific requirements.

Order code: LY240−S3528 W30 − W24 − IP20 → IP20/IP52/IP65H/IP65/IP67/IP67E/IP68
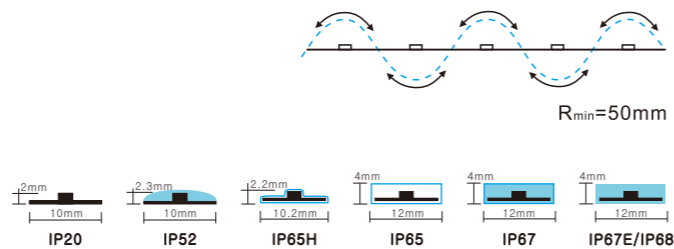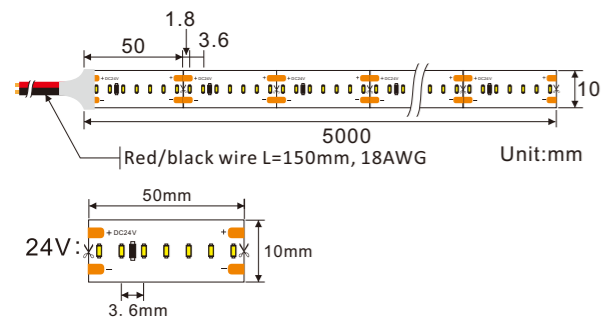→ Voltage:W12/W24
→ CCT:W21/W24/W27/W30/W40/W60

2010SMD 140LEDs LED STRIP

▸ 2010 LED with broader luminous surface
▸ Self-encapsulated design offers optional 2400-6000K
▸ White lights and R/G/B/Y and others colorful lights for option
▸ High quality PCB, high thermal 3M adhesive
▸ Provide 1BIN delivery

| 2400K 2700K 3000K 4000K 6000K | R | G | B | Y | CRI >90 |
| One Bin | Dimmable | 120° Beam angle | Cuttable | 5m/Reel | 50000 hours Lifetime | LM80 Compliant | 5 YEARS |

DIMENSIONS & WATERPROOF

50 1.8 3.6
5000
10
Red/black wire L=150mm, 18AWG   Unit:mm

Rmin=50mm

24V: 50mm 10mm
3.6mm

| 2mm 10mm IP20 | 2.3mm 10mm IP52 | 2.2mm 10.2mm IP65H | 4mm 12mm IP65 | 4mm 12mm IP67 | 4mm 12mm IP67E/IP68 |

PRODUCT SPECIFICATION

Dimension	5000mmx10mmx2mm
Chip density	140LEDs/m,3.6mm pitch
Step LEDs	7LEDs(24V)
Step length	50mm(24V)
Power(W)	9.6Watt/meter
Voltage(V)	DC24V
Current(A/m)	0.8A(24V)
Copper foil	2oz
Ambient temperature	−20°C~+50°C

POLAR CURVE (Base on IP20 CRI>90 6000K)

90°
74.9
149.8
224.6
299.5
374.4
0°

C0/C180: —   C90/C270: —   C0: —
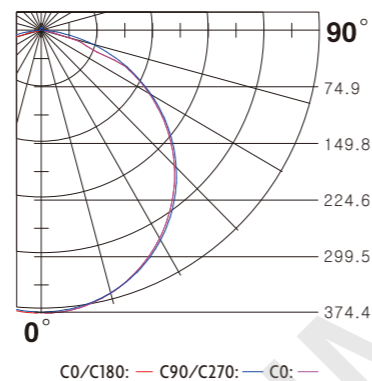
PRODUCT PHOTOMETRICS (The data base on IP20 24V)

CCT (K)	Lumen (lm/m)	Efficacy (lm/w)	CRI	R9	Rf (Fidelity)	Rg (Gamut)
2400±100	770.01	80.21	91.47	76.83	90.81	101.82
2700±100	909.98	94.79	91.33	78.86	92.80	100.81
3000±100	993.98	103.54	92.65	84.93	90.80	103.96
4000±200	979.96	102.08	93.42	85.95	90.95	100.00
6000±300	1063.96	110.83	92.52	90.95	91.96	101.89

Note: Wave length: Red 620~625nm, Green 515~525nm, Blue 465~470nm, Yellow 585~595nm, Customized CCT can be realized according to specific requirements.
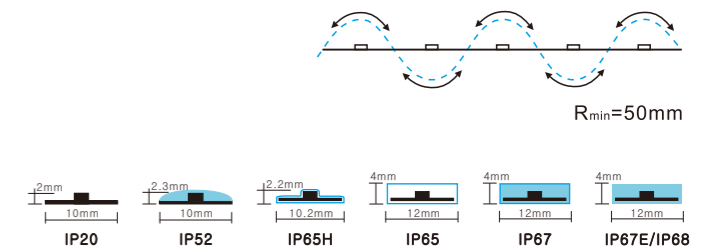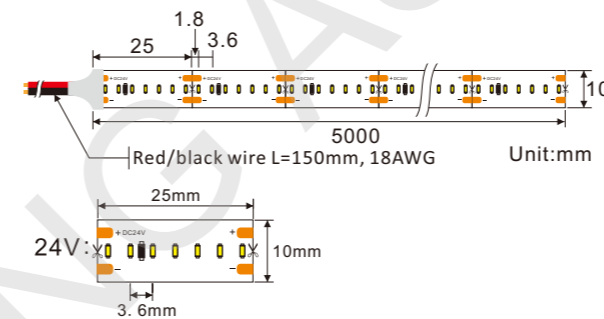
Order code: LY140-S2010 W30 - W24 - IP20 → IP20/IP52/IP65H/IP65/IP67/IP67E/IP68
                                    → CCT:W24/W27/W30/W40/W60

2010SMD 280LEDs LED STRIP

▸ 2010 LED with broader luminous surface
▸ Self-encapsulated design offers optional 2400-6000K
▸ White lights and R/G/B/Y and others colorful lights for option
▸ High quality PCB, high thermal 3M adhesive
▸ Provide 1BIN delivery

| 2400K 2700K 3000K 4000K 6000K | R | G | B | Y | CRI >90 |
| One Bin | Dimmable | 120° Beam angle | Cuttable | 5m/Reel | 50000 hours Lifetime | LM80 Compliant | 5 YEARS |

DIMENSIONS & WATERPROOF

25 1.8 3.6
5000
10
Red/black wire L=150mm, 18AWG   Unit:mm

Rmin=50mm

24V: 25mm 10mm
3.6mm

| 2mm 10mm IP20 | 2.3mm 10mm IP52 | 2.2mm 10.2mm IP65H | 4mm 12mm IP65 | 4mm 12mm IP67 | 4mm 12mm IP67E/IP68 |
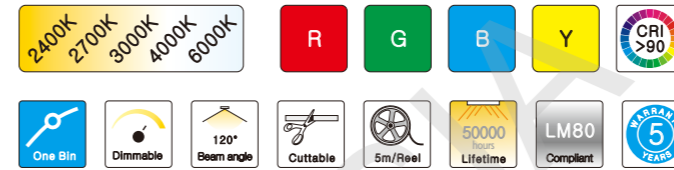
PRODUCT SPECIFICATION

Dimension	5000mmx10mmx2mm
Chip density	280LEDs/m,3.6mm pitch
Step LEDs	7LEDs(24V)
Step length	25mm(24V)
Power(W)	19.2Watt/meter
Voltage(V)	DC24V
Current(A/m)	0.8A(24V)
Copper foil	2oz
Ambient temperature	−20°C~+50°C

POLAR CURVE (Base on IP20 CRI>90 6000K)

90°
149.8
299.6
449.2
599.0
748.8
0°

C0/C180: —   C90/C270: —   C0: —
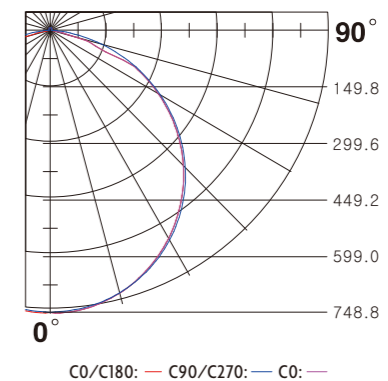
PRODUCT PHOTOMETRICS (The data base on IP20 24V)

CCT (K)	Lumen (lm/m)	Efficacy (lm/w)	CRI	R9	Rf (Fidelity)	Rg (Gamut)
2400±100	1540	80.21	91.47	76.83	90.81	101.82
2700±100	1820	94.79	91.33	78.86	92.80	100.81
3000±100	1988	103.54	92.65	84.93	90.80	103.96
4000±200	1960	102.08	93.42	85.95	90.95	100.00
6000±300	2128	110.83	92.52	90.95	91.96	101.89

Note: Wave length: Red 620~625nm, Green 515~525nm, Blue 465~470nm, Yellow 585~595nm, Customized CCT can be realized according to specific requirements.
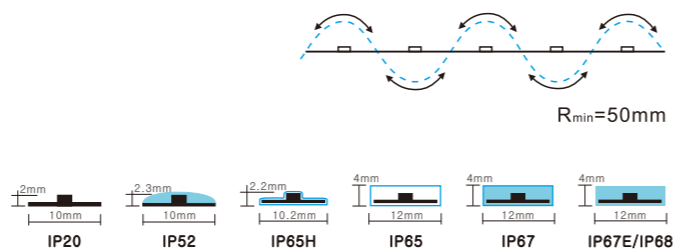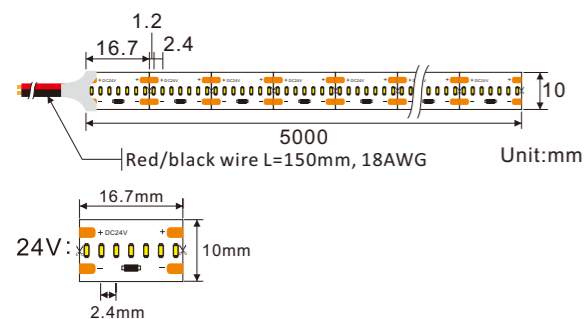
Order code: LY280-S2010 W30 - W24 - IP20 → IP20/IP52/IP65H/IP65/IP67/IP67E/IP68
                                    → CCT:W24/W27/W30/W40/W60

2010SMD 420LEDs LED STRIP

▸ 2010 LED with broader luminous surface
▸ Self-encapsulated design offers optional 2400-6000K
▸ White lights and R/G/B/Y and others colorful lights for option
▸ High quality PCB, high thermal 3M adhesive
▸ Provide 1BIN delivery

2400K 2700K 3000K 4000K 6000K | R | G | B | Y | CRI >90

One Bin | Dimmable | 120° Beam angle | Cuttable | 5m/Reel | 50000 hours Lifetime | LM80 Compliant | 5 YEARS WARRANTY

DIMENSIONS & WATERPROOF

1.2 / 2.4 / 16.7 / 10
5000
Red/black wire L=150mm, 18AWG   Unit:mm
R$_{min}$=50mm

24V: 16.7mm / 10mm / 2.4mm

2mm 10mm IP20 | 2.3mm 10mm IP52 | 2.2mm 10.2mm IP65H | 4mm 12mm IP65 | 4mm 12mm IP67 | 4mm 12mm IP67E/IP68
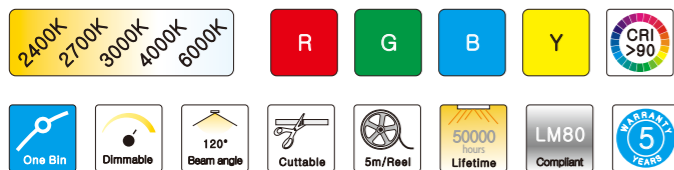
PRODUCT SPECIFICATION

Dimension	5000mmx10mmx2mm
Chip density	420LEDs/m,2.4mm pitch
Step LEDs	7LEDs(24V)
Step length	16.7mm(24V)
Power(W)	20Watt/meter
Voltage(V)	DC24V
Current(A/m)	0.84A(24V)
Copper foil	2oz
Ambient temperature	−20°C~+50°C

POLAR CURVE (Base on IP20 CRI>90 6000K)

90°
153.7
307.5
461.0
614.8
768.5
0°
C0/C180: — C90/C270: — C0: —
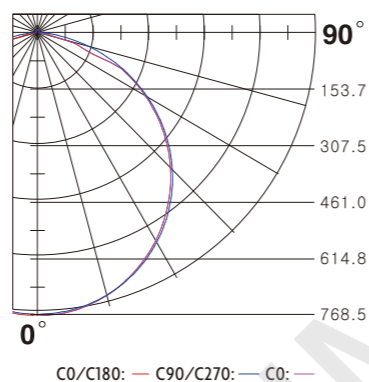
PRODUCT PHOTOMETRICS (The data base on IP20 24V)

CCT (K)	Lumen (lm/m)	Efficacy (lm/w)	CRI	R9	Rf (Fidelity)	Rg (Gamut)
2400±100	1596	79.80	91.47	76.83	90.81	101.82
2700±100	1848	92.40	91.33	78.86	92.80	100.81
3000±100	2058	102.90	92.65	84.93	90.80	103.96
4000±200	2016	100.80	93.42	85.95	90.95	100.00
6000±300	2184	109.20	92.52	90.95	91.96	101.89

Note: Wave length: Red 620~625nm, Green 515~525nm, Blue 465~470nm, Yellow 585~595nm, Customized CCT can be realized according to specific requirements.
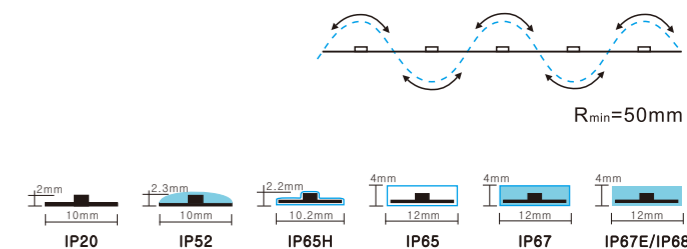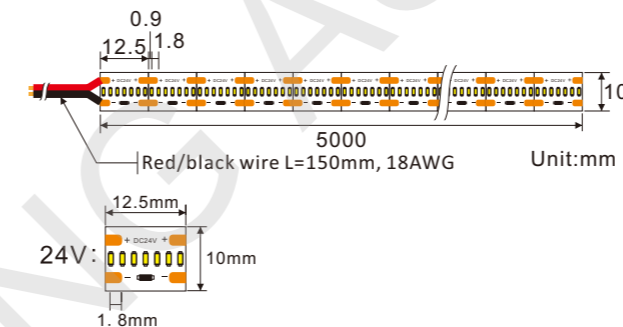
Order code: LY420-S2010 W30 -W24- IP20 → IP20/IP52/IP65H/IP65/IP67/IP67E/IP68
→ CCT:W24/W27/W30/W40/W60

2010SMD 560LEDs LED STRIP

▸ 2010 LED with broader luminous surface
▸ Self-encapsulated design offers optional 2400-6000K
▸ White lights and R/G/B/Y and others colorful lights for option
▸ High quality PCB, high thermal 3M adhesive
▸ Provide 1BIN delivery

2400K 2700K 3000K 4000K 6000K | R | G | B | Y | CRI >90

One Bin | Dimmable | 120° Beam angle | Cuttable | 5m/Reel | 50000 hours Lifetime | LM80 Compliant | 5 YEARS WARRANTY

DIMENSIONS & WATERPROOF

0.9 / 1.8 / 12.5 / 10
5000
Red/black wire L=150mm, 18AWG   Unit:mm
R$_{min}$=50mm

24V: 12.5mm / 10mm / 1.8mm

2mm 10mm IP20 | 2.3mm 10mm IP52 | 2.2mm 10.2mm IP65H | 4mm 12mm IP65 | 4mm 12mm IP67 | 4mm 12mm IP67E/IP68
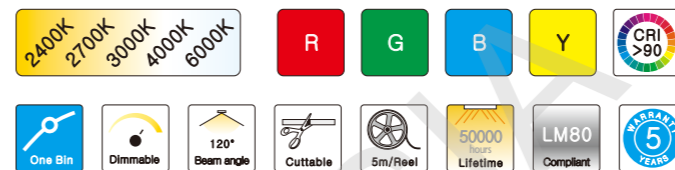
PRODUCT SPECIFICATION

Dimension	5000mmx10mmx2mm
Chip density	560LEDs/m,1.8mm pitch
Step LEDs	7LEDs(24V)
Step length	12.5mm(24V)
Power(W)	20Watt/meter
Voltage(V)	DC24V
Current(A/m)	0.84A(24V)
Copper foil	2oz
Ambient temperature	−20°C~+50°C

POLAR CURVE (Base on IP20 CRI>90 6000K)

90°
161.6
323.2
484.7
646.3
807.9
0°
C0/C180: — C90/C270: — C0: —
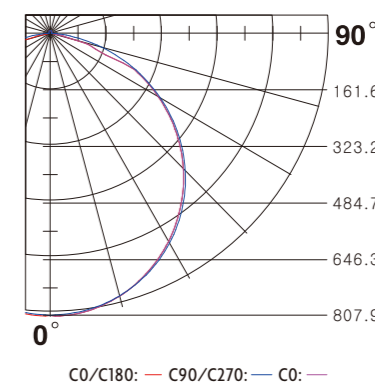
PRODUCT PHOTOMETRICS (The data base on IP20 24V)

CCT (K)	Lumen (lm/m)	Efficacy (lm/w)	CRI	R9	Rf (Fidelity)	Rg (Gamut)
2400±100	1680	84.00	91.47	76.83	90.81	101.82
2700±100	1904	95.20	91.33	78.86	92.80	100.81
3000±100	2128	106.40	92.65	84.93	90.80	103.96
4000±200	2072	103.60	93.42	85.95	90.95	100.00
6000±300	2296	114.80	92.52	90.95	91.96	101.89

Note: Wave length: Red 620~625nm, Green 515~525nm, Blue 465~470nm, Yellow 585~595nm, Customized CCT can be realized according to specific requirements.
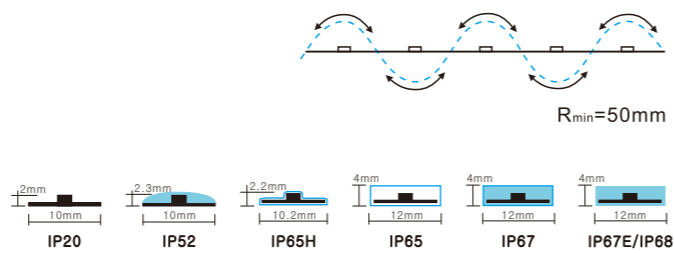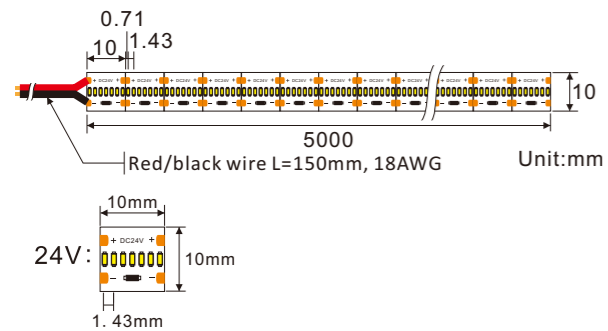
Order code: LY560-S2010 W30 -W24- IP20 → IP20/IP52/IP65H/IP65/IP67/IP67E/IP68
→ CCT:W24/W27/W30/W40/W60

2010SMD 700LEDs LED STRIP

▸ 2010 LED with broader luminous surface
▸ Self-encapsulated design offers optional 2400-6000K
▸ White lights and R/G/B/Y and others colorful lights for option
▸ High quality PCB, high thermal 3M adhesive
▸ Provide 1BIN delivery

2400K 2700K 3000K 4000K 6000K | R | G | B | Y | CRI >90

One Bin | Dimmable | 120° Beam angle | Cuttable | 5m/Reel | 50000 hours Lifetime | LM80 Compliant | 5 YEARS WARRANTY

DIMENSIONS & WATERPROOF

0.71
10 1.43
10
5000
Red/black wire L=150mm, 18AWG   Unit:mm
R_min=50mm

24V: 10mm
1. 43mm

2mm 10mm IP20 | 2.3mm 10mm IP52 | 2.2mm 10.2mm IP65H | 4mm 12mm IP65 | 4mm 12mm IP67 | 4mm 12mm IP67E/IP68
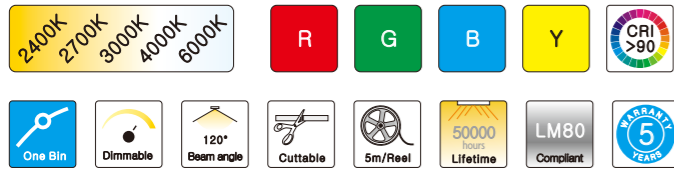
PRODUCT SPECIFICATION

Dimension	5000mmx10mmx2mm
Chip density	700LEDs/m,1.43mm pitch
Step LEDs	7LEDs(24V)
Step length	16.7mm(24V)
Power(W)	20Watt/meter
Voltage(V)	DC24V
Current(A/m)	0.84A(24V)
Copper foil	2oz
Ambient temperature	−20°C~+50°C

POLAR CURVE (Base on IP20 CRI>90 6000K)

90°
162.6
325.2
487.6
650.3
812.9
0°
C0/C180: — C90/C270: — C0: —
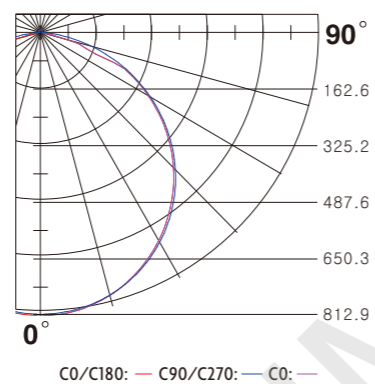
PRODUCT PHOTOMETRICS (The data base on IP20 24V)

CCT (K)	Lumen (lm/m)	Efficacy (lm/w)	CRI	R9	Rf (Fidelity)	Rg (Gamut)
2400±100	1680	84.00	91.47	76.83	90.81	101.82
2700±100	1960	98.00	91.33	78.86	92.80	100.81
3000±100	2170	108.50	92.65	84.93	90.80	103.96
4000±200	2100	105.00	93.42	85.95	90.95	100.00
6000±300	2310	115.50	92.52	90.95	91.96	101.89

Note: Wave length: Red 620~625nm, Green 515~525nm, Blue 465~470nm, Yellow 585~595nm, Customized CCT can be realized according to specific requirements.
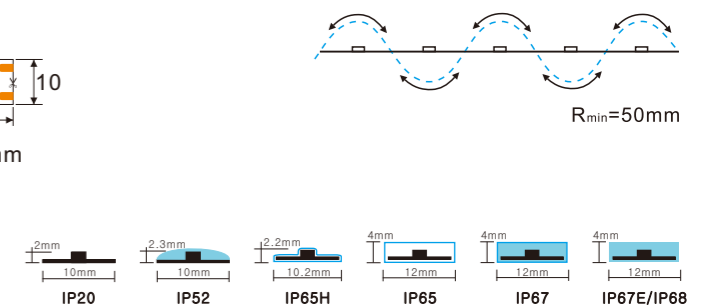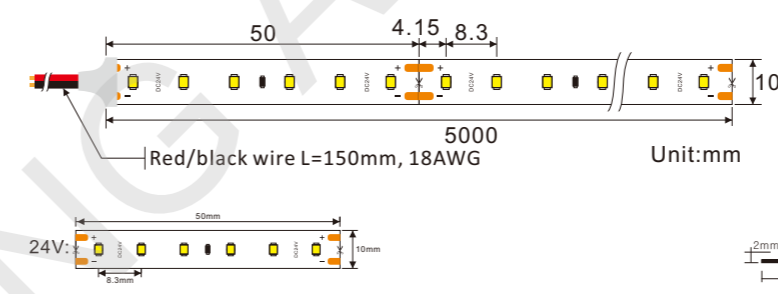
Order code: LY700-S2010 W30 - W24 - IP20 → IP20/IP52/IP65H/IP65/IP67/IP67E/IP68
→ CCT:W24/W27/W30/W40/W60

2216SMD 120LEDs LED STRIP

▸ 2216 LED with broader luminous surface
▸ Self-encapsulated design offers optional 2700-6000K
▸ White lights and R/G/B/Y and others colorful lights for option
▸ High quality PCB, high thermal 3M adhesive
▸ Provide 1BIN delivery

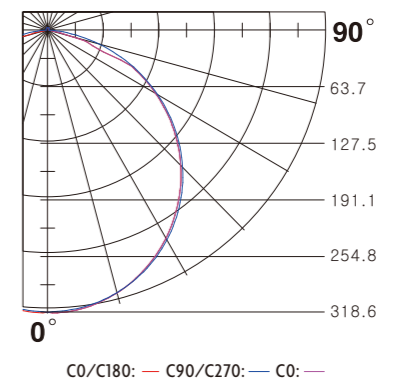2700K 3000K 4000K 6000K | R | G | B | Y | CRI >90

One Bin | Dimmable | 120° Beam angle | Cuttable | 5m/Reel | 50000 hours Lifetime | LM80 Compliant | 5 YEARS WARRANTY

DIMENSIONS & WATERPROOF

50
4.15 8.3
10
5000
Red/black wire L=150mm, 18AWG   Unit:mm
R_min=50mm

24V: 50mm 10mm
8.3mm

2mm 10mm IP20 | 2.3mm 10mm IP52 | 2.2mm 10.2mm IP65H | 4mm 12mm IP65 | 4mm 12mm IP67 | 4mm 12mm IP67E/IP68
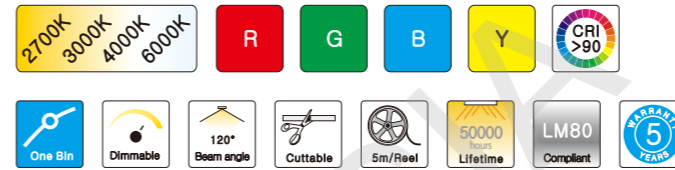
PRODUCT SPECIFICATION

Dimension	5000mmx10mmx2mm
Chip density	120LEDs/m,8.3mm pitch
Step LEDs	6LEDs(24V)
Step length	50mm(24V)
Power(W)	9.6Watt/meter
Voltage(V)	DC24V
Current(A/m)	0.4A(24V)
Copper foil	2oz
Ambient temperature	−20°C~+50°C

POLAR CURVE (Base on IP20 CRI>90 6000K)

90°
63.7
127.5
191.1
254.8
318.6
0°
C0/C180: — C90/C270: — C0: —

PRODUCT PHOTOMETRICS (The data base on IP20 24V)

CCT (K)	Lumen (lm/m)	Efficacy (lm/w)	CRI	R9	Rf (Fidelity)	Rg (Gamut)
2700±100	849.79	88.52	90.68	54.99	88.86	99.87
3000±100	881.76	91.85	89.95	51.94	89.85	98.98
4000±200	927.07	96.57	90.14	68.91	89.96	99.86
6000±300	905.28	94.30	90.46	72.86	88.95	97.96

Note: Wave length: Red 620~625nm, Green 515~525nm, Blue 465~470nm, Yellow 585~595nm, Customized CCT can be realized according to specific requirements.
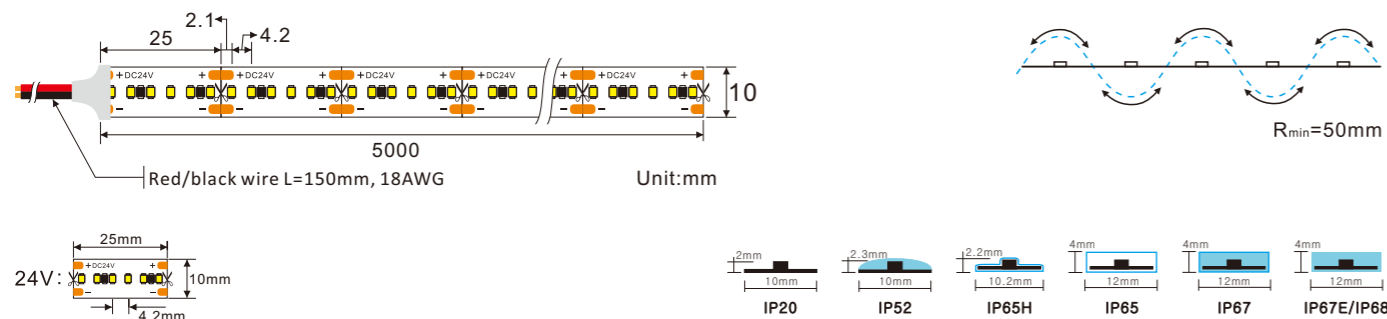
Order code: LY120-S2216 W30 - W24 - IP20 → IP20/IP52/IP65H/IP65/IP67/IP67E/IP68
→ CCT:W27/W30/W40/W60

2216SMD 240LEDs LED STRIP

▸ 2216 LED with broader luminous surface
▸ Self-encapsulated design offers optional 2700-6000K
▸ White lights and R/G/B/Y and others colorful lights for option
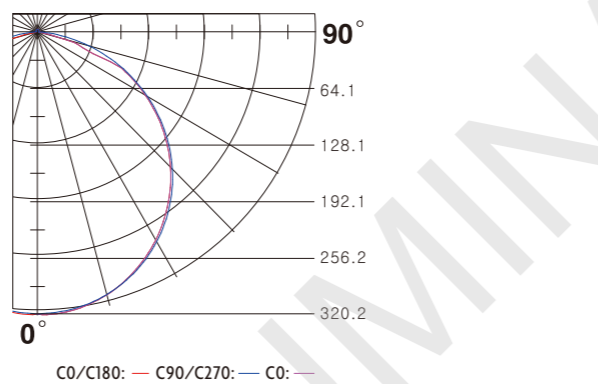▸ High quality PCB, high thermal 3M adhesive
▸ Provide 1BIN delivery

2700K 3000K 4000K 6000K | R | G | B | Y | CRI >90

One Bin | Dimmable | 120° Beam angle | Cuttable | 5m/Reel | 50000 hours Lifetime | LM80 Compliant | 5 YEARS WARRANTY

DIMENSIONS & WATERPROOF

25 | 2.1 | 4.2
+DC24V +DC24V +DC24V +DC24V +DC24V | 10
5000
R$_{min}$=50mm

Red/black wire L=150mm, 18AWG   Unit:mm

25mm
24V: | 10mm
4.2mm

2mm 10mm IP20 | 2.3mm 10mm IP52 | 2.2mm 10.2mm IP65H | 4mm 12mm IP65 | 4mm 12mm IP67 | 4mm 12mm IP67E/IP68
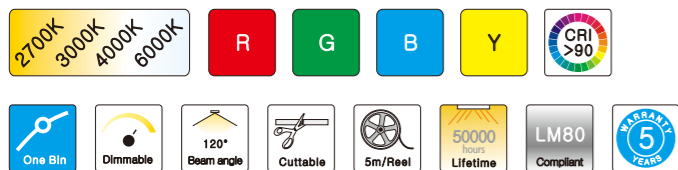
PRODUCT SPECIFICATION

Dimension	5000mmx10mmx2mm
Chip density	240LEDs/m,4.2mm pitch
Step LEDs	6LEDs(24V)
Step length	25mm(24V)
Power(W)	10Watt/meter
Voltage(V)	DC24V
Current(A/m)	0.42A(24V)
Copper foil	2oz
Ambient temperature	−20°C~+50°C

POLAR CURVE (Base on IP20 CRI>90 6000K)

90°
64.1
128.1
192.1
256.2
320.2
0°
C0/C180: — C90/C270: — C0: —

PRODUCT PHOTOMETRICS (The data base on IP20 24V)

CCT (K)	Lumen (lm/m)	Efficacy (lm/w)	CRI	R9	Rf (Fidelity)	Rg (Gamut)
2700±100	880.00	88.00	90.24	54.96	88.83	99.89
3000±100	890.00	89.00	89.26	51.82	90.00	98.92
4000±200	900.00	90.00	90.02	68.97	89.90	99.99
6000±300	910.00	91.00	89.87	72.97	88.89	97.93

Note: Wave length: Red 620~625nm, Green 515~525nm, Blue 465~470nm, Yellow 585~595nm, Customized CCT can be realized according to specific requirements.
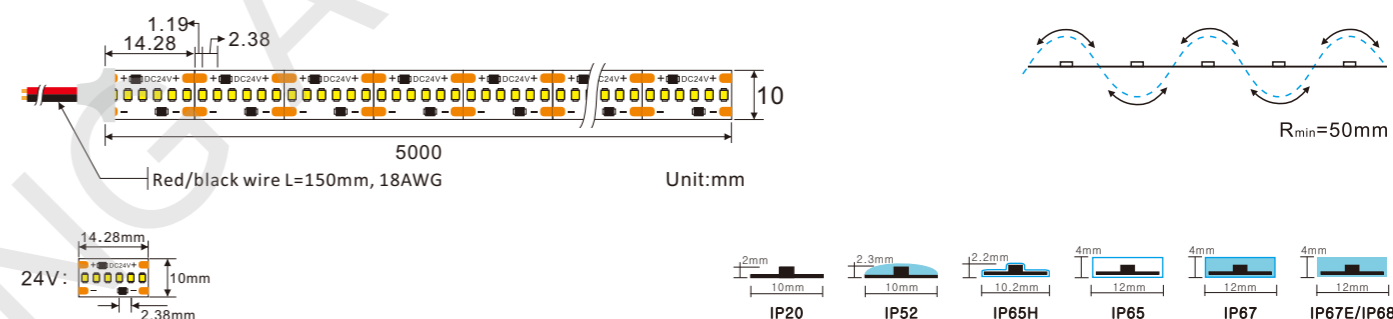
Order code: LY240-S2216 W30 -W24- IP20 → IP20/IP52/IP65H/IP65/IP67/IP67E/IP68

→ CCT:W27/W30/W40/W60

2216SMD 420LEDs LED STRIP

▸ 2216 LED with broader luminous surface
▸ Self-encapsulated design offers optional 2700-6000K
▸ White lights and R/G/B/Y and others colorful lights for option
▸ High quality PCB, high thermal 3M adhesive
▸ Provide 1BIN delivery

2700K 3000K 4000K 6000K | R | G | B | Y | CRI >90

One Bin | Dimmable | 120° Beam angle | Cuttable | 5m/Reel | 50000 hours Lifetime | LM80 Compliant | 5 YEARS WARRANTY

DIMENSIONS & WATERPROOF

1.19 | 14.28 | 2.38
+DC24V +DC24V +DC24V +DC24V +DC24V +DC24V | 10
5000
R$_{min}$=50mm

Red/black wire L=150mm, 18AWG   Unit:mm

14.28mm
24V: | 10mm
2.38mm

2mm 10mm IP20 | 2.3mm 10mm IP52 | 2.2mm 10.2mm IP65H | 4mm 12mm IP65 | 4mm 12mm IP67 | 4mm 12mm IP67E/IP68
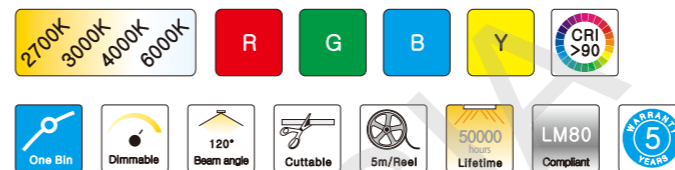
PRODUCT SPECIFICATION

Dimension	5000mmx10mmx2mm
Chip density	420LEDs/m,2.38mm pitch
Step LEDs	6LEDs(24V)
Step length	14.28mm(24V)
Power(W)	24Watt/meter
Voltage(V)	DC24V
Current(A/m)	1A(24V)
Copper foil	2oz
Ambient temperature	−20°C~+50°C

POLAR CURVE (Base on IP20 CRI>90 6000K)

90°
145.5
291.0
436.3
581.7
727.2
0°
C0/C180: — C90/C270: — C0: —
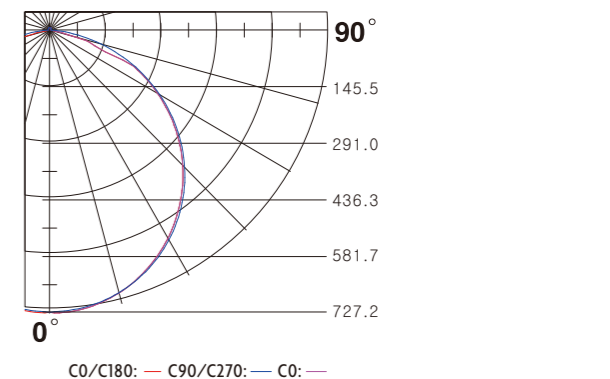
PRODUCT PHOTOMETRICS (The data base on IP20 24V)

CCT (K)	Lumen (lm/m)	Efficacy (lm/w)	CRI	R9	Rf (Fidelity)	Rg (Gamut)
2700±100	1993.68	83.07	90.79	54.98	88.98	99.94
3000±100	2038.80	84.95	89.96	51.80	89.82	98.95
4000±200	2019.84	84.16	90.28	68.94	89.80	99.86
6000±300	2066.64	86.11	90.40	72.84	88.85	97.93

Note: Wave length: Red 620~625nm, Green 515~525nm, Blue 465~470nm, Yellow 585~595nm, Customized CCT can be realized according to specific requirements.
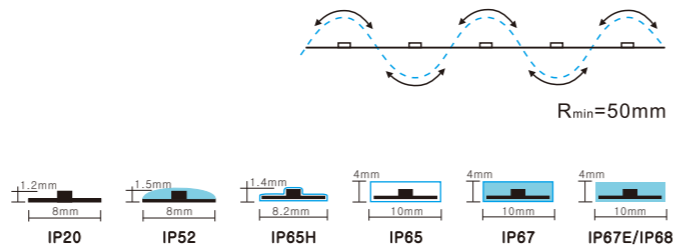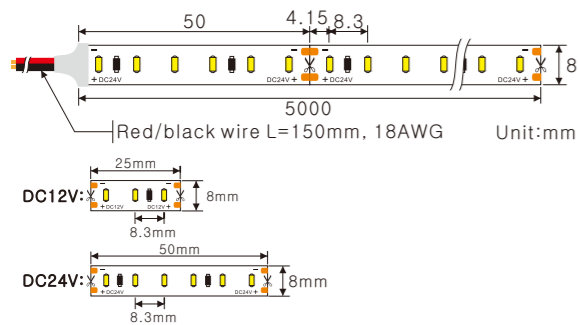
Order code: LY420-S2216 W30 -W24- IP20 → IP20/IP52/IP65H/IP65/IP67/IP67E/IP68

→ CCT:W27/W30/W40/W60

3014SMD 120LEDs LED STRIP

▶ 3014 LED with broader luminous surface
▶ Self-encapsulated design offers optional 2700~6000K
▶ White lights and R/G/B/Y and others colorful lights for option
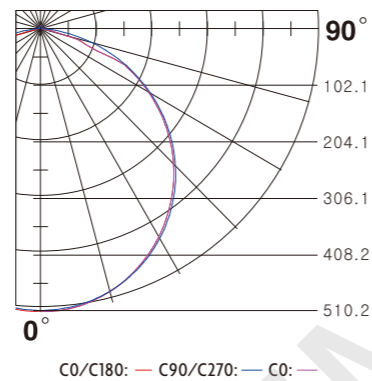▶ High quality PCB, high thermal 3M adhesive
▶ Provide 1BIN delivery

2700K 3000K 4000K 6000K | R | G | B | Y | CRI >90

One Bin | Dimmable | 120° Beam angle | Cuttable | 5m/Reel | 50000 hours Lifetime | LM80 Compliant | 5 YEARS

DIMENSIONS & WATERPROOF

50   4.15 8.3   8
5000
Red/black wire L=150mm, 18AWG   Unit:mm

DC12V: 25mm 8mm
8.3mm
50mm 8mm
DC24V: 8mm
8.3mm

R min=50mm

1.2mm 8mm IP20 | 1.5mm 8mm IP52 | 1.4mm 8.2mm IP65H | 4mm 10mm IP65 | 4mm 10mm IP67 | 4mm 10mm IP67E/IP68

PRODUCT SPECIFICATION

Dimension	5000mmx8mmx1.2mm
Chip density	120LEDs/m,8.3mm pitch
Step LEDs	6LEDs(24V)/3LEDs(12V)
Step length	50mm(24V)/25mm(12V)
Power(W)	14.4Watt/meter
Voltage(V)	DC24V/DC12V
Current(A/m)	0.6A(24V)/1.2A(12V)
Copper foil	2oz
Ambient temperature	−20°C~+50°C

POLAR CURVE (Base on IP20 CRI>90 6000K)

90°
102.1
204.1
306.1
408.2
510.2
0°
C0/C180: — C90/C270: — C0: —

PRODUCT PHOTOMETRICS (The data base on IP20 24V)
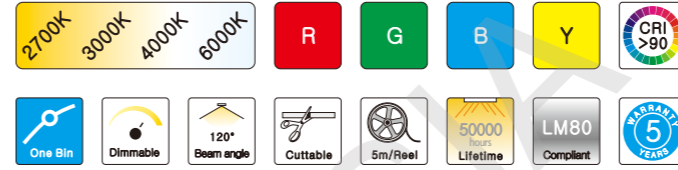
CCT (K)	Lumen(lm/m) CRI>90	CRI>80	Efficacy(lm/w) CRI>90	CRI>80	CRI CRI>90	CRI>80	R9 CRI>90	CRI>80	Rf(Fidelity) CRI>90	CRI>80	Rg(Gamut) CRI>90	CRI>80
2700±100	1270.09	1510.18	88.20	104.87	90.04	81.64	65.09	4.63	90.04	80.19	99.06	96.13
3000±100	1278.19	1550.03	88.76	107.64	91.02	82.05	66.04	6.04	90.02	82.20	99.11	96.01
4000±200	1425.09	1580.17	98.96	109.73	90.06	83.15	72.10	10.08	89.02	81.08	98.20	94.06
6000±300	1450.02	1598.02	100.70	110.97	89.11	83.13	69.16	7.16	87.07	79.14	96.05	95.14

Note: Wave length: Red 620~625nm, Green 515~525nm, Blue 465~470nm, Yellow 585~595nm, Customized CCT can be realized according to specific requirements.
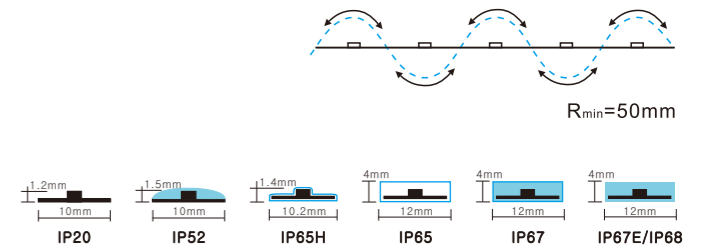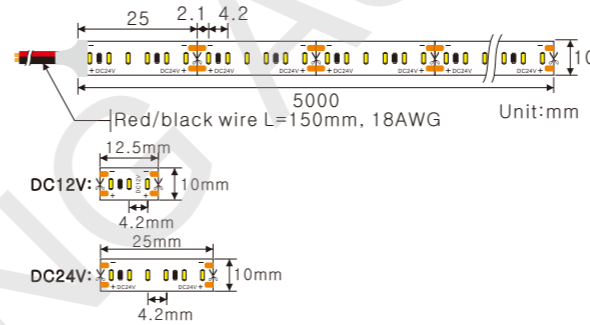
Order code: LY120–S3014 W30 – W24 – IP20   →IP20/IP52/IP65H/IP65/IP67/IP67E/IP68
→Voltage:W12/W24
→CCT:W27/W30/W40/W60

3014SMD 240LEDs LED STRIP

▶ 3014 LED with broader luminous surface
▶ Self-encapsulated design offers optional 2700~6000K
▶ White lights and R/G/B/Y and others colorful lights for option
▶ High quality PCB, high thermal 3M adhesive
▶ Provide 1BIN delivery

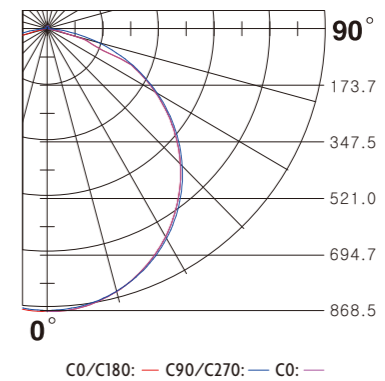2700K 3000K 4000K 6000K | R | G | B | Y | CRI >90

One Bin | Dimmable | 120° Beam angle | Cuttable | 5m/Reel | 50000 hours Lifetime | LM80 Compliant | 5 YEARS

DIMENSIONS & WATERPROOF

25   2.1 4.2   10
5000
Red/black wire L=150mm, 18AWG   Unit:mm

12.5mm
DC12V: 10mm
4.2mm
25mm
DC24V: 10mm
4.2mm

R min=50mm

1.2mm 10mm IP20 | 1.5mm 10mm IP52 | 1.4mm 10.2mm IP65H | 4mm 12mm IP65 | 4mm 12mm IP67 | 4mm 12mm IP67E/IP68

PRODUCT SPECIFICATION

Dimension	5000mmx10mmx1.2mm
Chip density	240LEDs/m,4.2mm pitch
Step LEDs	6LEDs(24V)/3LEDs(12V)
Step length	25mm(24V)/12.5mm(12V)
Power(W)	24Watt/meter
Voltage(V)	DC24V/DC12V
Current(A/m)	1A(24V)/2A(12V)
Copper foil	2oz
Ambient temperature	−20°C~+50°C

POLAR CURVE (Base on IP20 CRI>90 6000K)

90°
173.7
347.5
521.0
694.7
868.5
0°
C0/C180: — C90/C270: — C0: —

PRODUCT PHOTOMETRICS (The data base on IP20 24V)
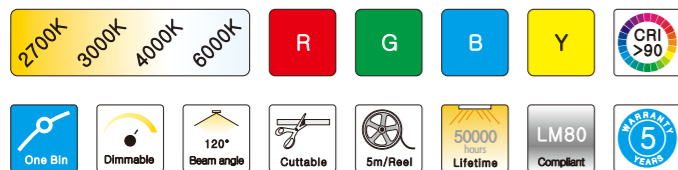
CCT (K)	Lumen(lm/m) CRI>90	CRI>80	Efficacy(lm/w) CRI>90	CRI>80	CRI CRI>90	CRI>80	R9 CRI>90	CRI>80	Rf(Fidelity) CRI>90	CRI>80	Rg(Gamut) CRI>90	CRI>80
2700±100	2140.05	2560.04	89.17	106.67	90.17	81.68	65.1	4.64	90.1	80.03	99.19	96.04
3000±100	2160.09	2610.03	90.00	108.75	91.08	82.09	66.07	6.07	90.02	82.08	99.19	96.08
4000±200	2433.13	2640.09	101.38	110.00	90.05	83.06	72.12	10.16	89.07	81.14	98.17	94.03
6000±300	2468.02	2640.04	102.83	110.00	89.14	83.12	69.06	7.13	87.09	79.11	96.19	95.18

Note: Wave length: Red 620~625nm, Green 515~525nm, Blue 465~470nm, Yellow 585~595nm, Customized CCT can be realized according to specific requirements.
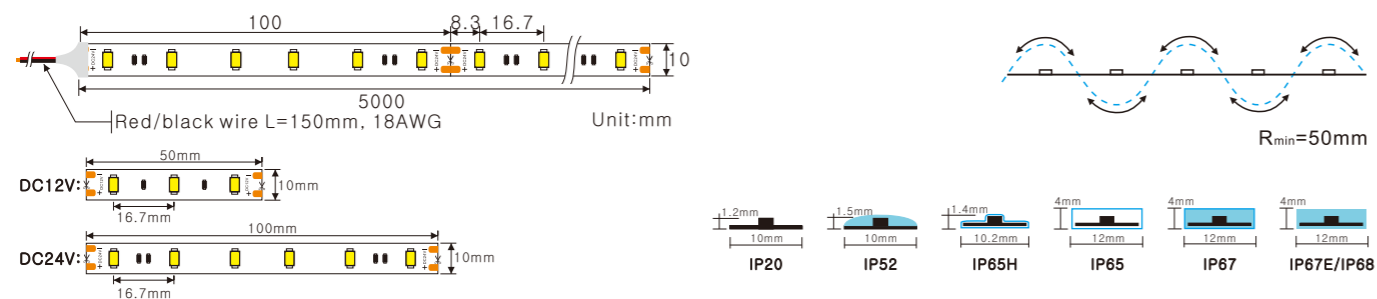
Order code: LY240–S3014 W30 – W24 – IP20   →IP20/IP52/IP65H/IP65/IP67/IP67E/IP68
→Voltage:W12/W24
→CCT:W27/W30/W40/W60

5630SMD 60LEDs LED STRIP

▶ 5630 LED with broader luminous surface
▶ Self-encapsulated design offers optional 2700-6000K
▶ White lights and R/G/B/Y and others colorful lights for option
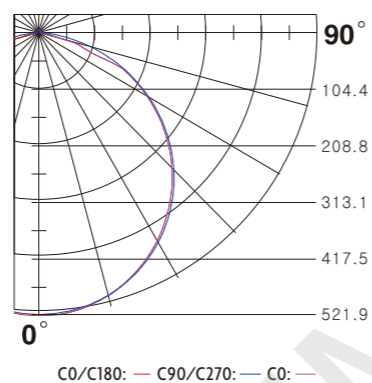▶ High quality PCB, high thermal 3M adhesive
▶ Provide 1BIN delivery

2700K 3000K 4000K 6000K | R | G | B | Y | CRI >90

One Bin | Dimmable | 120° Beam angle | Cuttable | 5m/Reel | 50000 hours Lifetime | LM80 Compliant | 5 WARRANTY YEARS

DIMENSIONS & WATERPROOF

100 | 8.3 | 16.7 | 10
5000
Red/black wire L=150mm, 18AWG | Unit:mm

DC12V: 50mm 16.7mm 100mm 10mm
DC24V: 16.7mm 10mm

R min=50mm

IP20 1.2mm 10mm | IP52 1.5mm 10mm | IP65H 1.4mm 10.2mm | IP65 4mm 12mm | IP67 4mm 12mm | IP67E/IP68 4mm 12mm

PRODUCT SPECIFICATION

Dimension	5000mmx10mmx1.2mm
Chip density	60LEDs/m,16.7mm pitch
Step LEDs	6LEDs(24V)/3LEDs(12V)
Step length	100mm(24V)/50mm(12V)
Power(W)	14.4Watt/meter
Voltage(V)	DC24V/DC12V
Current(A/m)	0.6A(24V)/1.2A(12V)
Copper foil	2oz
Ambient temperature	−20°C~+50°C

POLAR CURVE (Base on IP20 CRI > 90 6000K)

90° 104.4 208.8 313.1 417.5 521.9
0°
C0/C180: — C90/C270: — C0: —

PRODUCT PHOTOMETRICS (The data base on IP20 24V)

CCT (K)	Lumen(lm/m) CRI>90 | CRI>80	Efficacy(lm/w) CRI>90 | CRI>80	CRI CRI>90 | CRI>80	R9 CRI>90 | CRI>80	Rf(Fidelity) CRI>90 | CRI>80	Rg(Gamut) CRI>90 | CRI>80
2700±100	1195.15 | 1411.17	83.00 | 98.00	90.17 | 81.35	56.10 | 5.03	89.20 | 81.03	99.13 | 4.17
3000±100	1375.12 | 1584.20	95.49 | 110.01	90.64 | 82.13	55.01 | 7.11	88.17 | 76.03	98.18 | 6.07
4000±200	1468.20 | 1680.19	101.96 | 116.68	91.11 | 81.06	65.12 | 5.13	89.19 | 82.01	100.14 | 5.10
6250±250	1483.15 | 1700.11	103.00 | 118.06	90.30 | 81.66	48.08 | 6.06	86.19 | 80.07	99.02 | 3.53

Note: Wave length: Red 620~625nm, Green 515~525nm, Blue 465~470nm, Yellow 585~595nm, Customized CCT can be realized according to specific requirements.
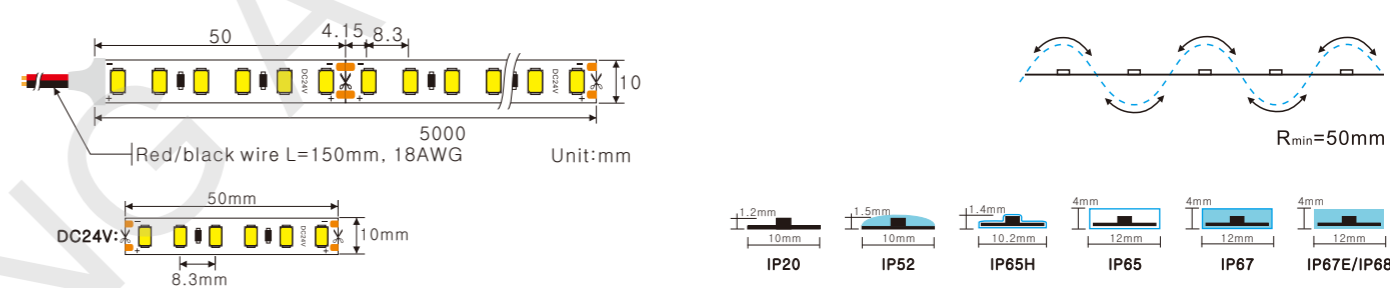
Order code: LY60-S5630 W30 − W24 − IP20 → IP20/IP52/IP65H/IP65/IP67/IP67E/IP68
Voltage:W12/W24
CCT:W27/W30/W40/W60

5630SMD 120LEDs LED STRIP

▶ 5630 LED with broader luminous surface
▶ Self-encapsulated design offers optional 2700-6000K
▶ White lights and R/G/B/Y and others colorful lights for option
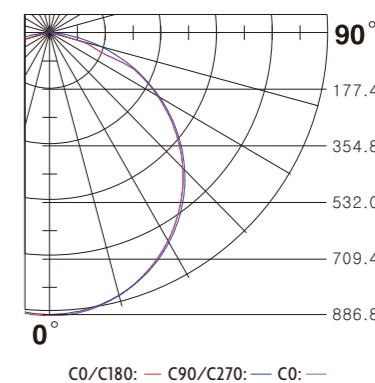▶ High quality PCB, high thermal 3M adhesive
▶ Provide 1BIN delivery

2700K 3000K 4000K 6000K | R | G | B | Y | CRI >90

One Bin | Dimmable | 120° Beam angle | Cuttable | 5m/Reel | 50000 hours Lifetime | LM80 Compliant | 5 WARRANTY YEARS

DIMENSIONS & WATERPROOF

50 | 4.15 | 8.3 | 10
5000
Red/black wire L=150mm, 18AWG | Unit:mm

DC24V: 50mm 10mm 8.3mm

R min=50mm

IP20 1.2mm 10mm | IP52 1.5mm 10mm | IP65H 1.4mm 10.2mm | IP65 4mm 12mm | IP67 4mm 12mm | IP67E/IP68 4mm 12mm

PRODUCT SPECIFICATION

Dimension	5000mmx10mmx1.2mm
Chip density	120LEDs/m,8.3mm pitch
Step LEDs	6LEDs
Step length	50mm
Power(W)	24Watt/meter
Voltage(V)	DC24V
Current(A/m)	1A
Copper foil	2oz
Ambient temperature	−20°C~+50°C

POLAR CURVE (Base on IP20 CRI > 90 6000K)

90° 177.4 354.8 532.0 709.4 886.8
0°
C0/C180: — C90/C270: — C0: —

PRODUCT PHOTOMETRICS (The data base on IP20 24V)

CCT (K)	Lumen(lm/m) CRI>90 | CRI>80	Efficacy(lm/w) CRI>90 | CRI>80	CRI CRI>90 | CRI>80	R9 CRI>90 | CRI>80	Rf(Fidelity) CRI>90 | CRI>80	Rg(Gamut) CRI>90 | CRI>80
2700±100	2035.07 | 2400.14	84.79 | 100.01	90.05 | 81.22	56.16 | 5.04	89.19 | 81.08	99.04 | 4.03
3000±100	2340.13 | 2700.14	97.51 | 112.51	90.69 | 82.14	55.09 | 7.08	88.05 | 76.20	98.13 | 6.11
4000±200	2495.12 | 2856.03	103.96 | 119.00	91.16 | 81.01	65.14 | 5.17	89.12 | 82.05	100.13 | 5.06
6250±250	2520.09 | 2892.06	105.00 | 120.50	90.32 | 81.62	48.07 | 6.06	86.05 | 80.06	99.03 | 3.63

Note: Wave length: Red 620~625nm, Green 515~525nm, Blue 465~470nm, Yellow 585~595nm, Customized CCT can be realized according to specific requirements.

Order code: LY120-S5630 W30 − W24 − IP20 → IP20/IP52/IP65H/IP65/IP67/IP67E/IP68
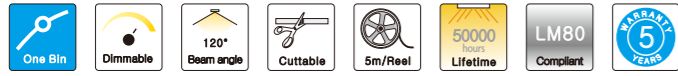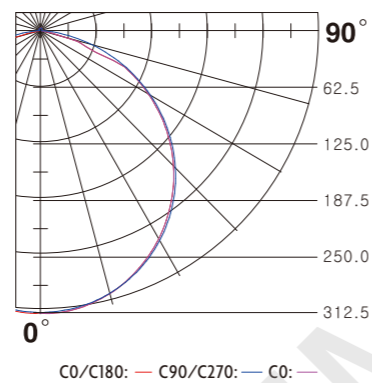CCT:W27/W30/W40/W60

TUNABLE
WHITE SERIES

Tunable white LED strip light, adjustable color temperature LED strip, or CCT changeable LED tape lights are new types of lighting terms we hear more and more. All of these terms refer to a kind of LED strip light that can be adjusted to emit variable shades of white, usually in the range from 1800K to 6500K or from 2700K to 6500K color temperature(CCT). Adjusting white shades or changing color temperature is achieved through a remote or wired tunable white LED controller or DMX controller.

- High color consistency, 3 step Macadam
- High CRI, Ra>90
- 1800K ~ 6000K and other custom CCT available
- LM80 compatible, more than 50000 hours lifespan
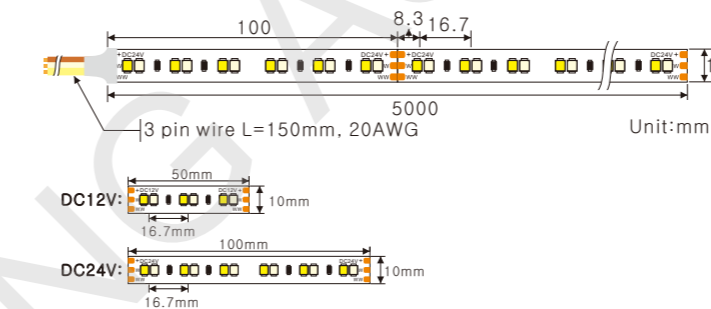- IP20/IP52/IP65/IP67/IP68 available

TW STRIP 2010SMD 240LEDs

▸ 2010 LED Warm white+cool white tunable strip
▸ Self-encapsulated design offers optional 2400-6000K
▸ White lights and R/G/B/Y and others colorful lights for option
▸ High quality PCB, high thermal 3M adhesive
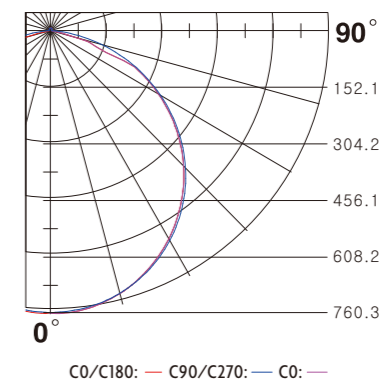▸ Provide 1BIN delivery

[2100K 2400K 2700K 3000K 4000K 6000K] [CRI >90]

[One Bin] [Dimmable] [120° Beam angle] [Cuttable] [5m/Reel] [50000 hours Lifetime] [LM80 Compliant] [5 YEARS WARRANTY]

DIMENSIONS & WATERPROOF

50 | 4.15 | 8.3 | 5
5000 | Unit:mm

3 pin wire L=150mm, 20AWG

DC24V: 50 / 8.3mm / 5mm

R min=50mm

IP20 — 1.4mm / 5mm
IP65H — 1.6mm / 5.2mm
IP65 — 4mm / 7mm

PRODUCT SPECIFICATION

Dimension	5000mmx5mmx1.4mm
Chip density	240LEDs/m,8.3mm pitch
Step LEDs	12LEDs
Step length	50mm
Power(W)	10Watt/meter
Voltage(V)	DC24V
Current(A/m)	0.4A
Copper foil	2oz
Ambient temperature	−20°C~+50°C

POLAR CURVE (Base on IP20 CRI>90 2700K+6000K)

90°
62.5
125.0
187.5
250.0
312.5
0°

C0/C180: — C90/C270: — C0: —

PRODUCT PHOTOMETRICS (The data base on IP20 24V)

CCT (K)	Lumen (lm/m)	Efficacy (lm/w)	Power (w/m)	CRI	R9	Rf (Fidelity)	Rg (Gamut)
2700±100	408	81.6	5	91	78.86	92.8	100.81
6000±300	492	98.4	5	92	90.95	91.96	101.89
2700+6000	888	88.8	10	90	85.36	90.95	103.85

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

Order code: LY240-S2010[TW2760]-[W24]-[IP20] → IP20/IP65H/IP65
CCT:TW2760/TW3060/TW2640…

TW STRIP 2835SMD 120LEDs

▸ 2835 LED Warm white+cool white tunable strip
▸ Self-encapsulated design offers optional 2400-6000K
▸ 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] [CRI >90]

[One Bin] [Dimmable] [120° Beam angle] [Cuttable] [5m/Reel] [50000 hours Lifetime] [LM80 Compliant] [5 YEARS WARRANTY]

DIMENSIONS & WATERPROOF

100 | 8.3 | 16.7 | 10
5000 | Unit:mm

3 pin wire L=150mm, 20AWG

DC12V: 50mm / 16.7mm / 10mm
DC24V: 100mm / 16.7mm / 10mm

R min=50mm

IP20 — 1.2mm / 10mm
IP52 — 1.5mm / 10mm
IP65H — 1.4mm / 10.2mm
IP65 — 4mm / 12mm
IP67 — 4mm / 12mm
IP67E/IP68 — 4mm / 12mm
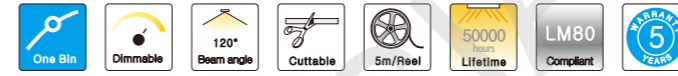
PRODUCT SPECIFICATION

Dimension	5000mmx10mmx1.2mm
Chip density	120LEDs/m,16.7mm pitch
Step LEDs	12LEDs(24V)/6LEDs(12V)
Step length	100mm(24V)/50mm(12V)
Power(W)	24Watt/meter
Voltage(V)	DC24V/DC12V
Current(A/m)	1A(24V)/2A(12V)
Copper foil	2oz
Ambient temperature	−20°C~+50°C

POLAR CURVE (Base on IP20 CRI>90 2700K+6000K)

90°
152.1
304.2
456.1
608.2
760.3
0°

C0/C180: — C90/C270: — C0: —

PRODUCT PHOTOMETRICS (The data base on IP20 24V)

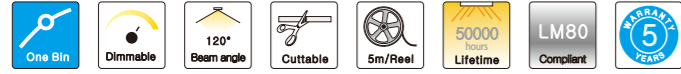| CCT (K)	Lumen(lm/m) CRI>90 | CRI>80	Efficacy(lm/w) CRI>90 | CRI>80	CRI CRI>90 | CRI>80	R9 CRI>90 | CRI>80	Rf(Fidelity) CRI>90 | CRI>80	Rg(Gamut) CRI>90 | CRI>80
2700±100	978.14 | 1320.49	81.51 | 110.04	92.00 | 83.72	83.33 | 10.21	90.21 | 84.15	104.36 | 100.99
6000±300	1204.12 | 1429.76	100.34 | 119.15	94.97 | 83.29	84.60 | 8.35	92.21 | 90.49	104.74 | 99.19
2700+6000	2160.58 | 2753.01	90.02 | 114.71	97.29 | 85.07	78.15 | 8.15	93.58 | 81.23	104.10 | 98.76

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

Order code: LY120-S2835[TW2760]-[W24]-[IP20] → IP20/IP52/IP65H/IP65/IP67/IP67E/IP68
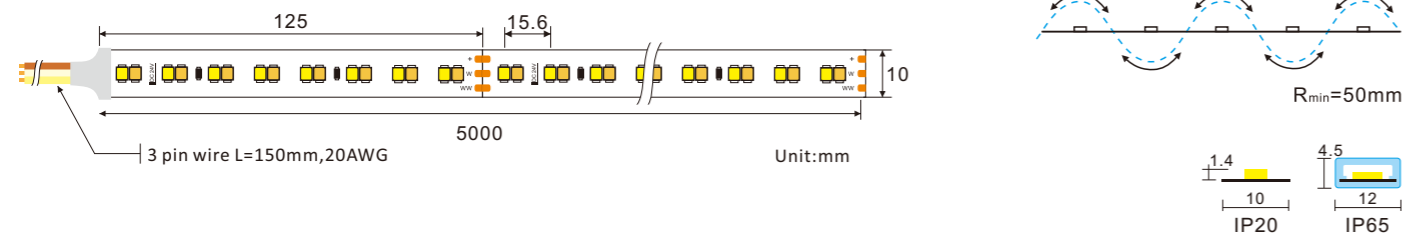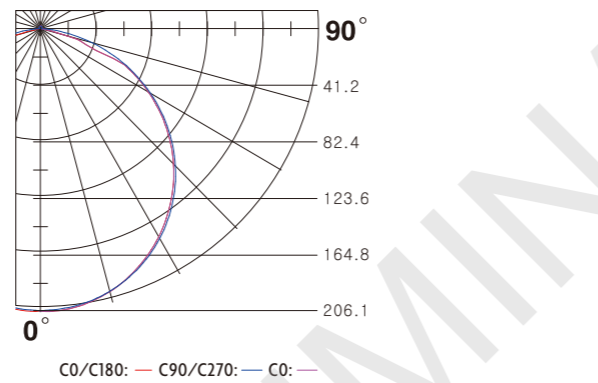Voltage:W12/W24
CCT:TW2160/TW2460/TW2760/TW3060…

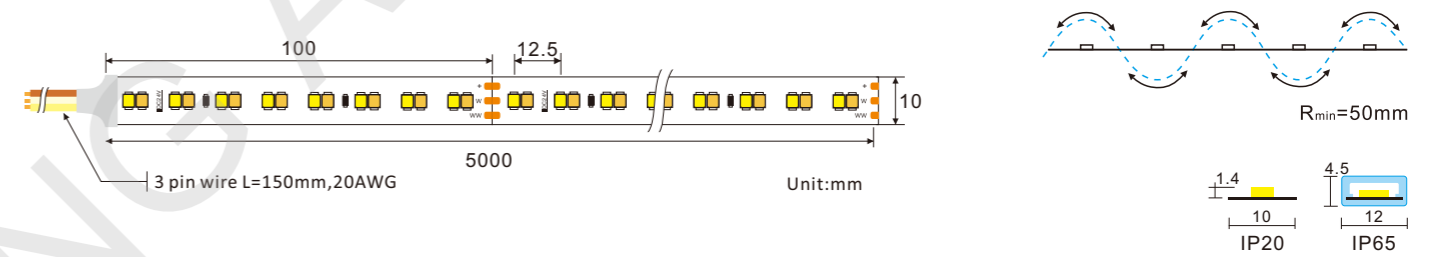# TW STRIP 2835SMD 128LEDs

▸ 2835 LED Warm white+cool white tunable strip
▸ Self-encapsulated design offers optional 2400~6000K
▸ 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 | CRI >90

One Bin | Dimmable | 120° Beam angle | Cuttable | 5m/Reel | 50000 hours Lifetime | LM80 Compliant | 5 YEARS WARRANTY

DIMENSIONS & WATERPROOF

125 15.6 10
5000
3 pin wire L=150mm,20AWG   Unit:mm

R_min=50mm

1.4 4.5 10 12
IP20 IP65

PRODUCT SPECIFICATION

Dimension	5000mmx5mmx1.4mm
Chip density	128LEDs/m,15.6mm pitch
Step LEDs	16LEDs
Step length	125mm
Power(W)	9.6Watt/meter
Voltage(V)	DC24V
Current(A/m)	0.4A
Copper foil	2oz
Ambient temperature	−20°C~+50°C

POLAR CURVE (Base on IP20 CRI>90 2700K+6000K)

90°
41.2
82.4
123.6
164.8
206.1
0°

C0/C180: — C90/C270: — C0: —

PRODUCT PHOTOMETRICS (The data base on IP20 24V)

CCT (K)	W/0.5M	LM/0.5M	LM/M	LM/W	Energy Efficiency Class	IP Grade
2700 ONLY	2.4	259.20	518.40	108	F	20/65
6500 ONLY	2.4	292.80	585.60	122	F	20/60

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

Order code: LY128-S2835TW-W24-9.6W-Ra90-IP20-ErP
↳ IP20/IP65

TW STRIP 2835SMD 160LEDs

▸ 2835 LED Warm white+cool white tunable strip
▸ Self-encapsulated design offers optional 2400~6000K
▸ 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 | CRI >90

One Bin | Dimmable | 120° Beam angle | Cuttable | 5m/Reel | 50000 hours Lifetime | LM80 Compliant | 5 YEARS WARRANTY

DIMENSIONS & WATERPROOF

100 12.5 10
5000
3 pin wire L=150mm,20AWG   Unit:mm

R_min=50mm

1.4 4.5 10 12
IP20 IP65

PRODUCT SPECIFICATION

Dimension	5000mmx10mmx1.4mm
Chip density	160LEDs/m,12.5mm pitch
Step LEDs	16LEDs
Step length	100mm
Power(W)	14.4Watt/meter
Voltage(V)	DC24V
Current(A/m)	0.4A
Copper foil	2oz
Ambient temperature	−20°C~+50°C

POLAR CURVE (Base on IP20 CRI>90 2700K+6000K)

90°
58.3
116.6
174.8
233.1
291.4
0°

C0/C180: — C90/C270: — C0: —
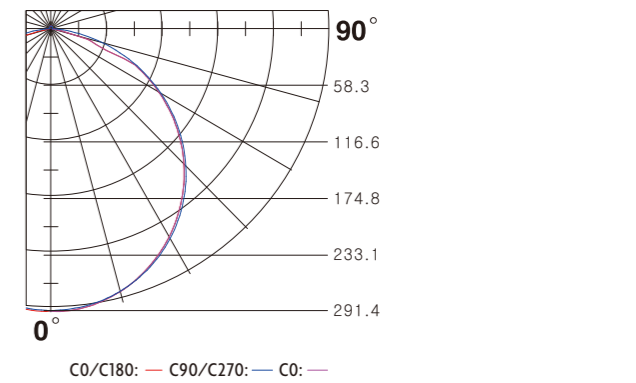
PRODUCT PHOTOMETRICS (The data base on IP20 24V)

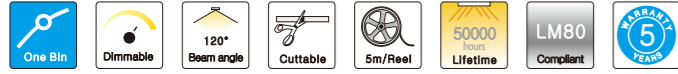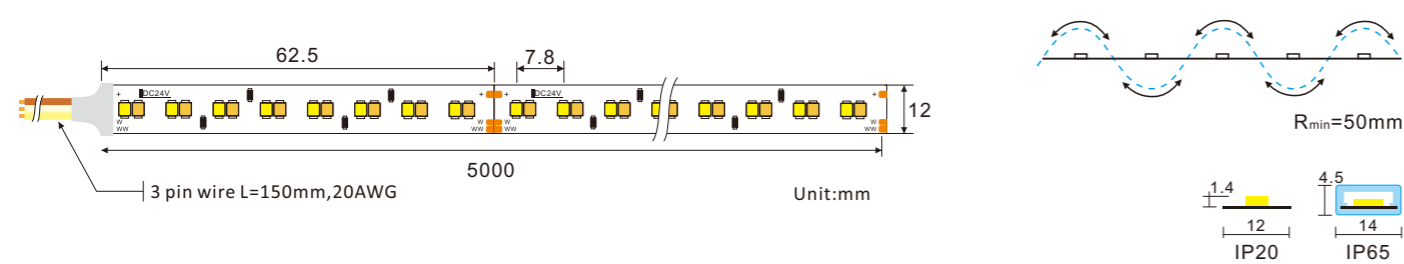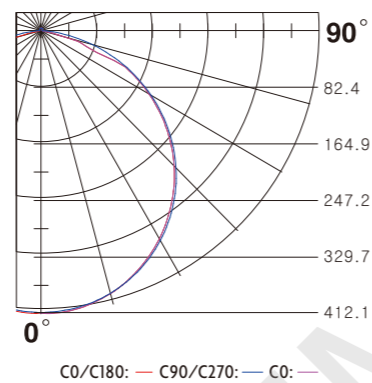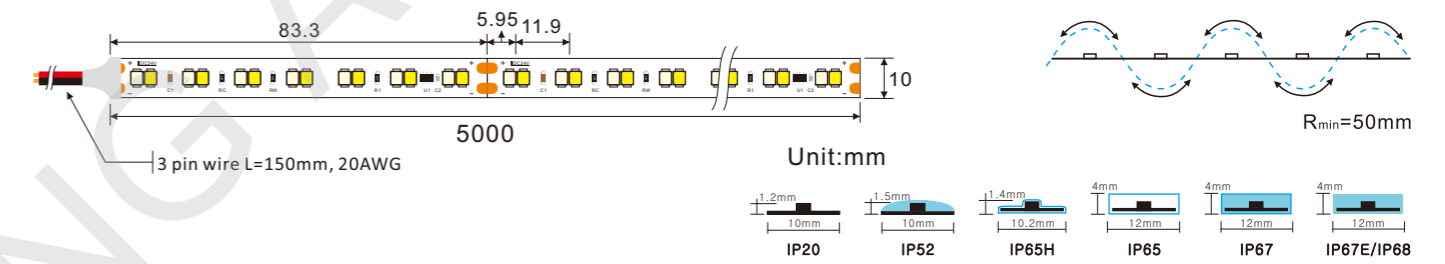| CCT (K)	W/0.5M	LM/0.5M	LM/M	LM/W	Energy Efficiency Class	IP Grade
2700 ONLY	3.6	367.20	734.40	102	F	20/65
6500 ONLY	3.6	414.00	828.00	115	F	20/60

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

Order code: LY160-S2835TW-W24-14.4W-Ra90-IP20-ErP
↳ IP20/IP65

TW STRIP 2835SMD 160LEDs

▸ 2835 LED Warm white+cool white tunable strip
▸ Self-encapsulated design offers optional 2400-6000K
▸ 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 | CRI >90

One Bin | Dimmable | 120° Beam angle | Cuttable | 5m/Reel | 50000 hours Lifetime | LM80 Compliant | 5 YEARS WARRANTY

DIMENSIONS & WATERPROOF

62.5 | 7.8 | 12

DC24V

5000

3 pin wire L=150mm, 20AWG | Unit:mm

R min=50mm

1.4 | 12 | IP20

4.5 | 14 | IP65

PRODUCT SPECIFICATION

Dimension	5000mmx12mmx1.4mm
Chip density	256LEDs/m, 7.8mm pitch
Step LEDs	16LEDs
Step length	62.5mm
Power(W)	19.2Watt/meter
Voltage(V)	DC24V
Current(A/m)	0.4A
Copper foil	2oz
Ambient temperature	−20°C~+50°C

POLAR CURVE (Base on IP20 CRI>90 2700K+6000K)

90°
82.4
164.9
247.2
329.7
412.1
0°

C0/C180: — C90/C270: — C0: —

PRODUCT PHOTOMETRICS (The data base on IP20 24V)

CCT (K)	W/0.5M	LM/0.5M	LM/M	LM/W	Energy Efficiency Class	IP Grade
2700 ONLY	4.8	504.00	1008.00	105	F	20/65
6500 ONLY	4.8	585.60	1171.20	122	F	20/60

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

Order code: LY160-S2835TW-W24-19.2W-Ra90-IP20-ErP
→ IP20/IP65

TW STRIP 2835SMD 168LEDs

▸ 2835 LED Warm white+cool white tunable strip
▸ Self-encapsulated design offers optional 2400-6000K
▸ 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 | CRI >90

One Bin | Dimmable | 120° Beam angle | Cuttable | 5m/Reel | 50000 hours Lifetime | LM80 Compliant | 5 YEARS WARRANTY

DIMENSIONS & WATERPROOF

83.3 | 5.95 | 11.9 | 10

5000

3 pin wire L=150mm, 20AWG | Unit:mm

R min=50mm

1.2mm 10mm IP20 | 1.5mm 10mm IP52 | 1.4mm 10.2mm IP65H | 4mm 12mm IP65 | 4mm 12mm IP67 | 4mm 12mm IP67E/IP68

PRODUCT SPECIFICATION

Dimension	5000mmx10mmx1.2mm
Chip density	168LEDs/m, 11.9mm pitch
Step LEDs	14LEDs
Step length	83.3mm
Power(W)	19Watt/meter
Voltage(V)	DC24V
Current(A/m)	0.4A
Copper foil	2oz
Ambient temperature	−20°C~+50°C

POLAR CURVE (Base on IP20 CRI>90 2700K+6000K)

90°
140.8
281.5
422.1
562.9
703.7
0°

C0/C180: — C90/C270: — C0: —
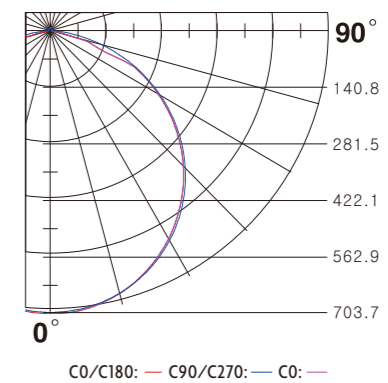
PRODUCT PHOTOMETRICS (The data base on IP20 24V)

CCT (K)	Lumen (lm/m)	Efficacy (lm/w)	Power (w/m)	CRI	R9	Rf (Fidelity)	Rg (Gamut)
2700 ONLY	988.13	89.83	11	91.4	57	92	98
6500 ONLY	1041.04	94.64	11	92.1	97	88	96
2700+6500 ONLY	1999.75	105.25	19	95.1	95	91	99

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

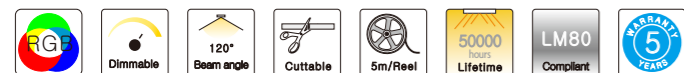Order code: LY168-S2835STW2765-W24-IP20 → IP20/IP65H/IP65

RGBX COLORFUL SERIES

RGBX color changing LED strips are 3 channels / 4 channels / 5 channels LED strips that can be connected to the lighting control system or work with the independent controller.It is widely used in residential spaces, exhibitions, leisure & entertainment environments, decoration lighting, atmosphere creation, and changes in holidays.RGBX color changing LED strips contain RGB LED strips, RGBW LED strips, and RGBTW LED strips.
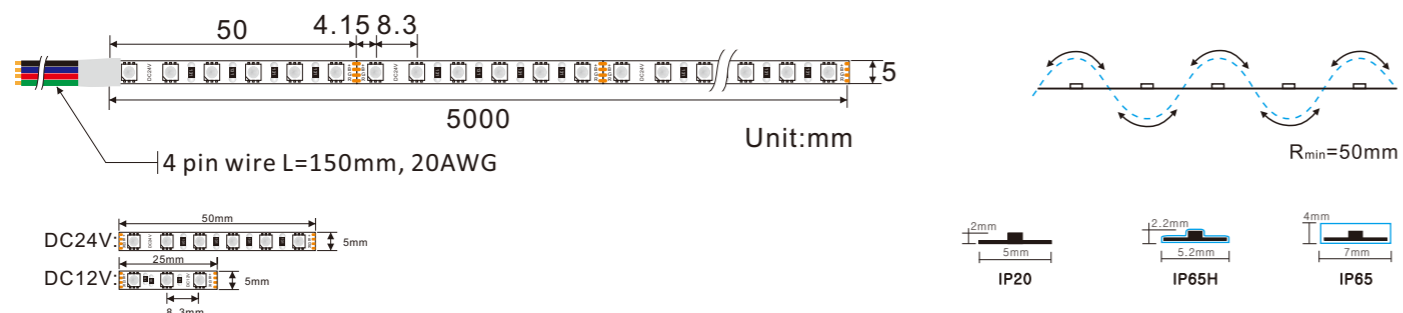
- RGB/RGBW/RGBTW are available
- 5mm/8mm/10mm/12mm/16mm/20mm width are available
- IP20/IP52/IP65/IP67/IP68 are available
- High density, up to 360LEDs/m
- LM80 compatible, 50000 hours lifespan

RGB 2835SMD 120LEDs

▸ 2835 LED with broader luminous surface
▸ Self-encapsulated design
▸ High quality PCB, high thermal 3M adhesive
▸ widely adaptable to all types of controllers

RGB | Dimmable | 120° Beam angle | Cuttable | 5m/Reel | 50000 hours Lifetime | LM80 Compliant | 5 YEARS WARRANTY

DIMENSIONS & WATERPROOF

50   4.15 8.3
5000
5
Unit:mm

4 pin wire L=150mm, 20AWG

Rmin=50mm

DC24V: 50mm 5mm
DC12V: 25mm 8.3mm 5mm

IP20 | IP65H | IP65

PRODUCT SPECIFICATION

Dimension	5000mmx5mmx2mm
Chip density	120LEDs/m,8.3mm pitch
Step LEDs	6LEDs(24V)/3LEDs(12V)
Step length	50mm(24V)/25mm(12V)
Power(W)	10Watt/meter
Voltage(V)	DC24V/DC12V
Current(A/m)	0.42A(24V)/0.83A(12V)
Copper foil	2oz
Ambient temperature	−20°C~+50°C
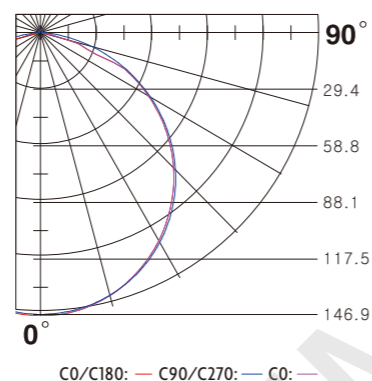
POLAR CURVE (Base on IP20 RGB)

90°
29.4
58.8
88.1
117.5
146.9
0°

C0/C180: — C90/C270: — C0: —

PRODUCT PHOTOMETRICS (The data base on IP20 24V)

Color	CCT/Wavelength	Power (w/m)	Lumen (lm/m)	Efficacy (lm/w)
Red	620nm	3.22	84.20	26.15
Green	520nm	3.49	278.54	79.81
Blue	465nm	3.29	62.02	18.85
RGB	/	10	417.5	41.75

Order code: LY120-S2835RGB-[W24]-[IP20] → IP20/IP65H/IP65
→ Voltage:W12/W24

RGB 3838SMD 120LEDs

▸ 3838 LED with broader luminous surface
▸ Self-encapsulated design
▸ High quality PCB, high thermal 3M adhesive
▸ widely adaptable to all types of controllers

RGB | Dimmable | 120° Beam angle | Cuttable | 5m/Reel | 50000 hours Lifetime | LM80 Compliant | 5 YEARS WARRANTY

DIMENSIONS & WATERPROOF

50   4.15 8.3
5000
8
Unit:mm

4 pin wire L=150mm, 20AWG

Rmin=50mm

DC12V: 50mm 8mm
8.3mm

IP20 | IP52 | IP65H | IP65 | IP67 | IP67E/IP68
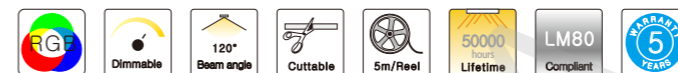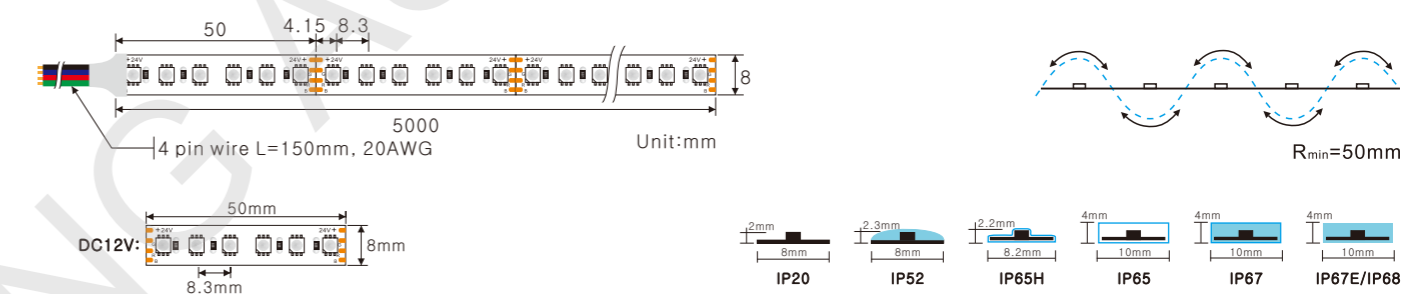
PRODUCT SPECIFICATION

Dimension	5000mmx8mmx2mm
Chip density	120LEDs/m,8.3mm LED pitch
Step LEDs	6LEDs
Step length	50mm
Power(W)	12Watt/meter
Voltage(V)	DC24V
Current(A/m)	0.5A
Copper foil	2oz
Ambient temperature	−20°C~+50°C

POLAR CURVE (Base on IP20 RGB)

90°
35.2
70.5
105.7
140.9
176.2
0°

C0/C180: — C90/C270: — C0: —
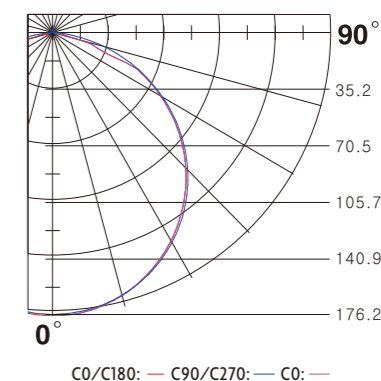
PRODUCT PHOTOMETRICS (The data base on IP20 24V)

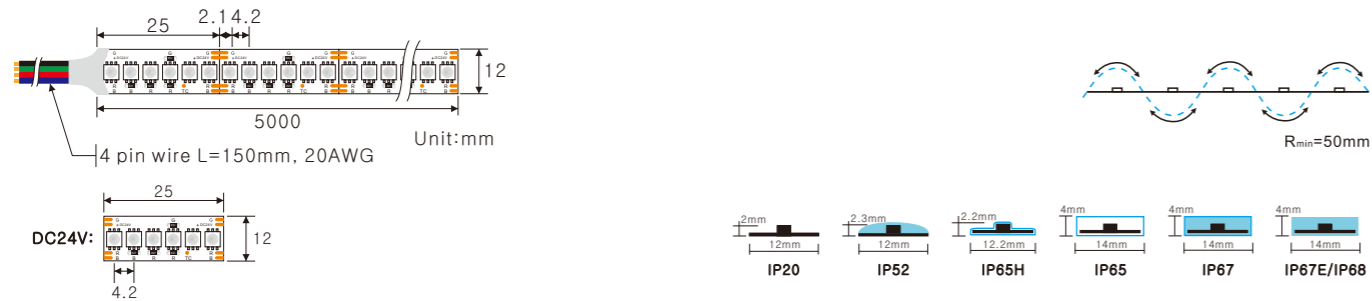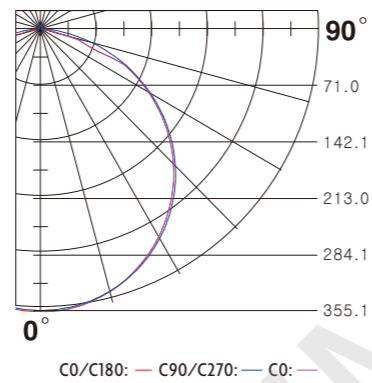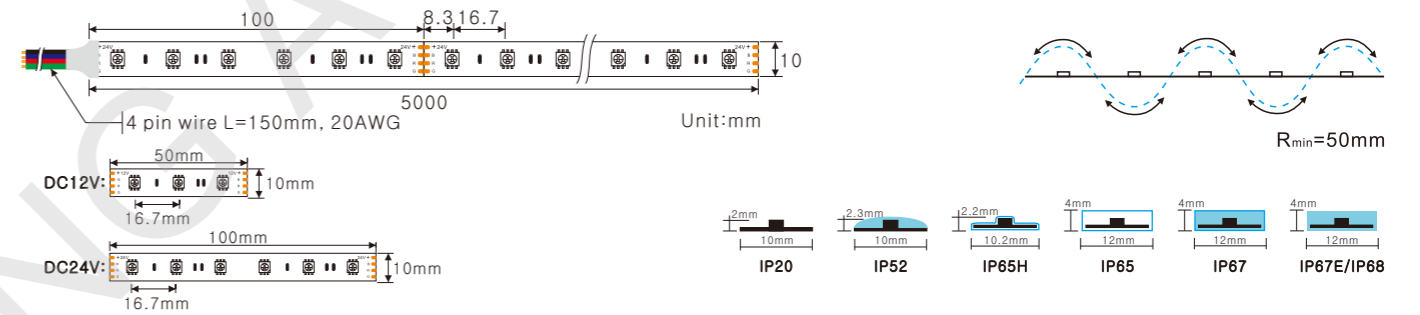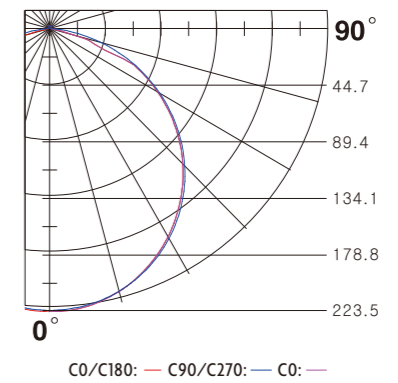| Color	CCT/Wavelength	Power (w/m)	Lumen (lm/m)	Efficacy (lm/w)
Red	620nm	3.58	93.72	26.18
Green	520nm	4.37	349.12	79.89
Blue	465nm	4.05	75.94	18.75
RGB	/	12	500.64	41.72

Order code: LY120-S3838RGB-W24-[IP20] → IP20/IP52/IP65H/IP65/IP67/IP67E/IP68

RGB 3838SMD 240LEDs

▶ 3838 LED with broader luminous surface
▶ Self-encapsulated design
▶ High quality PCB, high thermal 3M adhesive
▶ widely adaptable to all types of controllers

RGB | Dimmable | 120° Beam angle | Cuttable | 5m/Reel | 50000 hours Lifetime | LM80 Compliant | 5 YEARS WARRANTY

DIMENSIONS & WATERPROOF

25 2.14.2
12
5000
Unit:mm
4 pin wire L=150mm, 20AWG

DC24V: 25 12 4.2

R min=50mm

2mm 12mm IP20 | 2.3mm 12mm IP52 | 2.2mm 12.2mm IP65H | 4mm 14mm IP65 | 4mm 14mm IP67 | 4mm 14mm IP67E/IP68
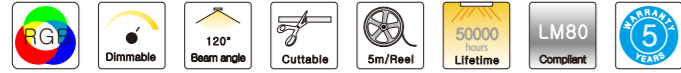
PRODUCT SPECIFICATION

Dimension	5000mmx12mmx2mm
Chip density	240LEDs/m,4.2mm LED pitch
Step LEDs	6LED(24V)
Step length	25mm(24V)
Power(W)	24Watt/meter
Voltage(V)	DC24V
Current(A/m)	1A(24V)
Copper foil	2oz
Ambient temperature	−20°C~+50°C

POLAR CURVE (Base on IP20 RGB)

90°
71.0
142.1
213.0
284.1
355.1
0°

C0/C180: — C90/C270: — C0: —

PRODUCT PHOTOMETRICS (The data base on IP20 24V)

Color	CCT/Wavelength	Power (w/m)	Lumen (lm/m)	Efficacy (lm/w)
Red	620nm	7.72	208.21	26.97
Green	520nm	8.38	670.32	79.99
Blue	465nm	7.90	149.94	18.98
RGB	/	24	1009.2	42.05

Note: Wave length: Red 620~625nm, Green 515~525nm, Blue 465~470nm, Yellow 585~595nm, Customized CCT can be realized according to specific requirements.

Order code: LY240−S3838RGB−W24− IP20 → IP20/IP52/IP65H/IP65/IP67/IP67E/IP68

RGB 5050SMD 60LEDs

▶ 5050 LED with broader luminous surface
▶ Self-encapsulated design
▶ High quality PCB, high thermal 3M adhesive
▶ widely adaptable to all types of controllers

RGB | Dimmable | 120° Beam angle | Cuttable | 5m/Reel | 50000 hours Lifetime | LM80 Compliant | 5 YEARS WARRANTY

DIMENSIONS & WATERPROOF

100 8.3 16.7
10
5000
Unit:mm
4 pin wire L=150mm, 20AWG

DC12V: 50mm 10mm 16.7mm

DC24V: 100mm 10mm 16.7mm

R min=50mm

2mm 10mm IP20 | 2.3mm 10mm IP52 | 2.2mm 10.2mm IP65H | 4mm 12mm IP65 | 4mm 12mm IP67 | 4mm 12mm IP67E/IP68

PRODUCT SPECIFICATION

Dimension	5000mmx10mmx2mm
Chip density	60LEDs/m,16.7mm pitch
Step LEDs	6LEDs(24V)/3LEDs(12V)
Step length	100mm(24V)/50mm(12V)
Power(W)	14.4Watt/meter
Voltage(V)	DC24V/DC12V
Current(A/m)	0.6A(24V)/1.2A(12V)
Copper foil	2oz
Ambient temperature	−20°C~+50°C

POLAR CURVE (Base on IP20 RGB)

90°
44.7
89.4
134.1
178.8
223.5
0°

C0/C180: — C90/C270: — C0: —

PRODUCT PHOTOMETRICS (The data base on IP20 24V)

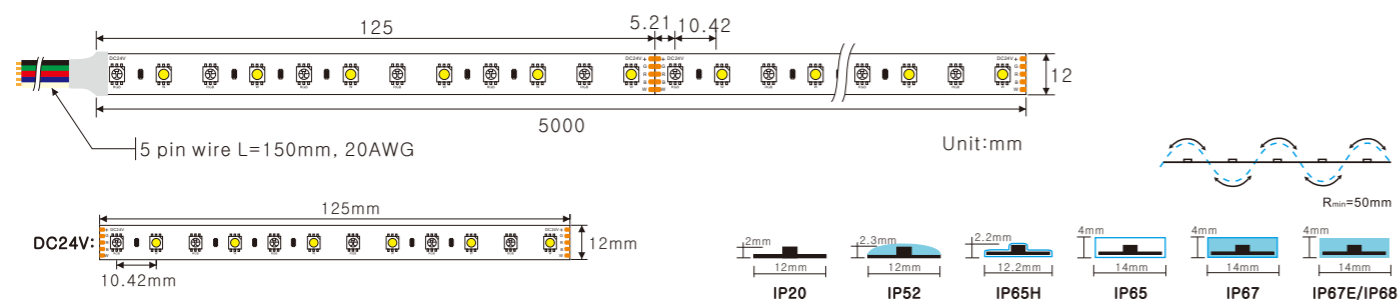| Color	CCT/Wavelength	Power (w/m)	Lumen (lm/m)	Efficacy (lm/w)
Red	620nm	4.8	132.13	27.53
Green	520nm	4.8	434.08	90.43
Blue	465nm	4.8	79.08	16.48
RGB	/	14.4	635.13	44.11

Order code: LY60−S5050RGB− W24 − IP20 → IP20/IP52/IP65H/IP65/IP67/IP67E/IP68
→ Voltage:W12/W24

RGB+W 5050SMD 96LEDs

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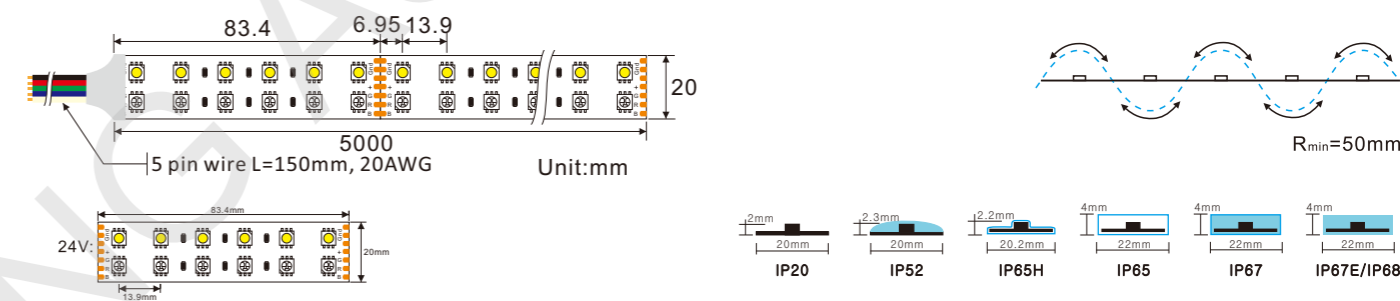▸ widely adaptable to all types of RGBW controllers

| 2100K | 2400K | 2700K | 3000K | 4000K | 6000K | R | G | B | RGB | CRI >90 |
| One Bin | Dimmable | 120° Beam angle | Cuttable | 5m/Reel | 50000 hours Lifetime | LM80 Compliant | 5 YEARS WARRANTY |

DIMENSIONS & WATERPROOF

5 pin wire L=150mm, 20AWG

5000

Unit:mm

DC24V: 125mm 10.42mm 12mm

Rmin=50mm

IP20 IP52 IP65H IP65 IP67 IP67E/IP68
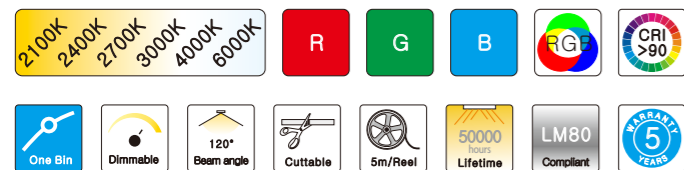
PRODUCT SPECIFICATION

Dimension	5000mmx12mmx2mm
Chip density	96LEDs/m,10.42mm pitch
Step LEDs	12LED
Step length	125mm
Power(W)	23Watt/meter
Voltage(V)	DC24V
Current(A/m)	0.96A
Copper foil	2oz
Ambient temperature	−20°C~+50°C
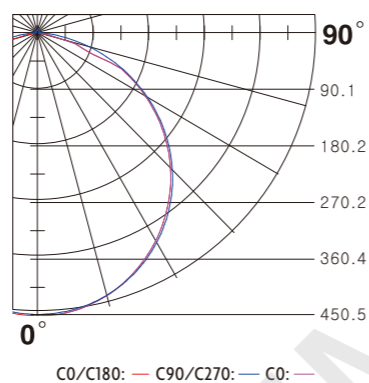
POLAR CURVE (Base on IP20 CRI > 90 RGB+6000K)

C0/C180: — C90/C270: — C0: —

PRODUCT PHOTOMETRICS (The data base on IP20 24V)

Color	CCT/Wavelength	Power (w/m)	Lumen (lm/m)	Efficacy (lm/w)
Red	620nm	3.33	99.9	30.00
Green	520nm	3.72	319.92	86.00
Blue	465nm	3.44	61.92	18.00
W	6000K	11.00	935.00	85.00
RGBW	/	20.32	1280.16	63.00

Note: Wave length: Red 620~625nm, Green 515~525nm, Blue 465~470nm, Yellow 585~595nm, Customized CCT can be realized according to specific requirements.
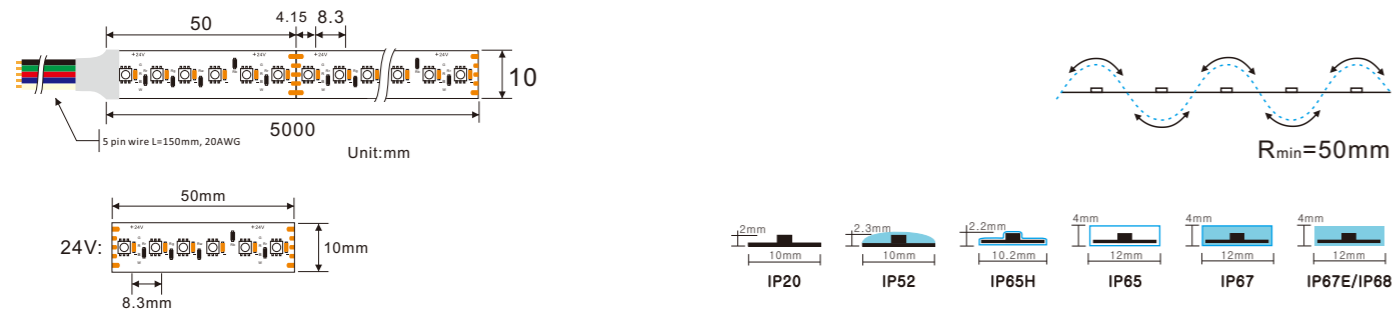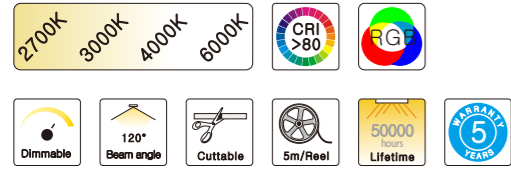
Order code: LY96−S5050 RGBW27 −W24− IP20 → IP20/IP52/IP65H/IP65/IP67/IP67E/IP68

RGBW21/RGBW24/RGBW27/RGBW30/RGBW40/RGBW60

RGB+W 5050SMD 144LEDs

▸ 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

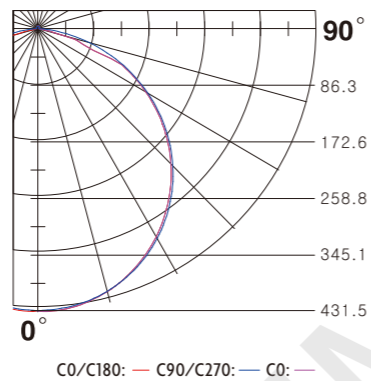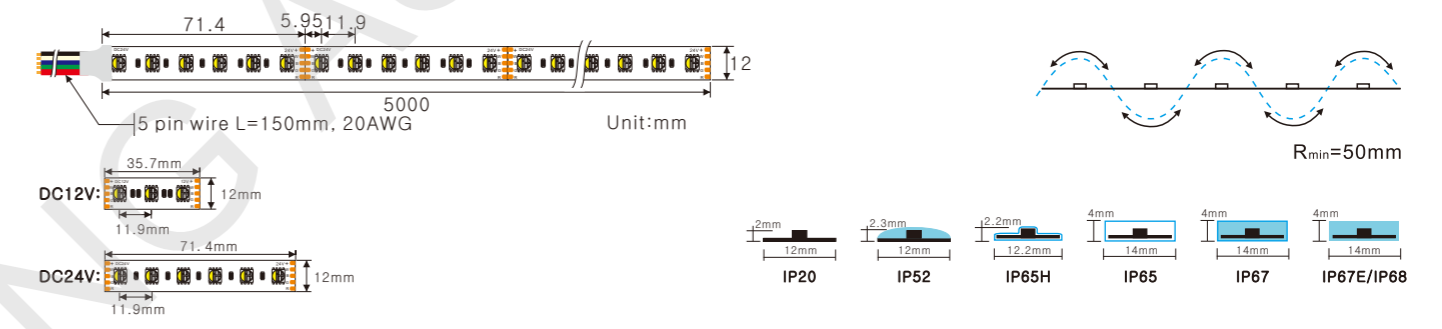| RGB | Dimmable | 120° Beam angle | Cuttable | 5m/Reel | 50000 hours Lifetime | LM80 Compliant | 5 YEARS WARRANTY |

DIMENSIONS & WATERPROOF

5 pin wire L=150mm, 20AWG

5000

Unit:mm

24V: 83.4mm 13.9mm 20mm

Rmin=50mm

IP20 IP52 IP65H IP65 IP67 IP67E/IP68

PRODUCT SPECIFICATION

Dimension	5000mmx20mmx2mm
Chip density	144LEDs/m,13.9mm pitch
Step LEDs	12LEDs
Step length	83.4mm
Power(W)	34.4Watt/meter
Voltage(V)	DC24V
Current(A/m)	1.43A
Copper foil	2oz
Ambient temperature	−20°C~+50°C
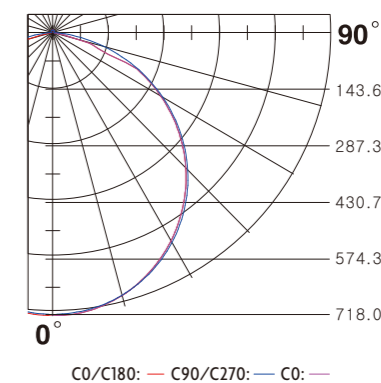
POLAR CURVE (Base on IP20 RGB+6000K)

C0/C180: — C90/C270: — C0: —

PRODUCT PHOTOMETRICS (The data base on IP20 24V)

Color	CCT/Wavelength	Power (w/m)	Lumen (lm/m)	Efficacy (lm/w)
Red	620nm	4.83	140.07	29.00
Green	520nm	6.02	499.66	83.00
Blue	465nm	5.63	90.08	16.00
W	6000K	16.00	1360.00	85.00
RGBW	/	31.88	2040.32	64.00

Note: Wave length: Red 620~625nm, Green 515~525nm, Blue 465~470nm, Yellow 585~595nm, Customized CCT can be realized according to specific requirements.

Order code: LY144−S5050RGBW24− IP20 → IP20/IP52/IP65H/IP65/IP67/IP67E/IP68

RGB+W 3838SMD&2010SMD 240LEDs

▸ 3838SMD&2010SMD 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 | LM80 Compliant | 5 YEARS WARRANTY |

DIMENSIONS & WATERPROOF

50   4.15 8.3

10

5000

Unit:mm

5 pin wire L=150mm, 20AWG

24V: 50mm   10mm   8.3mm

R min=50mm

| 2mm 10mm IP20 | 2.3mm 10mm IP52 | 2.2mm 10.2mm IP65H | 4mm 12mm IP65 | 4mm 12mm IP67 | 4mm 12mm IP67E/IP68 |
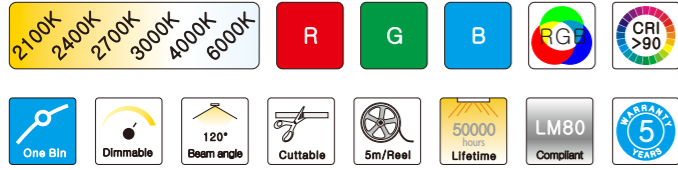
PRODUCT SPECIFICATION

Dimension	5000mmx10mmx2mm
Chip density	240LEDs/m,8.3mm pitch
Step LEDs	12LED
Step length	50mm
Power(W)	19.2Watt/meter
Voltage(V)	DC24V
Current(A/m)	0.8A
Copper foil	2oz
Ambient temperature	−20°C~+50°C

POLAR CURVE (Base on IP20 CRI > 90 RGB+6000K)

90°
79.6
159.2
238.7
318.3
397.9

0°

C0/C180: — C90/C270: — C0: —
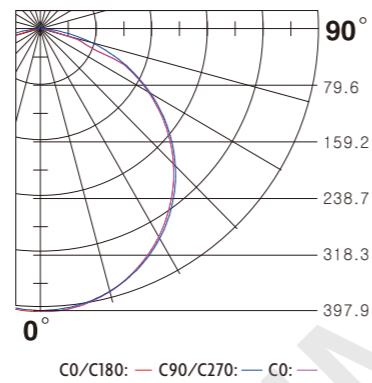
PRODUCT PHOTOMETRICS (The data base on IP20 24V)

Color	CCT/Wavelength	Power (w/m)	Lumen (lm/m)	Efficacy (lm/w)
Red	620nm	4.8	297.60	26.00
Green	520nm	4.8	355.20	74.00
Blue	465nm	4.8	67.20	14.00
W	6000K	4.8	430.08	89.62
RGBW	/	19.2	1130.68	58.89

Note: Wave length: Red 620~625nm, Green 515~525nm, Blue 465~470nm, Yellow 585~595nm, Customized CCT can be realized according to specific requirements.

Order code: LY240-S3838 RGBW20 -W24- IP20 → IP20/IP52/IP65H/IP65/IP67/IP67E/IP68

→ RGBW20/RGBW25/RGBW27/RGBW30/RGBW35/RGBW40/RGBW50/RGBW60

RGBW 5050SMD 60LEDs (4 in 1)

▶ 5050 LED RGB+white 4 chips in 1LED colorful strip
▶ High quality PCB,high thermal 3M adhesive
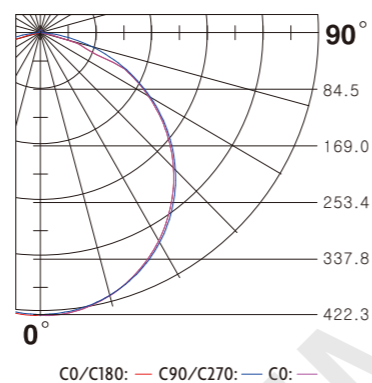▶ Widely adaptable to all types of RGBW controllers

2700K 3000K 4000K 6000K | CRI >80 | RGB

Dimmable | 120° Beam angle | Cuttable | 5m/Reel | 50000 Lifetime | 5 YEARS

DIMENSIONS & WATERPROOF

100 8.3 16.7 12
5000
5 pin wire L=150mm, 20AWG
Unit:mm

R min=50mm

DC12V 50mm 12mm
16.7mm

DC24V 100mm 12mm
16.7mm

2mm 12mm IP20 | 2.3mm 12mm IP52 | 2.2mm 12.2mm IP65H | 4mm 14mm IP65 | 4mm 14mm IP67 | 4mm 14mm IP67E/IP68

PRODUCT SPECIFICATION

Dimension	5000mmx12mmx2mm
Chip density	60LEDs/m,16.7mm pitch
Step LEDs	6LED(24V)/3LED(12V)
Step length	100mm(24V)/50mm(12V)
Power(W)	19.2Watt/meter
Voltage(V)	DC24V/DC12V
Current(A/m)	0.8A(24V)1.6A(12V)
Copper foil	2oz
Ambient temperature	−20°C~+50°C

POLAR CURVE (Base on IP20 RGB+6000K)

90°
86.3
172.6
258.8
345.1
431.5
0°

C0/C180: — C90/C270: — C0:

PRODUCT PHOTOMETRICS (The data base on IP20 24V CRI > 80)

Color	CCT/Wavelength	Power (w/m)	Lumen (lm/m)	Efficacy (lm/w)
Red	620nm	4.26	141.98	33.33
Green	520nm	5.37	441.46	82.21
Blue	465nm	4.77	122.87	25.76
W	6000K	4.8	517.68	107.85
RGBW	/	19.2	1226.11	63.86

Order code: LY60−LS5050 RGBW27 − W24 − IP20 → IP20/IP52/IP65H/IP65/IP67/IP67E/IP68
→ Voltage:W12/W24
→ RGBW27/RGBW30/RGBW40/RGBW60

RGBW 5050SMD 84LEDs (4 in 1)

▶ 5050 LED RGB+white 4 chips in 1LED colorful strip
▶ High quality PCB,high thermal 3M adhesive
▶ Widely adaptable to all types of RGBW controllers

2700K 3000K 4000K 6000K | CRI >80 | RGB

Dimmable | 120° Beam angle | Cuttable | 5m/Reel | 50000 Lifetime | 5 YEARS

DIMENSIONS & WATERPROOF

71.4 5.95 11.9 12
5000
5 pin wire L=150mm, 20AWG
Unit:mm

R min=50mm

DC12V 35.7mm 12mm
11.9mm

DC24V 71.4mm 12mm
11.9mm

2mm 12mm IP20 | 2.3mm 12mm IP52 | 2.2mm 12.2mm IP65H | 4mm 14mm IP65 | 4mm 14mm IP67 | 4mm 14mm IP67E/IP68

PRODUCT SPECIFICATION

Dimension	5000mmx12mmx2mm
Chip density	84LEDs/m,11.9mm pitch
Step LEDs	6LED(24V)/3LED(12V)
Step length	71.4mm(24V)/35.7mm(12V)
Power(W)	26.8Watt/meter
Voltage(V)	DC24V/DC12V
Current(A/m)	1.12A(24V)/2.24A(12V)
Copper foil	2oz
Ambient temperature	−20°C~+50°C
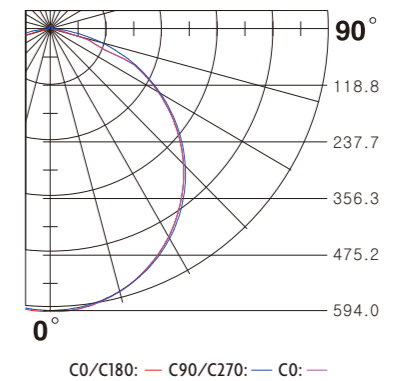
POLAR CURVE (Base on IP20 RGB+6000K)

90°
118.8
237.7
356.3
475.2
594.0
0°

C0/C180: — C90/C270: — C0:

PRODUCT PHOTOMETRICS (The data base on IP20 24V CRI > 80)

Color	CCT/Wavelength	Power (w/m)	Lumen (lm/m)	Efficacy (lm/w)
Red	620nm	5.65	192.10	34.00
Green	520nm	6.79	549.99	81.00
Blue	465nm	6.00	150.00	25.00
W	6000K	7.14	749.70	105.00
RGBW	/	25.40	1600.20	63.00

Order code: LY84−LS5050 RGBW27 − W24 − IP20 → IP20/IP52/IP65H/IP65/IP67/IP67E/IP68
→ Voltage:W12/W24
→ RGBW27/RGBW30/RGBW40/RGBW60

RGBTW 5050SMD 60LEDs (5 in 1)

▸ 5050 LED RGB+warm white+cool white 5 chips in 1LED colorful strip
▸ High quality PCB,high thermal 3M adhesive
▸ Widely adaptable to all types of RGBW controllers

[2400K] [6000K] [CRI >80] [RGB] [Dimmable]

[120° Beam angle] [Cuttable] [5m/Reel] [50000 hours Lifetime] [5 YEARS WARRANTY]

DIMENSIONS & WATERPROOF

100 · 8.3 · 16.7
5000
12
6 pins wire L=150mm, 20AWG
Unit: mm

DC24V: 100mm · 16.7mm · 12mm

Rmin=50mm

IP20 (2mm/12mm) · IP52 (2.3mm/12mm) · IP65H (2.2mm/12.2mm) · IP65 (4mm/14mm) · IP67 (4mm/14mm) · IP67E/IP68 (4mm/14mm)

PRODUCT SPECIFICATION

Dimension	5000mmx12mmx2mm
Chip density	60LEDs/m,16.7mm pitch
Step LEDs	6LED
Step length	100mm
Power(W)	19.2Watt/meter
Voltage(V)	DC24V
Current(A/m)	0.8A
Copper foil	2oz
Ambient temperature	−20°C~+50°C

POLAR CURVE (Base on IP20 RGB+2400K+6000K)

90°
84.5
169.0
253.4
337.8
422.3
0°
C0/C180: — C90/C270: — C0: —

PRODUCT PHOTOMETRICS (The data base on IP20 24V CRI > 80)

Color	CCT/Wavelength	Power (w/m)	Lumen (lm/m)	Efficacy (lm/w)
Red	620nm	3.32	107.90	32.50
Green	520nm	3.27	244.95	74.91
Blue	465nm	3.57	65.72	18.41
WW	2400K	3.72	311.28	83.68
W	6000K	3.73	390.08	104.58
RGBTW	/	18.24	1101.14	60.37

Order code: LY60−LS5050RGBTW−W24−[IP20] → IP20/IP52/IP65H/IP65/IP67/IP67E/IP68

RGBTW 3838SMD&2010SMD 360LEDs

▸ 3838&2010 LED RGB+white colorful strip
▸ High quality PCB,high thermal 3M adhesive
▸ Widely adaptable to all types of RGBW controllers

[2700K] [3000K] [4000K] [6000K] [CRI >90] [RGB]

[Dimmable] [120° Beam angle] [Cuttable] [5m/Reel] [50000 hours Lifetime] [5 YEARS WARRANTY]

DIMENSIONS & WATERPROOF

50 · 4.15 8.3
5000
12
5 pin wire L=150mm, 20AWG
Unit:mm

DC24V: 50mm · 8.3mm · 12mm

Rmin=50mm

IP20 (2mm/12mm) · IP52 (2.3mm/12mm) · IP65H (2.2mm/12.2mm) · IP65 (4mm/14mm) · IP67 (4mm/14mm) · IP67E/IP68 (4mm/14mm)
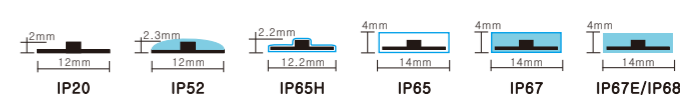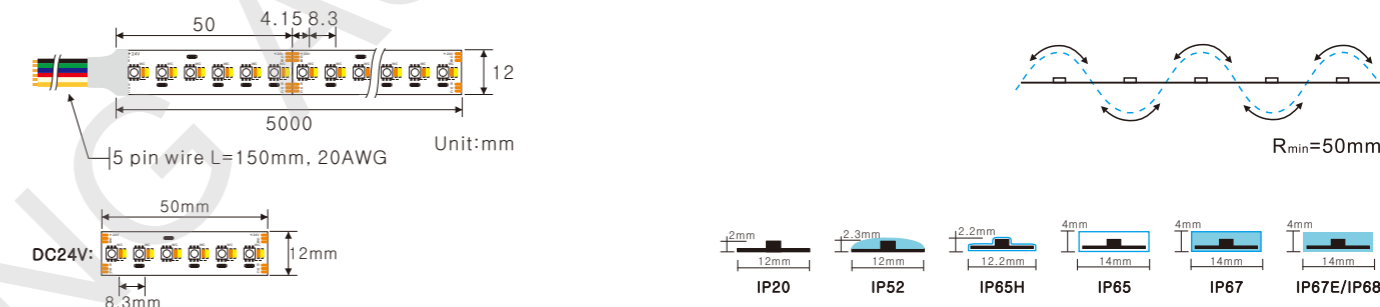
PRODUCT SPECIFICATION

Dimension	5000mmx12mmx2mm
Chip density	360LEDs/m,8.3mm pitch
Step LEDs	18LED
Step length	50mm
Power(W)	24Watt/meter
Voltage(V)	DC24V
Current(A/m)	1A
Copper foil	2oz
Ambient temperature	−20°C~+50°C

POLAR CURVE (Base on IP20 RGB+2700K+6000K)
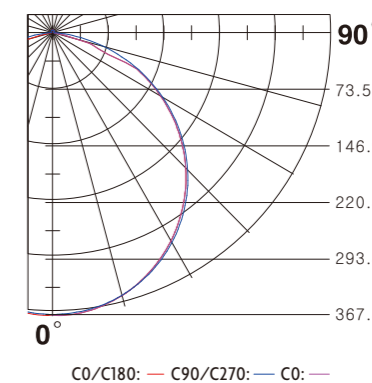
90°
73.5
146.9
220.3
293.8
367.3
0°
C0/C180: — C90/C270: — C0: —

PRODUCT PHOTOMETRICS (The data base on IP20 24V CRI > 80)

Color	CCT/Wavelength	Power (w/m)	Lumen (lm/m)	Efficacy (lm/w)
Red	620nm	4.8	116.25	24.22
Green	520nm	4.8	326.44	68.01
Blue	465nm	4.8	835.68	17.41
WW	2700K	4.8	288.00	60.00
W	6000K	4.8	360.00	75.00
RGBW	/	24	1043.76	43.49

Order code: LY360−S3838RGBTW−W24−[IP20] → IP20/IP52/IP65H/IP65/IP67/IP67E/IP68

ADDRESSABLE
COLORFUL SERIES

___

Individual addressable led strip is also called digital led strip, pixel led strip, programmable led strip, chasing led strip, magic led strip, or dream color led strip, is a led strip with control ICs that allow you to control individual LEDs or groups of LEDs. You can control a specific part of the led strip, which is why it is called 'addressable'.

- DMX512 / SPI are available
- RGB / RGBW are available
- 5V / 12V / 24V are available
- IP20/IP52/IP65/IP67/IP68 are available

DMX RGB 5050SMD 60LEDs

▸ Compatible with DMX512(1990) protocol.
▸ Adopting RS485 signal trunk and signal differential transmission mode to ensure stronger ablility of anti-interference and longer transmission distance
▸ Auto matically addressing with editor
▸ High quality PCB, high thermal 3M adhesive

RGB | 120° Beam angle | Cuttable | 5m/Reel | 50000 hours Lifetime | LM80 Compliant | 2 YEARS WARRANTY

DIMENSIONS & WATERPROOF

100   8.3 16.7   12
5 pin wire L=150mm, 20AWG   5000   Unit:mm

Rmin=50mm

DC24V   100   12mm
16.7mm

2mm 12mm IP20   4mm 14mm IP65

PRODUCT SPECIFICATION

Dimension	5000mmx12mmx2mm
Chip density	60LED,16.7mm LED pitch
Pixel density	10Pixels/m
Step LEDs	6LED
Step length	100mm
Power(W)	14.4Watt/meter
Voltage(V)	DC24V
Current(A/m)	0.6A
Copper foil	2oz
Ambient temperature	−20°C~+50°C

POLAR CURVE (The data base on IP20)

90°
26.7
53.5
80.2
107.0
133.7
0°

C0/C180:   C90/C270:   C0:

PRODUCT PHOTOMETRICS (The data base on IP20)

Color	CCT/Wavelength	Power (w/m)	Lumen (lm/m)	Efficacy (lm/w)
Red	620nm	6	61	10.2
Green	520nm	6	268	44.7
Blue	465nm	6	51	8.5
RGB	/	14.4	380	26.4

Order code: LY60−DMXS5050RGB−W24−IP20 → IP20/IP65

DMX RGBW 5050SMD 60LEDs

▸ Compatible with DMX512(1990) protocol.
▸ Adopting RS485 signal trunk and signal differential transmission mode to ensure stronger ablility of anti-interference and longer transmission distance
▸ Auto matically addressing with editor
▸ High quality PCB, high thermal 3M adhesive

3000K 4000K 6000K | CRI>80 | RGB | 2 YEARS WARRANTY

Dimmable | 120° Beam angle | Cuttable | 5m/Reel | 50000 hours Lifetime

DIMENSIONS & WATERPROOF

100   8.3 16.7   12
5 pin wire L=150mm, 20AWG   5000   Unit:mm

Rmin=50mm

DC24V   100mm   12mm
16.7mm

2mm 12mm IP20   4mm 14mm IP65
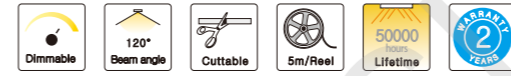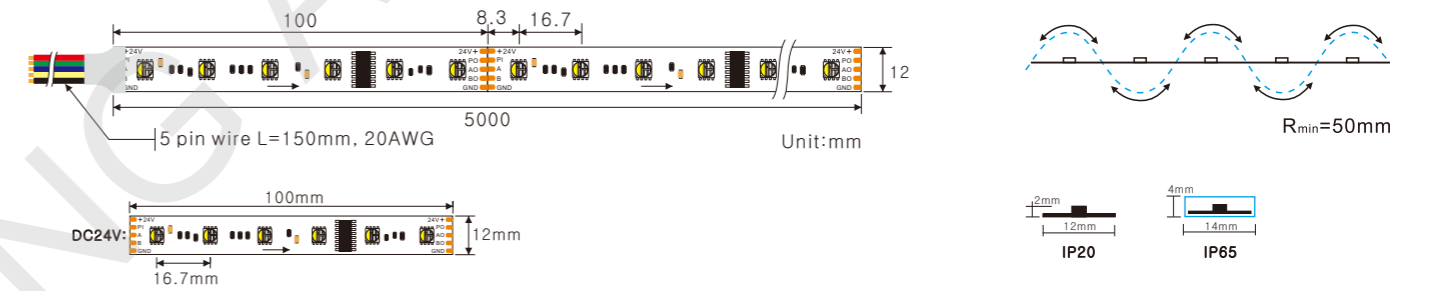
PRODUCT SPECIFICATION

Dimension	5000mmx12mmx2mm
Chip density	60LED,16.7mm LED pitch
Pixel density	10Pixels/m
Step LEDs	6LED
Step length	100mm
Power(W)	18.5Watt/meter
Voltage(V)	DC24V
Current(A/m)	0.77A
Copper foil	2oz
Ambient temperature	−20°C~+50°C
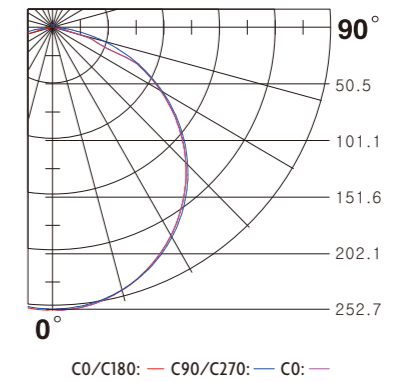
POLAR CURVE (The data base on IP20 RGB+4000K)

90°
50.5
101.1
151.6
202.1
252.7
0°

C0/C180:   C90/C270:   C0:

PRODUCT PHOTOMETRICS (The data base on IP20)

Color	CCT/Wavelength	Power (w/m)	Lumen (lm/m)	Efficacy (lm/w)
Red	620nm	6	94	15.7
Green	520nm	6	247	41.2
Blue	465nm	6	77	12.8
W	4000K	6	321	53.5
RGBW	/	18.5	718	38.8

Order code: LY60−DMXS5050RGBW27−W24−IP20 → IP20/IP65
→ RGBW27/RGBW30/RGBW40/RGBW60

SPI RGB SK6812 60LEDs

- 5050SMD with built-in IC SK6812
- Fully compatible with WS2812B
- Supporting numerous Color-change effects every single LED
- Flexible PCB 5V low voltage input
- High quality PCB, high thermal 3M adhesive

RGB | 120° Beam angle | Cuttable | 5m/Reel | 50000 hours Lifetime | LM80 Compliant | 2 YEARS WARRANTY

DIMENSIONS & WATERPROOF

8.27 16.54
5000
3 pin wire L=150mm, 20AWG
Unit:mm
R_min=50mm

16.54mm
DC5V 10mm

IP20 IP52 IP65H IP65 IP67 IP67E/IP68
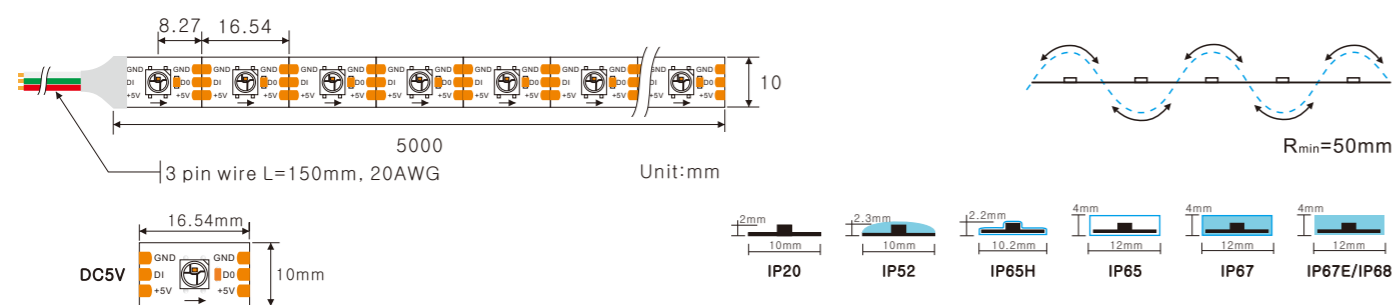
PRODUCT SPECIFICATION

Dimension	5000mmx10mmx2mm
Chip density	60LEDs/m,16.54mm pitch
Pixel density	60Pixels/m
Step LEDs	1LED
Step length	16.54mm
Power(W)	10.6Watt/meter
Voltage(V)	DC5V
Current(A/m)	2.12A
Copper foil	2oz
Ambient temperature	−20°C~+50°C
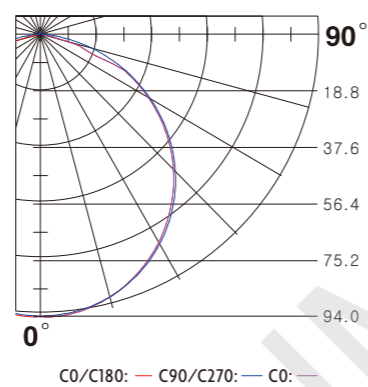
POLAR CURVE (Base on IP20)

90°
18.8
37.6
56.4
75.2
94.0
0°

C0/C180: — C90/C270: — C0: —

PRODUCT PHOTOMETRICS (The data base on IP20)

Color	CCT/Wavelength	Power (w/m)	Lumen (lm/m)	Efficacy (lm/w)
Red	620nm	3.5	59	16.9
Green	520nm	3.5	178	50.7
Blue	465nm	3.5	45	12.8
RGB	/	10.6	268	25.3

Order code: LY60-S5050RGB-W5-SK6812-IP20 → IP20/IP52/IP65H/IP65/IP67/IP67E/IP68

SPI RGBW SK6812 60LEDs

- RGB + white 4 chips in 1 LED colorful strip
- 5050SMD with built-in IC Sk6812,fully compatible with WS2812B
- Supporting numerous Color-change effects every single LED
- Flexible PCB 5V low voltage input
- High quality PCB, high thermal 3M adhesive

3000K 4000K 6000K | CRI>80 | RGB
Dimmable | 120° Beam angle | Cuttable | 5m/Reel | 50000 hours Lifetime | 2 YEARS WARRANTY

DIMENSIONS & WATERPROOF

8.3 16.54
5000
3 pin wire L=150mm, 20AWG
Unit:mm
R_min=50mm

16.54mm
DC5V 10mm

IP20 IP52 IP65H IP65 IP67 IP67E/IP68
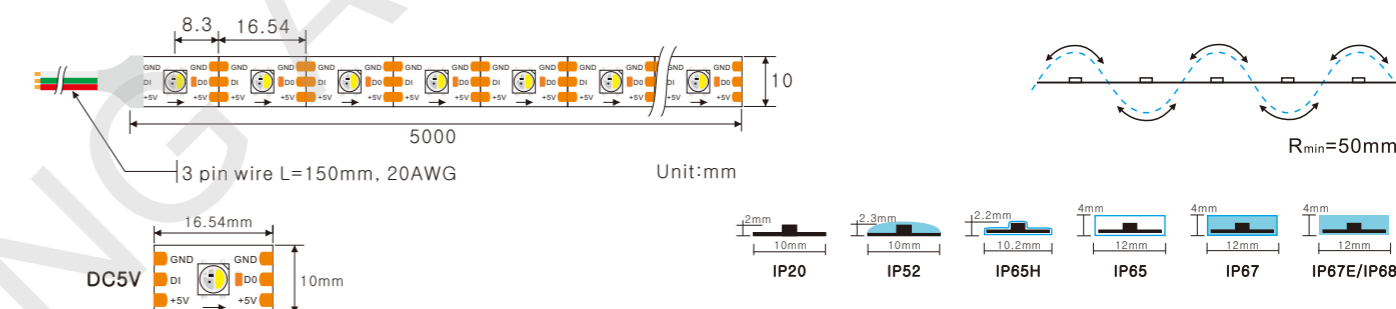
PRODUCT SPECIFICATION

Dimension	5000mmx10mmx2mm
Chip density	60LEDs/m,16.54mm pitch
Pixel density	60Pixels/m
Step LEDs	1LED
Step length	16.54mm
Power(W)	12Watt/meter
Voltage(V)	DC5V
Current(A/m)	2.4A
Copper foil	2oz
Ambient temperature	−20°C~+50°C

POLAR CURVE (Base on IP20 RGB+4000K)
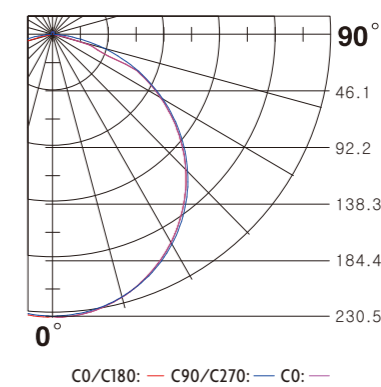
90°
46.1
92.2
138.3
184.4
230.5
0°

C0/C180: — C90/C270: — C0: —

PRODUCT PHOTOMETRICS (The data base on IP20)

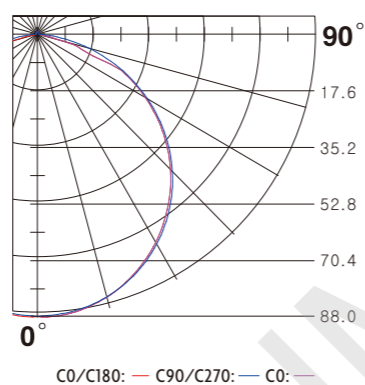| Color	CCT/Wavelength	Power (w/m)	Lumen (lm/m)	Efficacy (lm/w)
Red	620nm	2.5	47	18.8
Green	520nm	2.5	171	68.4
Blue	465nm	2.5	49	19.6
W	4000K	5	403	80.6
RGBW	/	12	655	54.6

Order code: LY60-LS5050RGBW30-W5-SK6812-IP20 → IP20/IP52/IP65H/IP65/IP67/IP67E/IP68
→ RGBW30/RGBW40/RGBW60

SPI RGB UCS1903 60LEDs

▶ Flexible PCB 12V or 24V low voltage input
▶ High quality PCB, high thermal 3M adhesive

RGB | 120° Beam angle | Cuttable | 5m/Reel | 50000 hours Lifetime | LM80 Compliant | 2 YEARS WARRANTY

DIMENSIONS & WATERPROOF

50 8.3 16.54 10
3 pin wire L=150mm, 20AWG 5000 Unit:mm

Rmin=50mm

DC12V 50mm 10mm
16.67mm 100mm

DC24V 10mm
16.67mm

IP20 | IP52 | IP65H | IP65 | IP67 | IP67E/IP68
2mm/10mm | 2.3mm/10mm | 2.2mm/10.2mm | 4mm/12mm | 4mm/12mm | 4mm/12mm
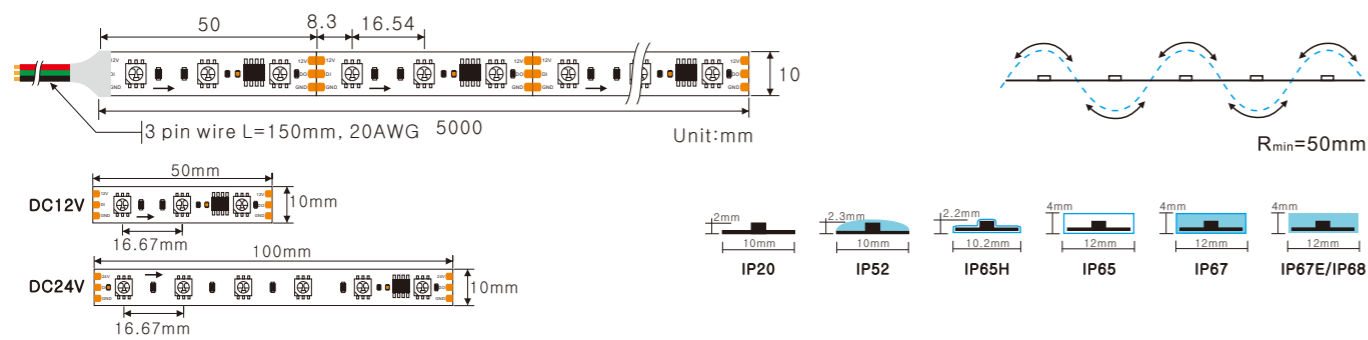
PRODUCT SPECIFICATION

Dimension	5000mmx10mmx2mm
Chip density	60LED,16.67mm LED pitch
Pixel density	20Pixels/m(12V) / 10Pixels/m(24V)
Step LEDs	3LED(12V)/6LED(24V)
Step length	50mm(12V)/100mm(24V)
Power(W)	14.4Watt/meter
Voltage(V)	DC12V/DC24V
Current(A/m)	1.2A/0.6A
Copper foil	2oz
Ambient temperature	−20°C~+50°C
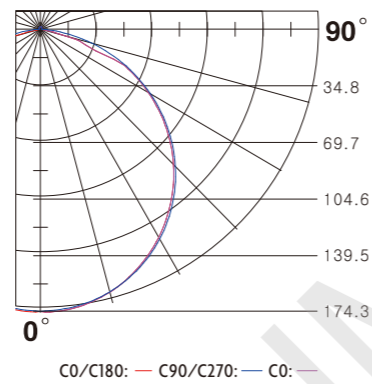
POLAR CURVE (The data base on IP20)

90°
34.8
69.7
104.6
139.5
174.3
0°

C0/C180: — C90/C270: — C0: —

PRODUCT PHOTOMETRICS (The data base on IP20)

Color	CCT/Wavelength	Power (w/m)	Lumen (lm/m)	Efficacy (lm/w)
Red	620nm	4.63	107.32	23.18
Green	520nm	5.04	346.75	68.80
Blue	465nm	4.72	64.19	13.60
RGB	/	14.4	531.07	36.88

Order code: LY60−S5050RGB−W24−UCS1903−IP20 → IP20/IP52/IP65H/IP65/IP67/IP67E/IP68
→Voltage:W12/W24

SPI RGBW UCS2904 60LEDs

▶ Flexible PCB 12V or 24V low voltage input
▶ High quality PCB, high thermal 3M adhesive
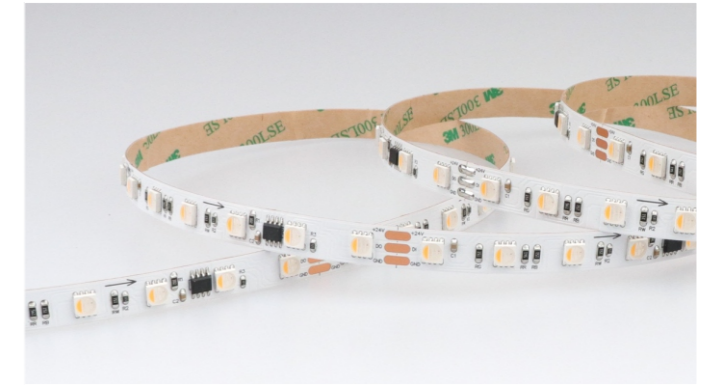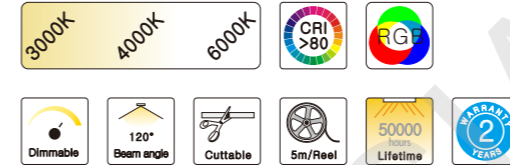
3000K 4000K 6000K | CRI >80 | RGB

Dimmable | 120° Beam angle | Cuttable | 5m/Reel | 50000 hours Lifetime | 2 YEARS WARRANTY

DIMENSIONS & WATERPROOF

100 8.3 16.54 10
3 pin wire L=150mm, 20AWG 5000 Unit:mm

Rmin=50mm

DC12V 50mm 10mm
16.54mm 100mm

DC24V 10mm
16.54mm

IP20 | IP52 | IP65H | IP65 | IP67 | IP67E/IP68
2mm/10mm | 2.3mm/10mm | 2.2mm/10.2mm | 4mm/12mm | 4mm/12mm | 4mm/12mm
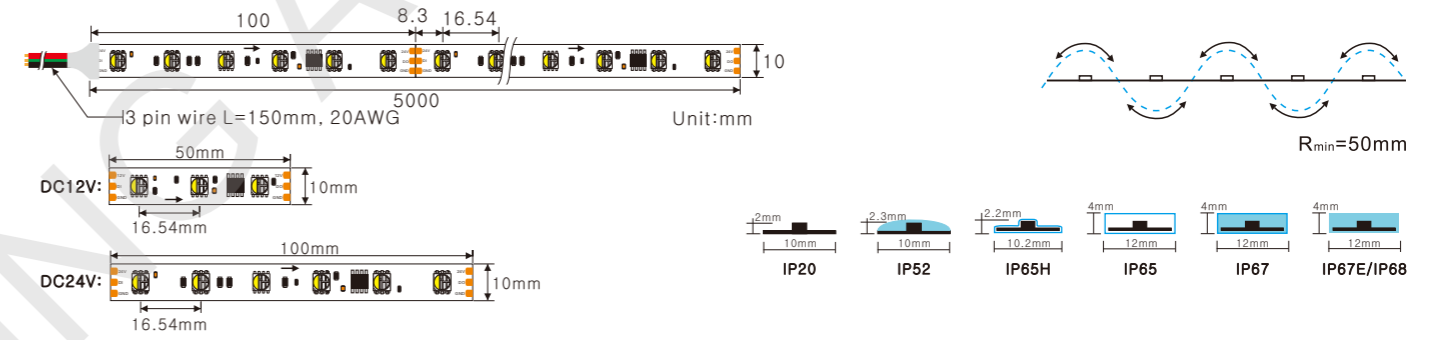
PRODUCT SPECIFICATION

Dimension	5000mmx10mmx2mm
Chip density	60LED,16.54mm LED pitch
Pixel density	20Pixels/m(12V) / 10Pixels/m(24V)
Step LEDs	3LED(12V)/6LED(24V)
Step length	50mm(12V)/100mm(24V)
Power(W)	18Watt/meter
Voltage(V)	DC12V/DC24V
Current(A/m)	1.5A/0.75A
Copper foil	2oz
Ambient temperature	−20°C~+50°C

POLAR CURVE (The data base on IP20 RGB+4000K)

90°
53.4
106.7
160.0
213.4
266.7
0°

C0/C180: — C90/C270: — C0: —
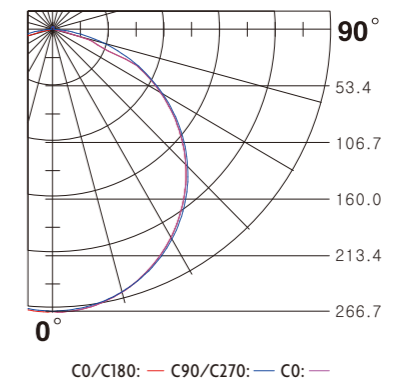
PRODUCT PHOTOMETRICS (The data base on IP20 24V CRI > 80)

Color	CCT/Wavelength	Power (w/m)	Lumen (lm/m)	Efficacy (lm/w)
Red	620nm	6	101	16.8
Green	520nm	6	259	43.2
Blue	465nm	6	77	12.9
W	4000K	6	341	56.9
RGBW	/	18	758	42.1

Order code: LY60−S5050RGBW30−W24−UCS2904−IP20 → IP20/IP52/IP65H/IP65/IP67/IP67E/IP68
→Voltage:W12/W24
→RGBW30/RGBW40/RGBW60

SPI RGB MT1809 60LEDs

▶ 5050SMD with built-in IC GS8208B
▶ Supporting numerous Color-change effects every single LED
▶ Flexible PCB 12V low voltage input
▶ High quality PCB, high thermal 3M adhesive

RGB | 120° Beam angle | Cuttable | 5m/Reel | 50000 hours Lifetime | LM80 Compliant | 2 YEARS WARRANTY

DIMENSIONS & WATERPROOF

8.27 16.67

5000

Unit:mm

4pin+2pin wire L=150mm, 20AWG

Rmin=50mm

16.67mm

DC12V   10mm

IP20 | IP52 | IP65H | IP65 | IP67 | IP67E/IP68
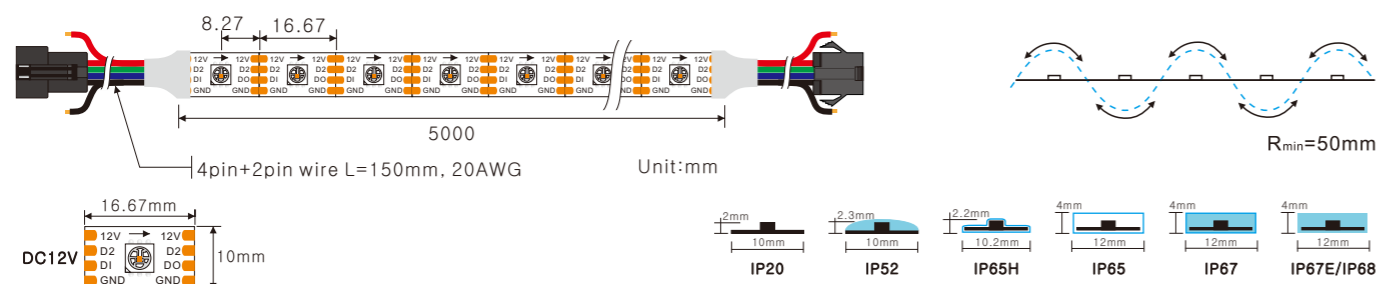
PRODUCT SPECIFICATION

Dimension	5000mmx10mmx2mm
Chip density	60LEDs/m,16.67mm pitch
Pixel density	60Pixels/m
Step LEDs	1LED
Step length	16.67mm
Power(W)	8Watt/meter
Voltage(V)	DC12V
Current(A/m)	0.67A
Copper foil	2oz
Ambient temperature	-20°C~+50°C

POLAR CURVE (The data base on IP20)

90°
17.6
35.2
52.8
70.4
88.0
0°

C0/C180: — C90/C270: — C0: —

PRODUCT PHOTOMETRICS (The data base on IP20)

Color	CCT/Wavelength	Power (w/m)	Lumen (lm/m)	Efficacy (lm/w)
Red	620nm	8	44	5.5
Green	520nm	8	164	20.5
Blue	465nm	8	40	5.0
RGB	/	8	250	31.3

Order code: LY60-S5050RGB-W12-MT1809-IP20 → IP20/IP52/IP65H/IP65/IP67/IP67E/IP68

SPI WHITE UCS1903 120LEDs

▶ Single-flow, gradient, chase, scan and other full-color effects.
▶ Splicing to achieve text movement and video animation and other dynamic effects.
▶ Can be bend and cut, can achieve a certain curvature and length of the modeling screen.
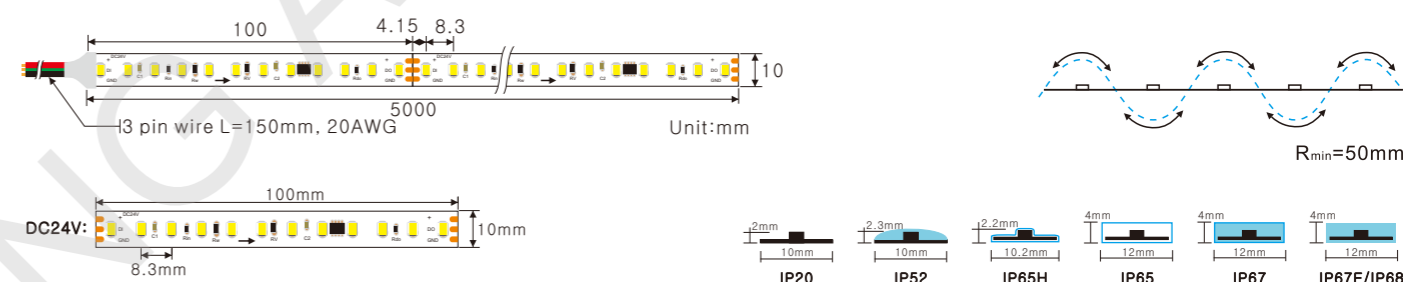
2700K 3000K 4000K 6500K | CRI >90

Dimmable | 120° Beam angle | Cuttable | 5m/Reel | 50000 hours Lifetime | 2 YEARS WARRANTY

DIMENSIONS & WATERPROOF

100   4.15 8.3

5000   10

Unit:mm

3 pin wire L=150mm, 20AWG

Rmin=50mm

100mm

DC24V: 10mm

8.3mm

IP20 | IP52 | IP65H | IP65 | IP67 | IP67E/IP68

PRODUCT SPECIFICATION

Dimension	5000mmx10mmx2mm
Chip density	60LED,16.54mm LED pitch
Pixel density	10Pixels/m
Step LEDs	6LED
Step length	100mm
Power(W)	14.4Watt/meter
Voltage(V)	DC24V
Current(A/m)	0.6A
Copper foil	2oz
Ambient temperature	-20°C~+50°C

POLAR CURVE (The data base on IP20 CRI>90 6500K)
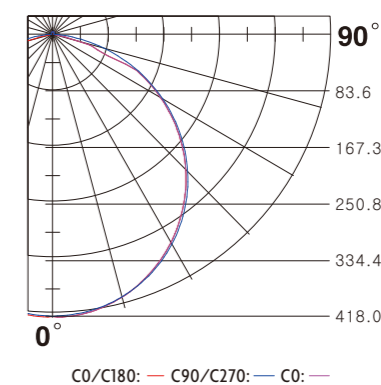
90°
83.6
167.3
250.8
334.4
418.0
0°

C0/C180: — C90/C270: — C0: —

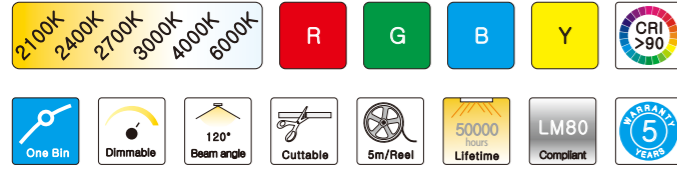## PRODUCT PHOTOMETRICS (The data base on IP20 24V)

CCT (K)	Lumen(lm/m) CRI>90	CRI>80	Efficacy(lm/w) CRI>90	CRI>80	CRI CRI>90	CRI>80	R9 CRI>90	CRI>80	Rf(Fidelity) CRI>90	CRI>80	Rg(Gamut) CRI>90	CRI>80
2700±100	996.5	1156.3	69.2	80.3	91.04	82.13	78.10	8.09	89.17	82.13	100.14	96.03
3000±100	1035.4	1186.6	71.9	82.4	91.01	82.34	79.02	6.07	90.02	81.18	102.18	92.17
4000±200	1199.5	1336.3	83.3	92.8	94.02	82.54	77.17	5.20	90.04	78.03	99.20	95.09
6500±300	1188.0	1347.8	82.5	93.6	92.16	82.01	82.13	6.02	91.04	86.11	101.09	96.07

Order code: LY120-S2835 W30 -W24-UCS1903-IP20 → IP20/IP52/IP65H/IP65/IP67/IP67E/IP68

→ W27/W30/W40/W65

SUPER LONG CC SERIES

The Super Long Constant Current (CC) LED strip light can achieve 50 meters, 30 meters, 20 meters, 15 meters per reel, and only needs to be connected to the power supply on one end, and the brightness of the beginning and the end are the same.

The Super Long Constant Current (CC) LED strips usually use thicker PCBs, such as 3 ounces or 4 ounces, and there will be constant current ICs on the PCB or ICs inside the LED.

It is widely used in high-end spaces and projects, such as exhibition halls, brand stores, special hotels, museums, galleries, households, schools, and hospitals.

50m SLCC 2835SMD 78LEDs

▸ 2835 LED Super long constant current design strip with one end power
▸ 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

| 2100K | 2400K | 2700K | 3000K | 4000K | 6000K | R | G | B | Y | CRI >90 |

One Bin | Dimmable | 120° Beam angle | Cuttable | 5m/Reel | 50000 hours Lifetime | LM80 Compliant | 5 YEARS

DIMENSIONS & WATERPROOF

166.7 6.4 12.8 10
50000
Red/black wire L=150mm, 18AWG   Unit:mm   Rmin=50mm

DC48V 166.7mm 10mm
12.8mm

IP20 2mm 10mm | IP52 2.3mm 10mm | IP65 4mm 12mm | IP67 4mm 12mm
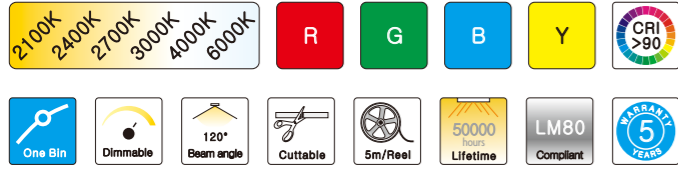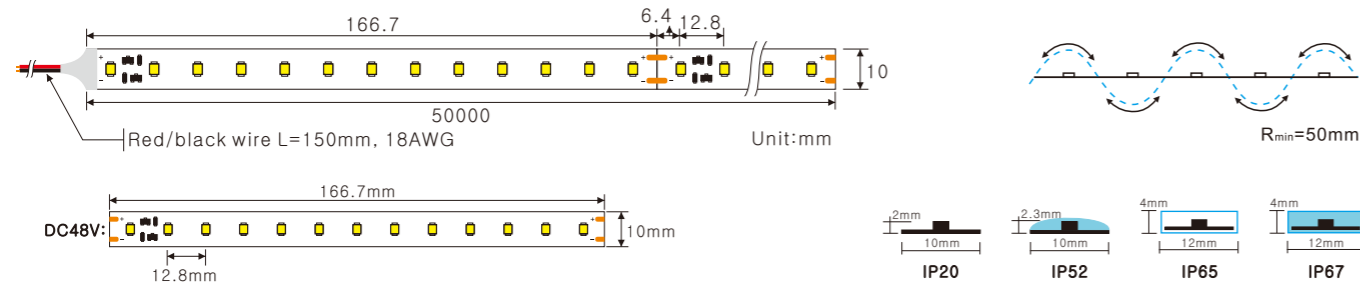
PRODUCT SPECIFICATION

Dimension	50000mmx10mmx2mm
Chip density	78LEDs/m,12.8mm pitch
Step LEDs	13LEDs
Step length	166.7mm
Power(W)	4.5Watt/meter
Voltage(V)	DC48V
Current(A/m)	0.09A
Copper foil	3oz
Ambient temperature	−20°C~+50°C
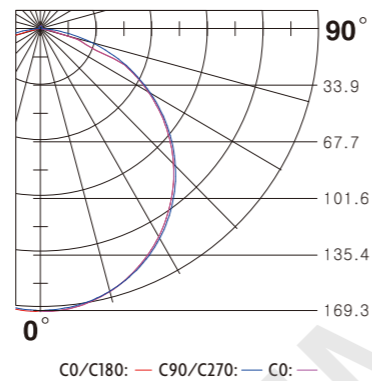
POLAR CURVE (Base on IP20 CRI > 90 6000K)

90°
33.9
67.7
101.6
135.4
169.3
0°
C0/C180: — C90/C270: — C0: —

PRODUCT PHOTOMETRICS (The data base on IP20)

CCT (K)	Lumen(lm/m) CRI>90 | CRI>80	Efficacy(lm/w) CRI>90 | CRI>80	CRI CRI>90 | CRI>80	R9 CRI>90 | CRI>80	Rf(Fidelity) CRI>90 | CRI>80	Rg(Gamut) CRI>90 | CRI>80
2100±100	336.07 | 470.04	80.02 | 111.91	91.68 | 81.61	69.19 | 7.15	86.17 | 81.12	101.15 | 90.16
2400±100	370.05 | 504.05	88.11 | 120.01	90.12 | 81.05	76.11 | 5.18	90.02 | 83.06	101.20 | 92.02
2700±100	392.01 | 529.13	93.34 | 125.98	91.12 | 82.02	78.04 | 8.19	89.18 | 82.11	100.13 | 96.06
3000±100	403.08 | 554.08	95.97 | 131.92	91.18 | 82.22	79.07 | 6.19	90.15 | 81.06	102.08 | 92.20
4000±200	457.69 | 569.16	108.97 | 135.51	94.01 | 82.66	77.18 | 5.18	90.11 | 78.06	99.06 | 95.13
6000±300	481.10 | 573.10	114.55 | 136.45	92.17 | 82.02	82.20 | 6.19	91.18 | 86.06	101.05 | 96.03

Note: Wave length: Red 620~625nm, Green 515~525nm, Blue 465~470nm, Yellow 585~595nm, Customized CCT can be realized according to specific requirements.
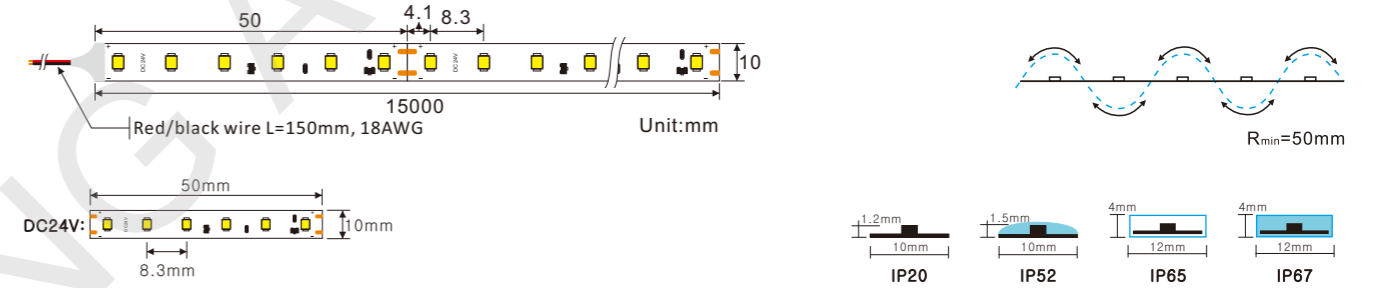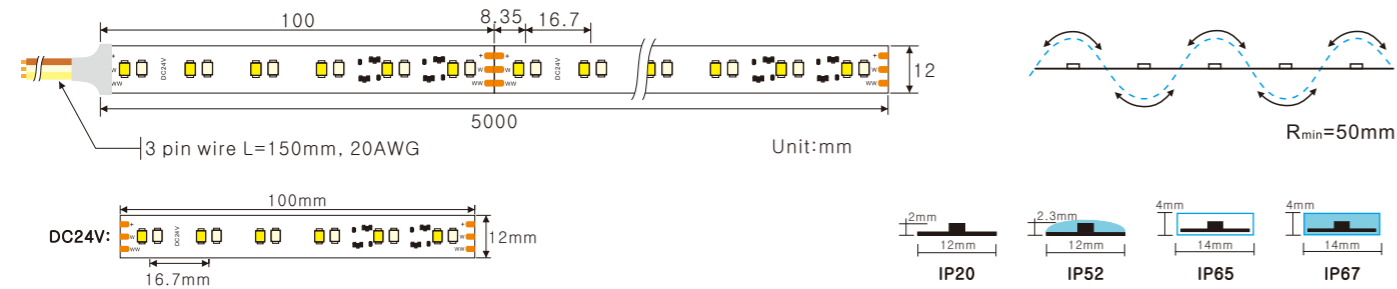
Order code: LY78-CS2835 W30 -W48- IP20 → IP20/IP52/IP65/IP67
CCT:W21/W24/W27/W30/W40/W60

30m SLCC 2835SMD 90LEDs

▸ 2835 LED Super long constant current design strip with one end power
▸ 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

| 2100K | 2400K | 2700K | 3000K | 4000K | 6000K | R | G | B | Y | CRI >90 |

One Bin | Dimmable | 120° Beam angle | Cuttable | 5m/Reel | 50000 hours Lifetime | LM80 Compliant | 5 YEARS

DIMENSIONS & WATERPROOF

100 5.55 11.1 12
30000
Red/black wire L=150mm, 18AWG   Unit:mm   Rmin=50mm

DC36V 100mm 12mm
11.1mm

IP20 2mm 12mm | IP52 2.3mm 12mm | IP65 4mm 14mm | IP67 4mm 14mm
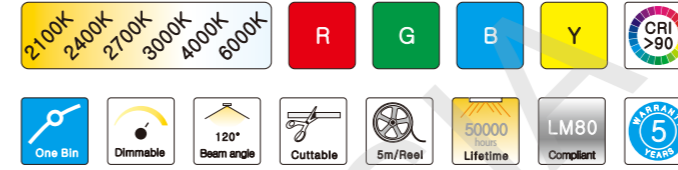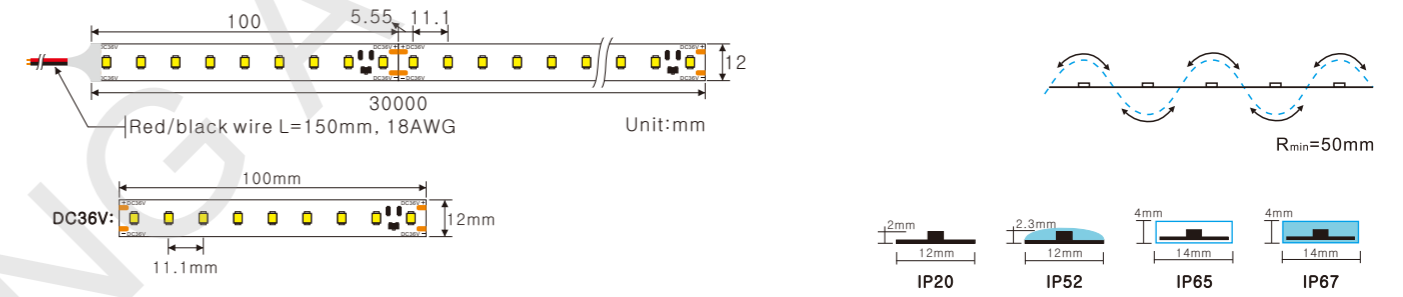
PRODUCT SPECIFICATION

Dimension	30000mmx12mmx2mm
Chip density	90LEDs/m,11.1mm pitch
Step LEDs	9LEDs
Step length	100mm
Power(W)	7.2Watt/meter
Voltage(V)	DC36V
Current(A/m)	0.2A
Copper foil	3oz
Ambient temperature	−20°C~+50°C
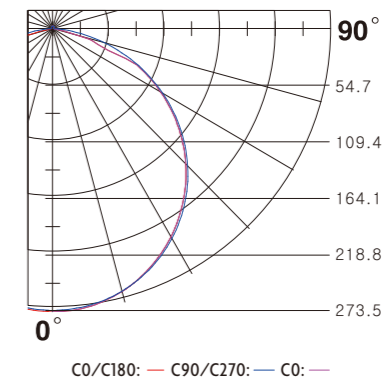
POLAR CURVE (Base on IP20 CRI > 90 6000K)

90°
54.7
109.4
164.1
218.8
273.5
0°
C0/C180: — C90/C270: — C0: —

PRODUCT PHOTOMETRICS (The data base on IP20)

CCT (K)	Lumen(lm/m) CRI>90 | CRI>80	Efficacy(lm/w) CRI>90 | CRI>80	CRI CRI>90 | CRI>80	R9 CRI>90 | CRI>80	Rf(Fidelity) CRI>90 | CRI>80	Rg(Gamut) CRI>90 | CRI>80
2100±100	544.02 | 756.19	75.56 | 105.03	91.64 | 81.62	69.17 | 7.11	86.06 | 81.02	101.19 | 90.06
2400±100	597.15 | 816.17	82.94 | 113.36	90.17 | 81.07	76.07 | 5.20	90.07 | 83.15	101.08 | 92.15
2700±100	614.15 | 853.04	85.30 | 118.48	91.04 | 82.15	78.15 | 8.05	89.05 | 82.19	100.14 | 96.17
3000±100	655.10 | 892.06	90.99 | 123.90	91.10 | 82.31	79.11 | 6.09	90.13 | 81.11	102.01 | 92.17
4000±200	738.03 | 914.16	102.50 | 126.97	94.18 | 82.51	77.03 | 5.17	90.10 | 78.12	99.09 | 95.14
6000±300	777.14 | 920.14	107.94 | 127.80	92.09 | 82.10	82.08 | 6.14	91.06 | 86.11	101.10 | 96.14

Note: Wave length: Red 620~625nm, Green 515~525nm, Blue 465~470nm, Yellow 585~595nm, Customized CCT can be realized according to specific requirements.
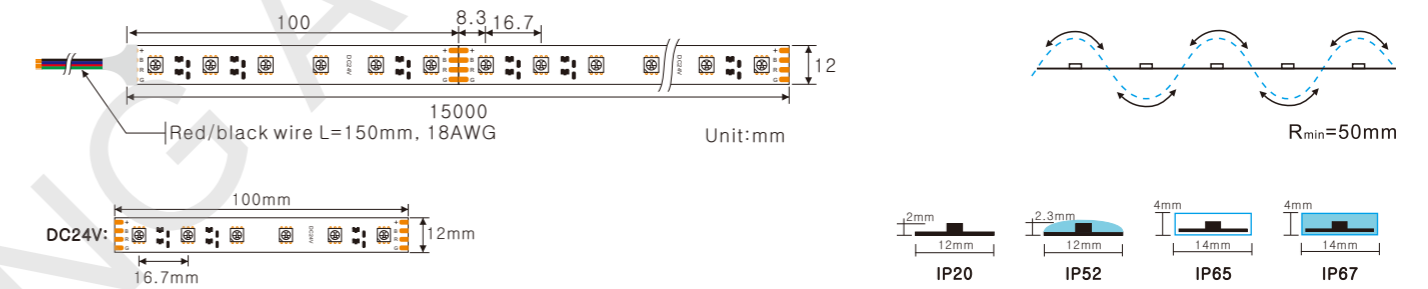
Order code: LY90-CS2835 W30 -W36- IP20 → IP20/IP52/IP65/IP67
CCT:W21/W24/W27/W30/W40/W60

20m SLCC 2835SMD 60LEDs

▸ 2835 LED Super long constant current design strip with one end power
▸ 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

2100K 2400K 2700K 3000K 4000K 6000K | R | G | B | Y | CRI >90

One Bin | Dimmable | 120° Beam angle | Cuttable | 5m/Reel | 50000 hours Lifetime | LM80 Compliant | 5 YEARS WARRANTY

DIMENSIONS & WATERPROOF

100 | 8.3 | 16.7 | 12
DC24V | 20000
Red/black wire L=150mm, 18AWG | Unit:mm | Rmin=50mm

DC24V: 100mm | 12mm
16.7mm

IP20: 2mm | 12mm
IP52: 2.3mm | 12mm
IP65: 4mm | 14mm
IP67: 4mm | 14mm
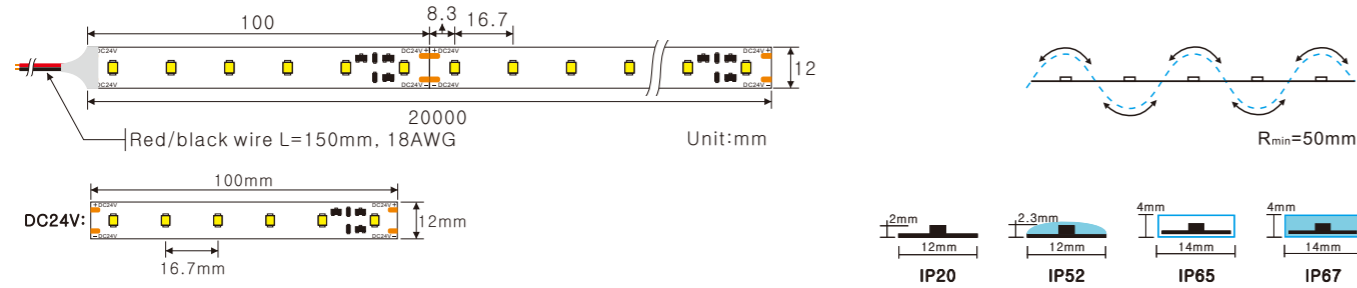
PRODUCT SPECIFICATION

Dimension	20000mmx12mmx2mm
Chip density	60LEDs/m,16.7mm pitch
Step LEDs	6LEDs
Step length	100mm
Power(W)	8.5Watt/meter
Voltage(V)	DC24V
Current(A/m)	0.35A
Copper foil	3oz
Ambient temperature	-20°C~+50°C

POLAR CURVE (Base on IP20 CRI > 90 6000K)

90°
61.6
123.3
184.8
246.5
308.1
0°
C0/C180: — C90/C270: — C0: —
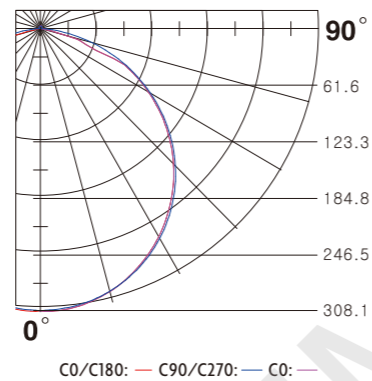
PRODUCT PHOTOMETRICS (The data base on IP20)

CCT (K)	Lumen(lm/m) CRI>90｜CRI>80	Efficacy(lm/w) CRI>90｜CRI>80	CRI CRI>90｜CRI>80	R9 CRI>90｜CRI>80	Rf(Fidelity) CRI>90｜CRI>80	Rg(Gamut) CRI>90｜CRI>80
2100±100	615.80｜859.60	72.45｜101.13	91.70｜82.60	70.40｜10.60	87.10｜83.40	101.40｜91.80
2400±100	670.50｜919.20	78.88｜108.14	94.00｜81.80	77.60｜7.10	94.00｜84.70	101.10｜93.40
2700±100	715.00｜960.70	84.12｜113.02	94.30｜83.30	79.60｜10.80	92.00｜85.30	102.00｜100.00
3000±100	732.50｜1002.40	86.18｜117.93	94.00｜85.00	81.00｜8.80	93.30｜84.10	102.30｜92.10
4000±200	832.70｜1030.70	97.96｜121.26	95.90｜84.70	77.80｜7.90	92.10｜80.00	100.60｜98.80
6000±300	875.60｜1042.30	103.01｜122.62	95.90｜82.30	84.70｜7.30	94.20｜88.70	102.80｜97.90

Note: Wave length: Red 620~625nm, Green 515~525nm, Blue 465~470nm, Yellow 585~595nm, Customized CCT can be realized according to specific requirements.

Order code: LY60-CS2835 W30 -W24- IP20 → IP20/IP52/IP65/IP67
CCT:W21/W24/W27/W30/W40/W60

15m SLCC 2835SMD 120LEDs

▸ 2835 LED Super long constant current design strip with one end power
▸ 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

2700K 3000K 4000K 6000K | R | G | B | Y | CRI >90

One Bin | Dimmable | 120° Beam angle | Cuttable | 5m/Reel | 50000 hours Lifetime | LM80 Compliant | 5 YEARS WARRANTY

DIMENSIONS & WATERPROOF

50 | 4.1 | 8.3 | 10
DC24V | 15000
Red/black wire L=150mm, 18AWG | Unit:mm | Rmin=50mm

DC24V: 50mm | 10mm
8.3mm

IP20: 1.2mm | 10mm
IP52: 1.5mm | 10mm
IP65: 4mm | 12mm
IP67: 4mm | 12mm
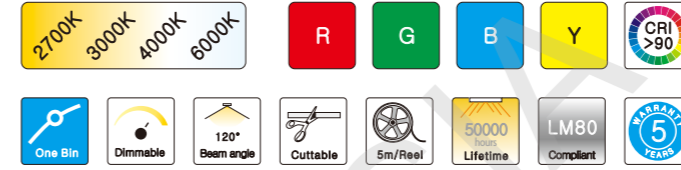
PRODUCT SPECIFICATION

Dimension	15000mmx10mmx1.2mm
Chip density	120LEDs/m,8.3mm pitch
Step LEDs	6LEDs
Step length	50mm
Power(W)	10Watt/meter
Voltage(V)	DC36V
Current(A/m)	0.42A
Copper foil	3oz
Ambient temperature	-20°C~+50°C

POLAR CURVE (Base on IP20 CRI > 90 6000K)

90°
54.7
109.4
164.1
218.8
273.5
0°
C0/C180: — C90/C270: — C0: —
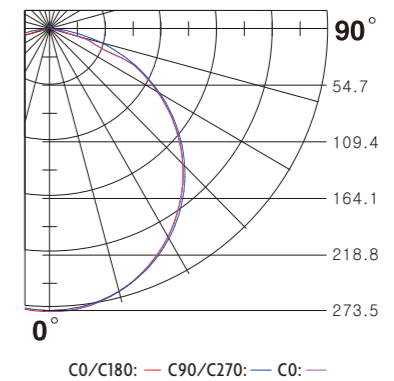
PRODUCT PHOTOMETRICS (The data base on IP20)

CCT (K)	Lumen(lm/m) CRI>90｜CRI>80	Efficacy(lm/w) CRI>90｜CRI>80	CRI CRI>90｜CRI>80	R9 CRI>90｜CRI>80	Rf(Fidelity) CRI>90｜CRI>80	Rg(Gamut) CRI>90｜CRI>80
2100±100	724.50｜1011.30	72.45｜101.13	91.70｜82.60	70.40｜10.60	87.10｜83.40	101.40｜91.80
2400±100	788.80｜1081.40	78.88｜108.14	94.00｜81.80	77.60｜7.10	94.00｜84.70	101.10｜93.40
2700±100	841.20｜1130.20	84.12｜113.02	94.30｜83.30	79.60｜10.80	92.00｜85.30	102.00｜100.00
3000±100	861.80｜1179.30	86.18｜117.93	94.00｜85.00	81.00｜8.80	93.30｜84.10	102.30｜92.10
4000±200	979.60｜1212.60	97.96｜121.26	95.90｜84.70	77.80｜7.90	92.10｜80.00	100.60｜98.80
6000±300	1030.10｜1226.20	103.01｜122.62	95.90｜82.30	84.70｜7.30	94.20｜88.70	102.80｜97.90

Note: Wave length: Red 620~625nm, Green 515~525nm, Blue 465~470nm, Yellow 585~595nm, Customized CCT can be realized according to specific requirements.

Order code: LY120-CS2835 W30 -W24- IP20 → IP20/IP52/IP65/IP67
CCT:W21/W24/W27/W30/W40/W60

TW SLCC 2835SMD 120LEDs

▸ 2835 LED Super long constant current design strip with one end power
▸ 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
▸ Widely adaptable to all types of Tunable White controllers

2100K 2400K 2700K 3000K 4000K 6000K | R | G | B | Y | CRI>90

One Bin | Dimmable | 120° Beam angle | Cuttable | 5m/Reel | 50000 hours Lifetime | LM80 Compliant | 5 YEARS WARRANTY

DIMENSIONS & WATERPROOF

100 | 8.35 | 16.7 | 12
5000
3 pin wire L=150mm, 20AWG
Unit:mm
Rmin=50mm

DC24V: 100mm | 12mm | 16.7mm

IP20 (2mm / 12mm) | IP52 (2.3mm / 12mm) | IP65 (4mm / 14mm) | IP67 (4mm / 14mm)

PRODUCT SPECIFICATION

Dimension	15000mmx12mmx2mm
Chip density	120LEDs/m,16.7mm pitch
Step LEDs	12LEDs
Step length	100mm
Power(W)	12Watt/meter
Voltage(V)	DC24V
Current(A/m)	0.5A
Copper foil	3oz
Ambient temperature	−20°C~+50°C

POLAR CURVE (Base on IP20 CRI>90 2700K+6000K)

90° | 80.3 | 160.5 | 240.7 | 320.9 | 401.2
0°
C0/C180: — C90/C270: — C0: —
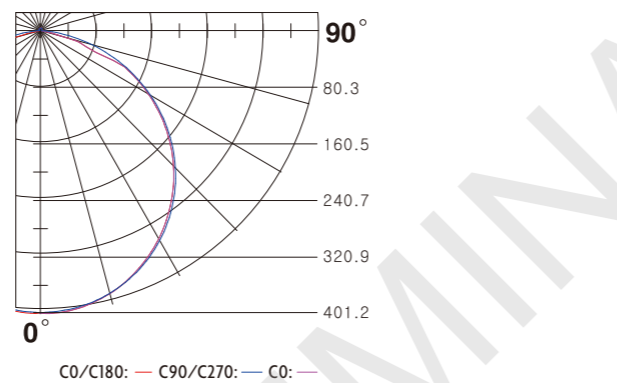
PRODUCT PHOTOMETRICS (The data base on IP20)

CCT (K)	Lumen(lm/m) CRI>90 | CRI>80	Efficacy(lm/w) CRI>90 | CRI>80	CRI CRI>90 | CRI>80	R9 CRI>90 | CRI>80	Rf(Fidelity) CRI>90 | CRI>80	Rg(Gamut) CRI>90 | CRI>80
2700±100	513.13 | 690.40	85.52 | 115.07	91.05 | 82.24	78.18 | 8.28	89.17 | 82.36	100.19 | 96.09
6000±300	630.08 | 750.10	105.01 | 125.02	92.35 | 82.17	82.21 | 6.35	91.39 | 86.25	101.32 | 96.16
2700+6000	1140.09 | 1428.16	95.01 | 119.01	94.22 | 82.61	77.16 | 5.37	90.34 | 78.37	99.35 | 95.31

Note: Wave length: Red 620~625nm, Green 515~525nm, Blue 465~470nm, Yellow 585~595nm, Customized CCT can be realized according to specific requirements.

Order code: LY120-S2835 TW2760 -W24- IP20 → IP20/IP52//IP65/IP67
CCT:TW2160/TW2460/TW2760/TW3060...

RGB SLCC 5050SMD 60LEDs

▸ 5050 LED Super long constant current design strip with one end power
▸ Self-encapsulated design
▸ High quality PCB, high thermal 3M adhesive
▸ widely adaptable to all types of RGB controllers
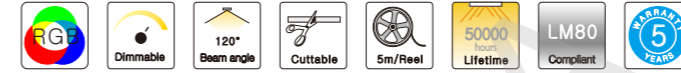
RGB | Dimmable | 120° Beam angle | Cuttable | 5m/Reel | 50000 hours Lifetime | LM80 Compliant | 5 YEARS WARRANTY

DIMENSIONS & WATERPROOF

100 | 8.3 | 16.7 | 12
15000
Red/black wire L=150mm, 18AWG
Unit:mm
Rmin=50mm

DC24V: 100mm | 12mm | 16.7mm

IP20 (2mm / 12mm) | IP52 (2.3mm / 12mm) | IP65 (4mm / 14mm) | IP67 (4mm / 14mm)

PRODUCT SPECIFICATION

Dimension	15000mmx12mmx2mm
Chip density	60LEDs/m,16.7mm pitch
Step LEDs	6LED(24V)
Step length	100mm(24V)
Power(W)	11Watt/meter
Voltage(V)	DC24V
Current(A/m)	0.45A(24V)
Copper foil	3oz
Ambient temperature	−20°C~+50°C

POLAR CURVE (Base on IP20 24V)

90° | 38.7 | 77.5 | 116.2 | 154.9 | 193.6
0°
C0/C180: — C90/C270: — C0: —
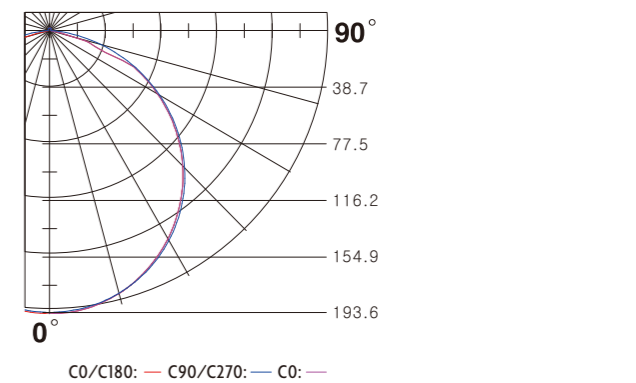
PRODUCT PHOTOMETRICS (The data base on IP20 24V)

Color	Power (w/m)	Lumen (lm/m)	Efficacy (lm/w)	Peak Wavelength (nm)	Dominant Wavelength (nm)	CCT (K)	CRI
Red	3.67	120.12	32.73	630.07	623.17	–	–
Green	3.67	340.21	92.70	520.18	528.16	–	–
Blue	3.67	78.40	21.36	452.20	457.37	–	–
RGB	11	550.25	50.02	–	–	39035.84	57.31

Order code: LY60-S5050RGB-W24- IP20 -15
IP20/IP52/IP65/IP67

RGBW SLCC 5050SMD 60LEDs
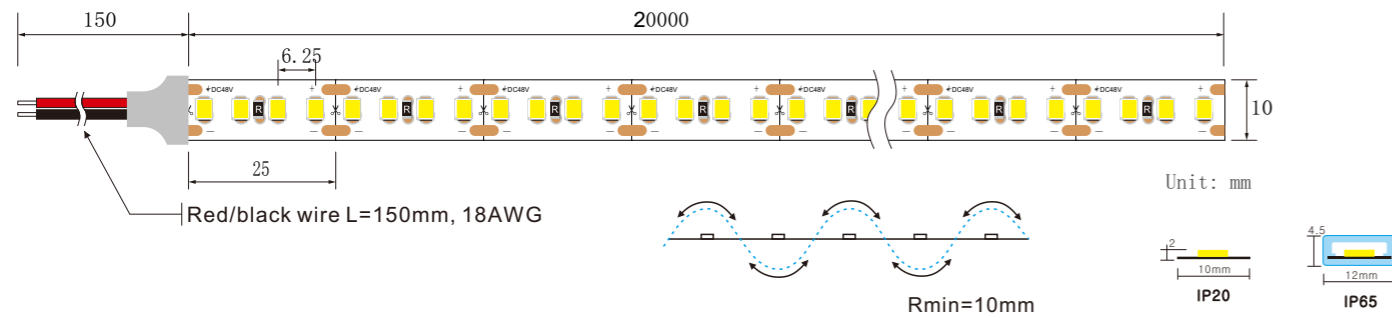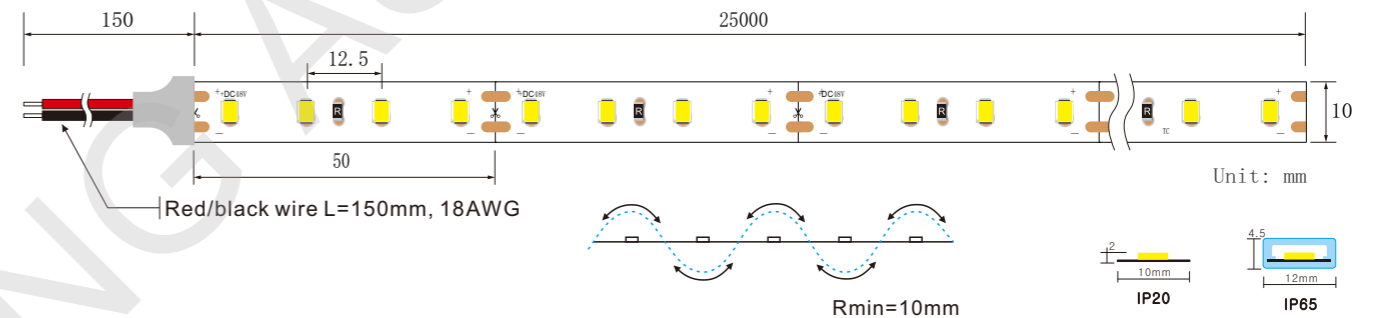
▸ 5050 LED Super long constant current design strip with one end power
▸ RGB+white 4 chips in 1LED colorful strip
▸ High quality PCB,high thermal 3M adhesive
▸ Widely adaptable to all types of RGBW controllers

2700K 3000K 4000K 6000K | CRI >80 | RGB

Dimmable | 120° Beam angle | Cuttable | 5m/Reel | 50000 hours Lifetime | WARRANTY 5 YEARS

DIMENSIONS & WATERPROOF

100 | 8.3 | 16.7 | 12
15000
5 pin wire L=150mm, 20AWG
Unit:mm
Rmin=50mm

DC24V: 100mm | 12mm
16.7mm

2mm 12mm IP20 | 2.3mm 12mm IP52 | 4mm 14mm IP65 | 4mm 14mm IP67
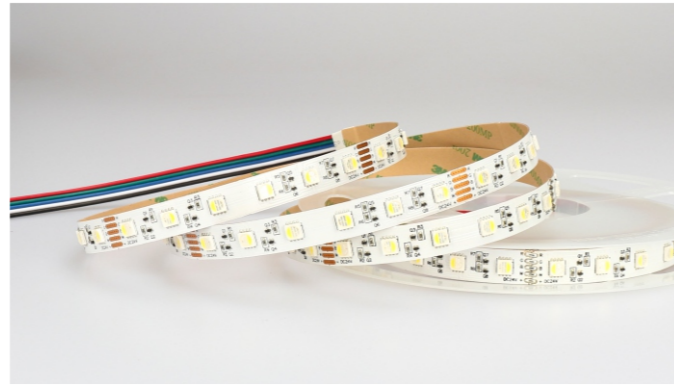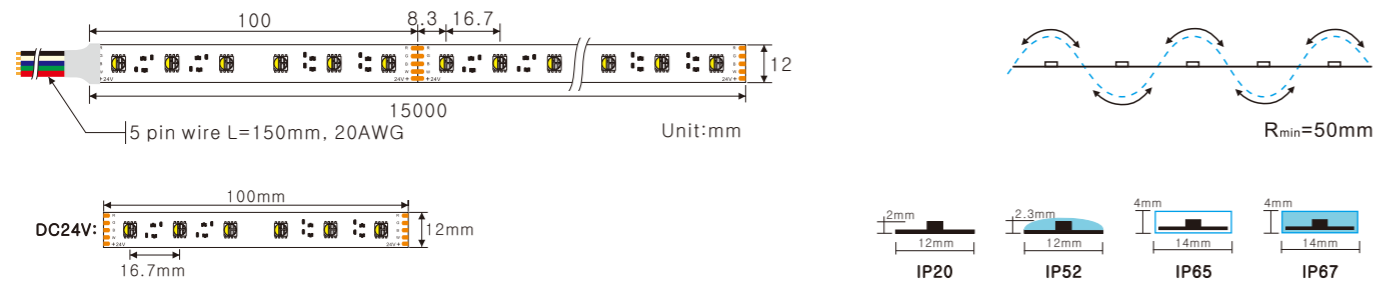
PRODUCT SPECIFICATION

Dimension	15000mmx12mmx2mm
Chip density	60LED,16.7mm LED pitch
Step LEDs	6LEDs
Step length	100mm
Power(W)	11Watt/meter
Voltage(V)	DC24V
Current(A/m)	0.45A
Copper foil	3oz
Ambient temperature	−20°C~+50°C

POLAR CURVE (Base on IP20 RGB+6000K)

90°
55.3
110.5
165.7
221.0
276.2
0°
C0/C180: — C90/C270: — C0: —
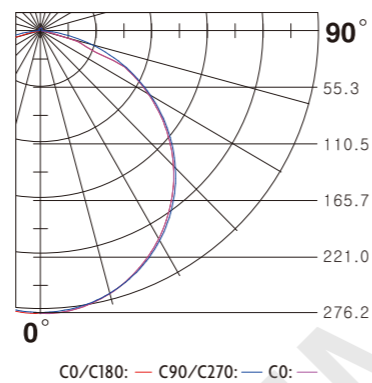
PRODUCT PHOTOMETRICS (The data base on IP20)

CCT (K)	Power (w/m)	Lumen (lm/m)	Efficacy (lm/w)	CRI
▸ RGB+2700	11	720.23	65.48	58.06
▸ RGB+3000	11	760.31	69.12	56.38
▸ RGB+4000	11	780.03	70.91	62.21
▸ RGB+6000	11	785.04	71.37	69.24

Order code: LY60-LS5050RGBW27-W24-IP20-15
→ IP20/IP52/IP65/IP67
→ RGBW27/RGBW30/RGBW40/RGBW60

RGBTW SLCC 5050SMD 60LEDs

▸ 5050 LED Super long constant current design strip with one end power
▸ RGB+tunable white 5 chips in 1LED colorful strip
▸ High quality PCB,high thermal 3M adhesive
▸ Widely adaptable to all types of RGBTW controllers

2400K 6000K | CRI >80 | RGB

Dimmable | 120° Beam angle | Cuttable | 5m/Reel | 50000 hours Lifetime | WARRANTY 5 YEARS

DIMENSIONS & WATERPROOF

100 | 8.3 | 16.7 | 15
15000
6 pin wire L=150mm, 20AWG
Unit:mm
Rmin=50mm

DC24V: 100mm | 15mm
16.7mm

2mm 15mm IP20 | 2.3mm 15mm IP52 | 4mm 17mm IP65 | 4mm 17mm IP67
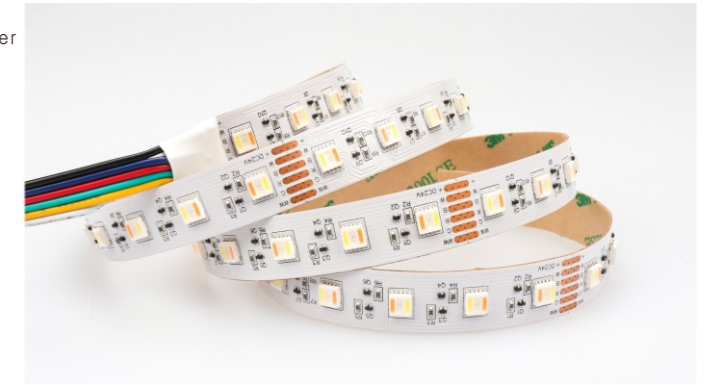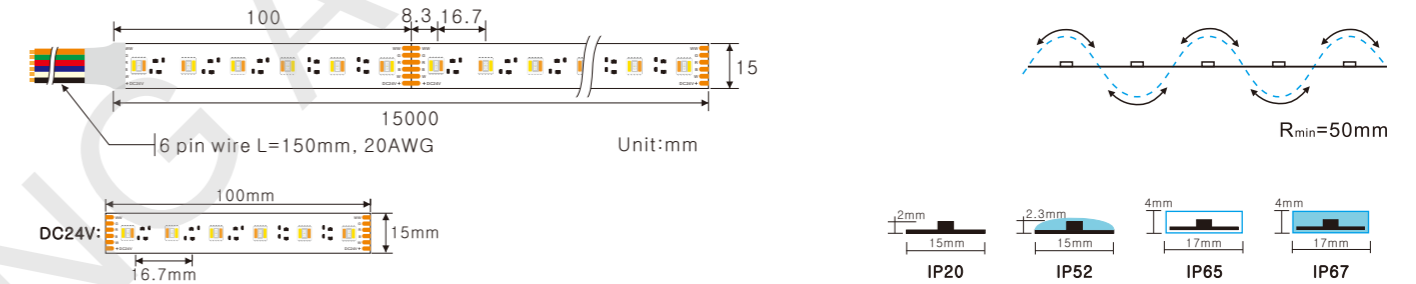
PRODUCT SPECIFICATION

Dimension	15000mmx15mmx2mm
Chip density	60LEDs/m,16.7mm pitch
Step LEDs	6LEDs
Step length	100mm
Power(W)	12Watt/meter
Voltage(V)	DC24V
Current(A/m)	0.5A
Copper foil	3oz
Ambient temperature	−20°C~+50°C

POLAR CURVE (Base on IP20 RGB+2400K+6000K)

90°
54.9
109.8
164.7
219.6
274.5
0°
C0/C180: — C90/C270: — C0: —
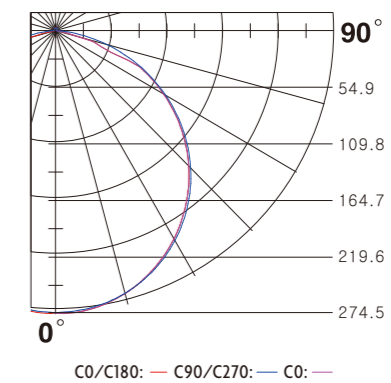
PRODUCT PHOTOMETRICS (The data base on IP20)

CCT (K)	Power (w/m)	Lumen (lm/m)	Efficacy (lm/w)	CRI
2400	2.4	240.38	100.16	83.10
6000	2.4	295.03	122.93	82.98
2400+6000	4.8	540.19	112.54	88.40
RGB	7.2	300.31	41.71	79.23
RGB+2400+6000	12.0	780.24	65.02	77.25

Order code: LY60-LS5050RGBTW-W24-IP20-15
→ IP20/IP52/IP65/IP67

15m CV COB 480PCS

▸ 2835 LED Super long constant voltage design strip with one end power
▸ 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

2100K 2400K 2700K 3000K 4000K 6000K | R | G | B | Y | CRI >90

One Bin | Dimmable | 120° Beam angle | Cuttable | 5m/Reel | 50000 hours Lifetime | LM80 Compliant | 5 WARRANTY YEARS

DIMENSIONS & WATERPROOF

DC48V+   DC48V+   DC48V+   10
15000
Red/black wire L=150mm, 18AWG   Unit:mm   Rmin=10mm

33.3mm
48V: DC48V+   10mm

IP20   IP65
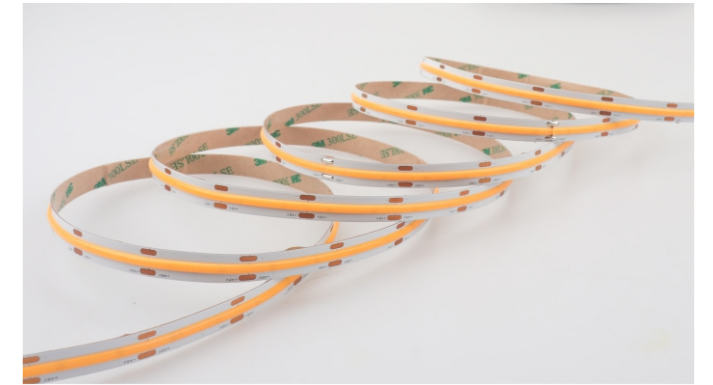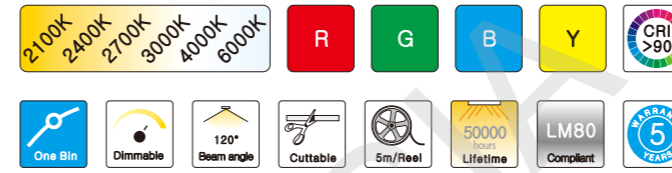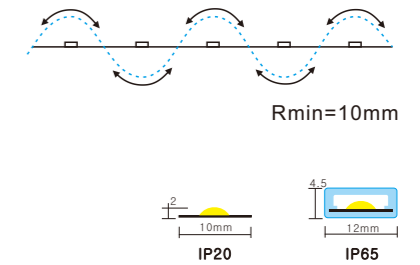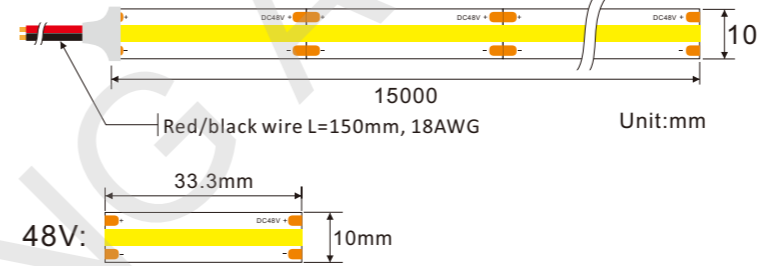
PRODUCT SPECIFICATION

Dimension	15000mmx10mmx2mm
Chip density	480pcs
Step LEDs	16pcs
Step length	33.3mm
Power(W)	10W(1m)/122W(15m)
Voltage(V)	DC48V
Current(A/m)	0.35A
Copper foil	3oz
Ambient temperature	−20°C~+50°C

POLAR CURVE (Base on IP20 CRI > 90 6000K)

90°
61.6
123.3
184.8
246.5
308.1
0°

C0/C180: — C90/C270: — C0: —
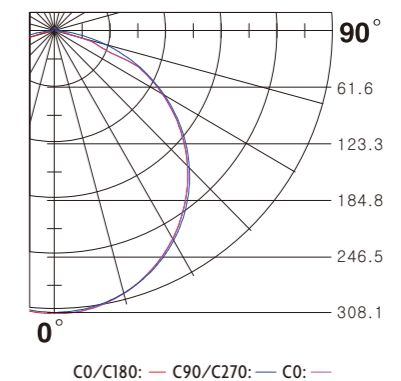
PRODUCT PHOTOMETRICS (The data base on IP20)

CCT (K)	Lumen(lm/m)	Efficacy(lm/w)	CRI	R9	Rf(Fidelity)	Rg(Gamut)
2700±100	830.60	83.06	91	47	91	98
3000±100	928.90	92.89	91	49	91	99
4000±200	1049.00	104.90	93	62	90	97
6500±300	953.70	95.37	92	63	91	98

Note: Wave length: Red 620~625nm, Green 515~525nm, Blue 465~470nm, Yellow 585~595nm, Customized CCT can be realized according to specific requirements.
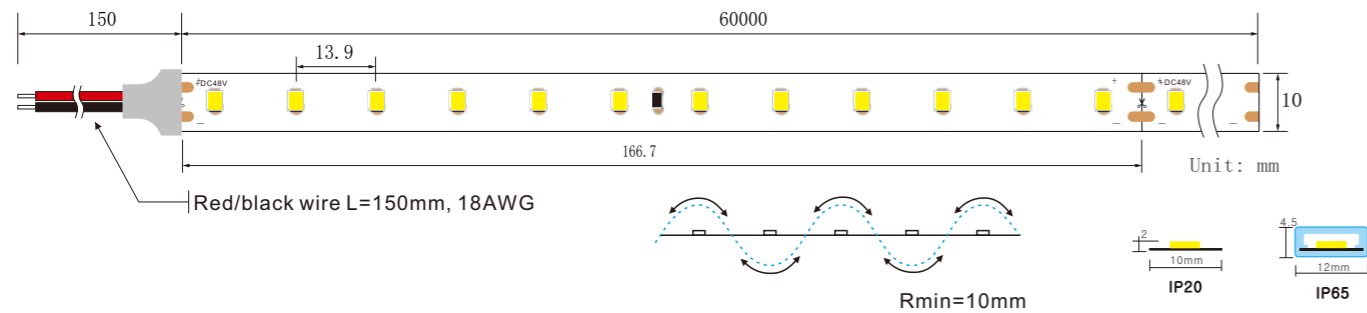
Order code: LY480-COBW27-W48-CV-IP20 → IP20/IP65
↓
CCT:W27/W30/W40/W65

48V LONG RUN SERIES

48V, same brightness up to 60 meters.
COB / Single color / Tunable white / RGB / RGBW are available.

20m CV 2835SMD 160LEDs

▸ 2835 LED Super long constant voltage design strip with one end power
▸ 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

2700K 3000K 4000K 6000K | R | G | B | Y | CRI >90

One Bin | Dimmable | 120° Beam angle | Cuttable | 5m/Reel | 50000 hours Lifetime | LM80 Compliant | 5 YEARS WARRANTY

DIMENSIONS & WATERPROOF

150 | 20000
6.25
25
10
+DC48V
Red/black wire L=150mm, 18AWG
Unit: mm
Rmin=10mm
IP20 | IP65
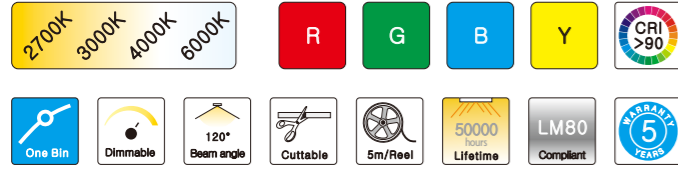
PRODUCT SPECIFICATION

Dimension	20000mmx10mmx2mm
Chip density	160LEDs/m,6.25mm pitch
Step LEDs	4LEDs
Step length	25mm
Power(W)	8.8Watt/meter
Voltage(V)	DC48V
Current(A/m)	0.42A
Copper foil	3oz
Ambient temperature	−20°C~+50°C

POLAR CURVE (Base on IP20 CRI > 90 6000K)

90°
68.1
136.3
204.3
272.5
340.6
0°
C0/C180: — C90/C270: — C0: —
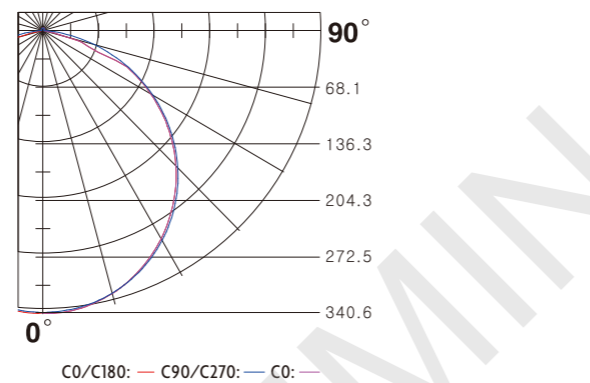
PRODUCT PHOTOMETRICS (The data base on IP20)

CCT (K)	Lumen(lm/m)	Efficacy(lm/w)	CRI	R9	Rf(Fidelity)	Rg(Gamut)
2700±100	871	99	91	47	91	98
3000±100	792	90	91	59	92	99
4000±200	977	111	93	62	93	97
6500±300	968	110	92	63	91	98

Note: Wave length: Red 620~625nm, Green 515~525nm, Blue 465~470nm, Yellow 585~595nm, Customized CCT can be realized according to specific requirements.
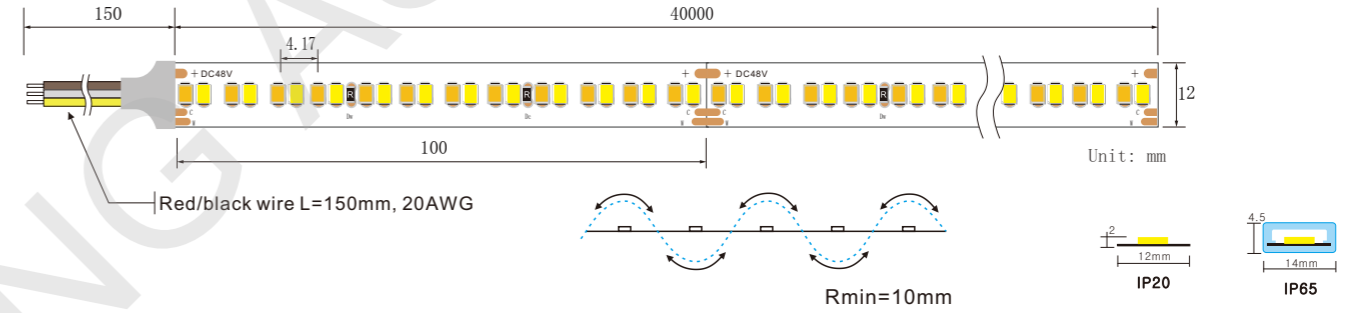
Order code: LY160-S2835 W27 -W48-CV- IP20 → IP20/IP65
CCT:W27/W30/W40/W50

25m CV 2835SMD 80LEDs

▸ 2835 LED Super long constant voltage design strip with one end power
▸ 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

2700K 3000K 4000K 6000K | R | G | B | Y | CRI >90

One Bin | Dimmable | 120° Beam angle | Cuttable | 5m/Reel | 50000 hours Lifetime | LM80 Compliant | 5 YEARS WARRANTY

DIMENSIONS & WATERPROOF

150 | 25000
12.5
50
10
+DC48V
Red/black wire L=150mm, 18AWG
Unit: mm
Rmin=10mm
IP20 | IP65
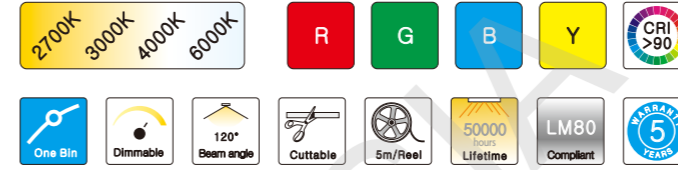
PRODUCT SPECIFICATION

Dimension	25000mmx10mmx2mm
Chip density	80LEDs/m,12.5mm pitch
Step LEDs	4LEDs
Step length	50mm
Power(W)	5.8Watt/meter
Voltage(V)	DC48V
Current(A/m)	0.42A
Copper foil	3oz
Ambient temperature	−20°C~+50°C

POLAR CURVE (Base on IP20 CRI > 90 6000K)

90°
44.6
89.3
133.8
178.5
223.1
0°
C0/C180: — C90/C270: — C0: —
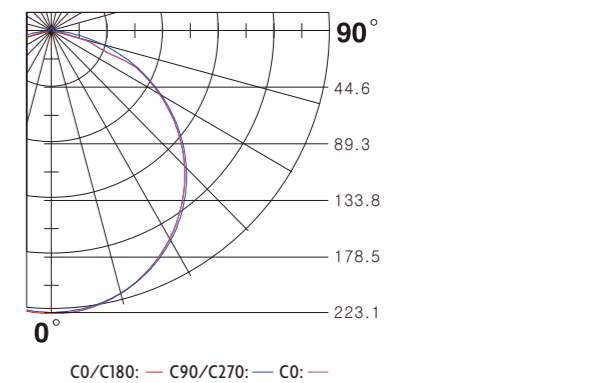
PRODUCT PHOTOMETRICS (The data base on IP20)

CCT (K)	Lumen(lm/m)	Efficacy(lm/w)	CRI	R9	Rf(Fidelity)	Rg(Gamut)
2700±100	577.73	99.61	91.8	71	93	99
3000±100	532.38	91.79	90.1	77	92	99
4000±200	646.81	111.52	91.7	78	93	97
6500±300	633.94	109.30	92.8	88	94	98

Note: Wave length: Red 620~625nm, Green 515~525nm, Blue 465~470nm, Yellow 585~595nm, Customized CCT can be realized according to specific requirements.
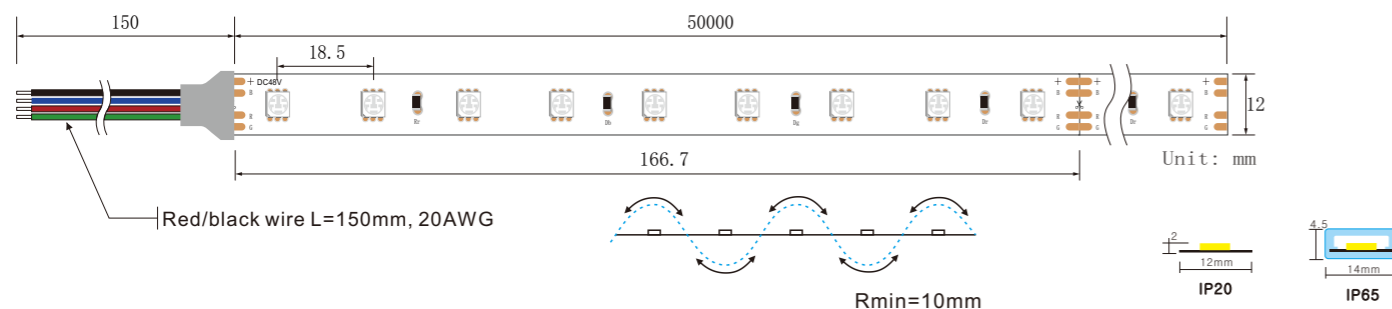
Order code: LY80-S2835 W27 -W48-CV- IP20 → IP20/IP65
CCT:W27/W30/W40/W50

10m CC 2835SMD 150LEDs

▸ 2835 LED Super long constant current design strip with one end power
▸ 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

2700K 3000K 4000K 6000K | R G B Y | CRI >90

One Bin | Dimmable | 120° Beam angle | Cuttable | 5m/Reel | 50000 hours Lifetime | LM80 Compliant | 5 YEARS WARRANTY

DIMENSIONS & WATERPROOF

150 | 10000 | 10
6 | 100
Red/black wire L=150mm, 18AWG
Rmin=10mm
Unit: mm
2 / 10mm / IP20
4.5 / 12mm / IP65
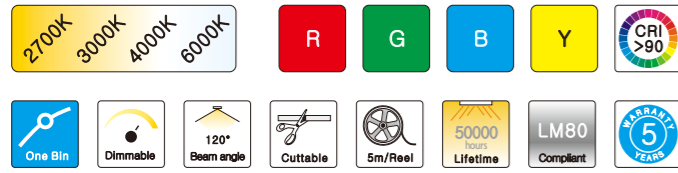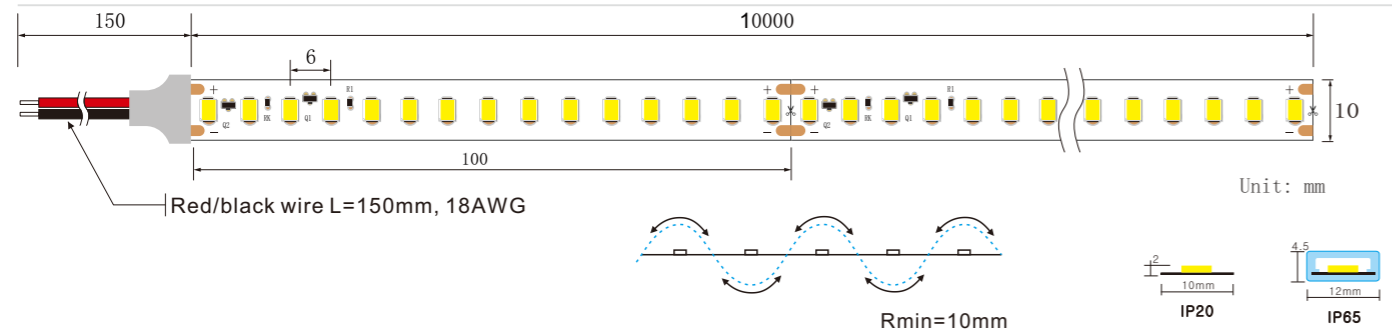
PRODUCT SPECIFICATION

Dimension	10000mmx10mmx2mm
Chip density	150LEDs/m,6mm pitch
Step LEDs	15LEDs
Step length	100mm
Power(W)	20Watt/meter
Voltage(V)	DC48V
Current(A/m)	0.42A
Copper foil	3oz
Ambient temperature	−20°C~+50°C

POLAR CURVE (Base on IP20 CRI > 90 6000K)

90°
157.2
314.4
471.4
628.6
785.8
0°
C0/C180: — C90/C270: — C0: —
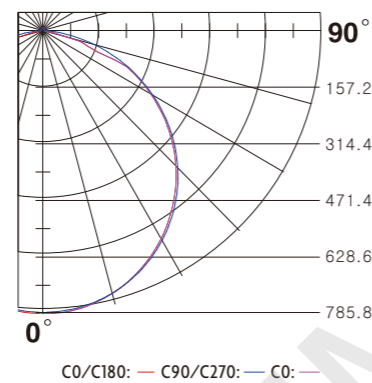
PRODUCT PHOTOMETRICS (The data base on IP20)

CCT (K)	Lumen(lm/m)	Efficacy(lm/w)	CRI	R9	Rf(Fidelity)	Rg(Gamut)
2700±100	2198.2	109.91	90.2	64	93	99
3000±100	2114.2	105.71	92.2	72	91	98
4000±200	2301.2	115.06	91.7	77	92	97
6500±300	2233.0	111.65	90.2	79	92	97

Note: Wave length: Red 620~625nm, Green 515~525nm, Blue 465~470nm, Yellow 585~595nm, Customized CCT can be realized according to specific requirements.
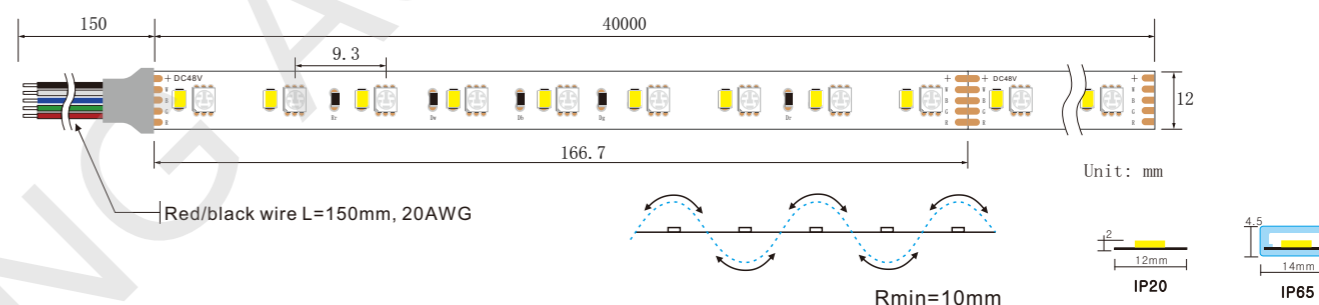
Order code: LY150-S2835 W27 -W48-CC- IP20 → IP20/IP65
→ CCT:W27/W30/W40/W50

50m CC 2835SMD 120LEDs

▸ 2835 LED Super long constant current design strip with one end power
▸ 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

2700K 3000K 4000K 6000K | R G B Y | CRI >90

One Bin | Dimmable | 120° Beam angle | Cuttable | 5m/Reel | 50000 hours Lifetime | LM80 Compliant | 5 YEARS WARRANTY

DIMENSIONS & WATERPROOF

150 | 50000 | 12
8.3 | 100
Red/black wire L=150mm, 18AWG
Rmin=10mm
Unit: mm
2 / 12mm / IP20
4.5 / 14mm / IP65
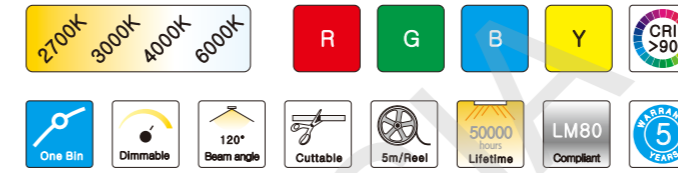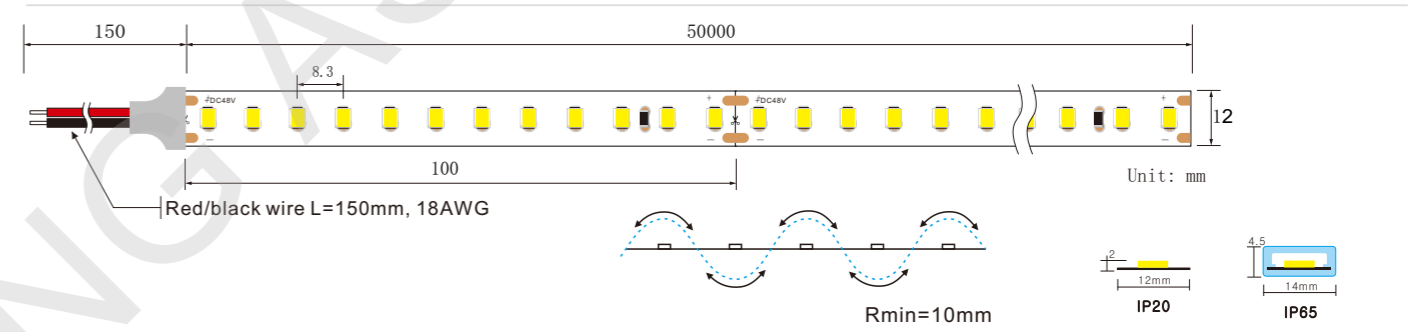
PRODUCT SPECIFICATION

Dimension	50000mmx12mmx2mm
Chip density	120LEDs/m,8.3mm pitch
Step LEDs	12LEDs
Step length	100mm
Power(W)	5.2Watt/meter
Voltage(V)	DC48V
Current(A/m)	0.42A
Copper foil	3oz
Ambient temperature	−20°C~+50°C

POLAR CURVE (Base on IP20 CRI > 90 6000K)

90°
38.9
77.8
116.6
155.5
194.3
0°
C0/C180: — C90/C270: — C0: —
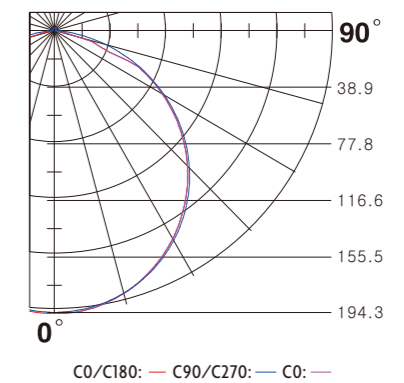
PRODUCT PHOTOMETRICS (The data base on IP20)

CCT (K)	Lumen(lm/m)	Efficacy(lm/w)	CRI	R9	Rf(Fidelity)	Rg(Gamut)
2700±100	537.4	103.34	91.7	69	91	97
3000±100	540.8	104.00	93.1	75	92	98
4000±200	580.3	111.60	93.3	85	92	99
6500±300	552.3	106.21	91.4	87	93	98

Note: Wave length: Red 620~625nm, Green 515~525nm, Blue 465~470nm, Yellow 585~595nm, Customized CCT can be realized according to specific requirements.
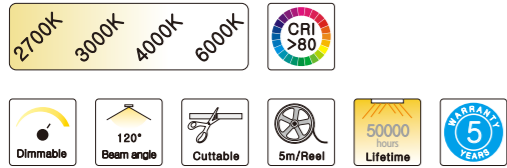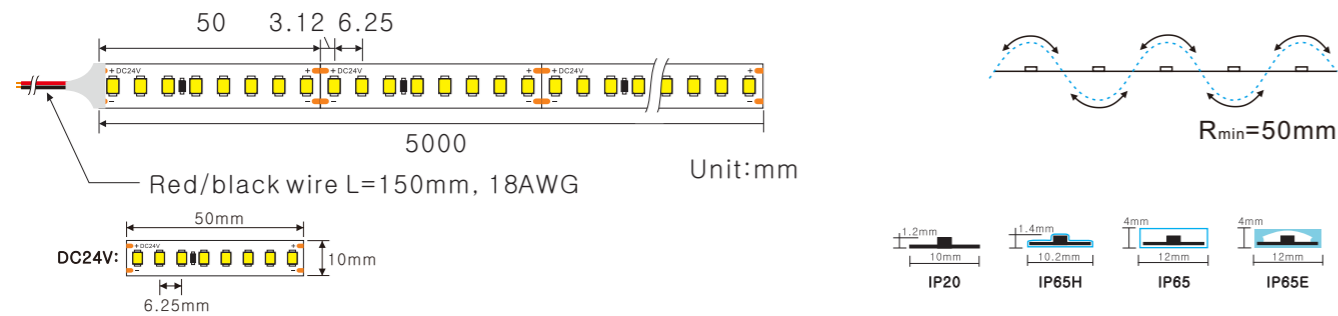
Order code: LY120-S2835 W27 -W48-CC- IP20 → IP20/IP65
→ CCT:W27/W30/W40/W50

60m CC 2835SMD 72LEDs

▸ 2835 LED Super long constant current design strip with one end power
▸ 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

2700K 3000K 4000K 6000K | R G B Y | CRI >90

One Bin | Dimmable | 120° Beam angle | Cuttable | 5m/Reel | 50000 hours Lifetime | LM80 Compliant | 5 YEARS WARRANTY

DIMENSIONS & WATERPROOF

150 | 60000 | 13.9 | +DC48V | +DC48V | 10 | 166.7 | Unit: mm

Red/black wire L=150mm, 18AWG

Rmin=10mm

IP20 | 10mm | 2

IP65 | 12mm | 4.5
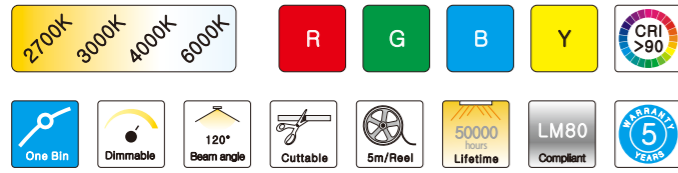
PRODUCT SPECIFICATION

Dimension	60000mmx10mmx2mm
Chip density	72LEDs/m,13.9mm pitch
Step LEDs	12LEDs
Step length	166.7mm
Power(W)	3.2Watt/meter
Voltage(V)	DC48V
Current(A/m)	0.42A
Copper foil	3oz
Ambient temperature	−20°C~+50°C

POLAR CURVE (Base on IP20 CRI > 90 6000K)

90°
23.9
47.9
71.8
95.7
119.7
0°

C0/C180: — C90/C270: — C0: —
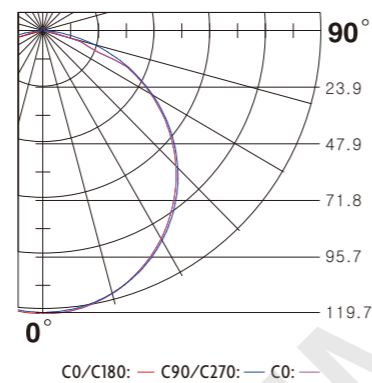
PRODUCT PHOTOMETRICS (The data base on IP20)

CCT (K)	Lumen(lm/m)	Efficacy(lm/w)	CRI	R9	Rf(Fidelity)	Rg(Gamut)
2700±100	326.7	102.10	91.6	69	92	97
3000±100	338.2	105.68	93.3	76	93	99
4000±200	353.3	110.42	92.8	82	92	99
6500±300	340.1	106.27	91.3	87	91	97

Note: Wave length: Red 620~625nm, Green 515~525nm, Blue 465~470nm, Yellow 585~595nm, Customized CCT can be realized according to specific requirements.
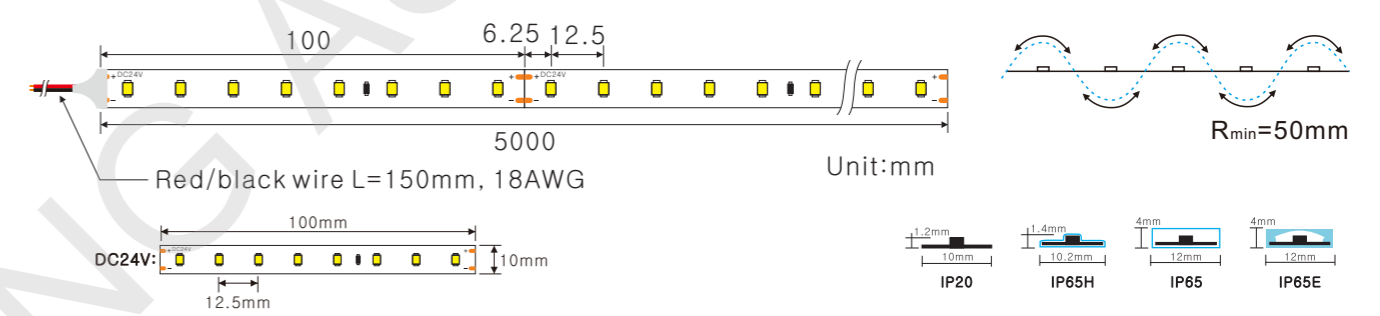
Order code: LY72-S2835W27-W48-CC-IP20 → IP20/IP65
→ CCT:W27/W30/W40/W50

TW CC 2835SMD 240LEDs

▸ 2835 LED Super long constant current design strip with one end power
▸ 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

2700K 3000K 4000K 6000K | R G B Y | CRI >90

One Bin | Dimmable | 120° Beam angle | Cuttable | 5m/Reel | 50000 hours Lifetime | LM80 Compliant | 5 YEARS WARRANTY

DIMENSIONS & WATERPROOF

150 | 40000 | 4.17 | +DC48V | +DC48V | +DC48V | 12 | 100 | Unit: mm

Red/black wire L=150mm, 20AWG

Rmin=10mm

IP20 | 12mm | 2

IP65 | 14mm | 4.5
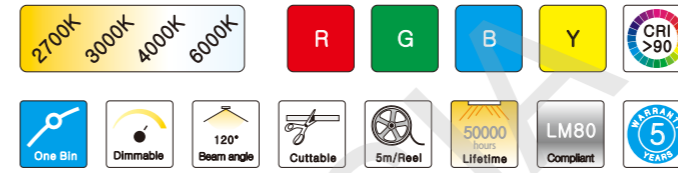
PRODUCT SPECIFICATION

Dimension	40000mmx12mmx2mm
Chip density	240LEDs/m,4.17mm pitch
Step LEDs	24LEDs
Step length	100mm
Power(W)	10.5Watt/meter
Voltage(V)	DC48V
Current(A/m)	0.42A
Copper foil	3oz
Ambient temperature	−20°C~+50°C

POLAR CURVE (Base on IP20 CRI > 90 6000K)

90°
75.9
151.7
227.5
303.4
379.2
0°

C0/C180: — C90/C270: — C0: —
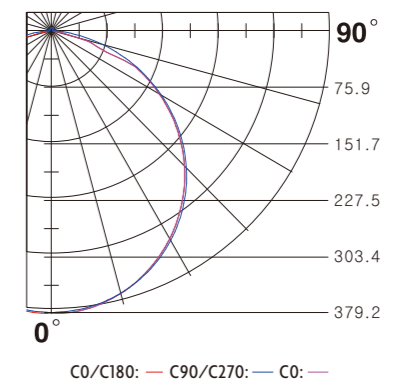
PRODUCT PHOTOMETRICS (The data base on IP20)

CCT (K)	Lumen(lm/m)	Efficacy(lm/w)	Power(w/m)	CRI	R9	Rf(Fidelity)	Rg(Gamut)
3000±100	525.33	99.12	5.23	90.6	79	92	97
6500±100	558.66	106.82	5.23	91.1	86	93	99
3000K+6500K	1077.72	102.64	10.5	9.32	93	94	98

Note: Wave length: Red 620~625nm, Green 515~525nm, Blue 465~470nm, Yellow 585~595nm, Customized CCT can be realized according to specific requirements.
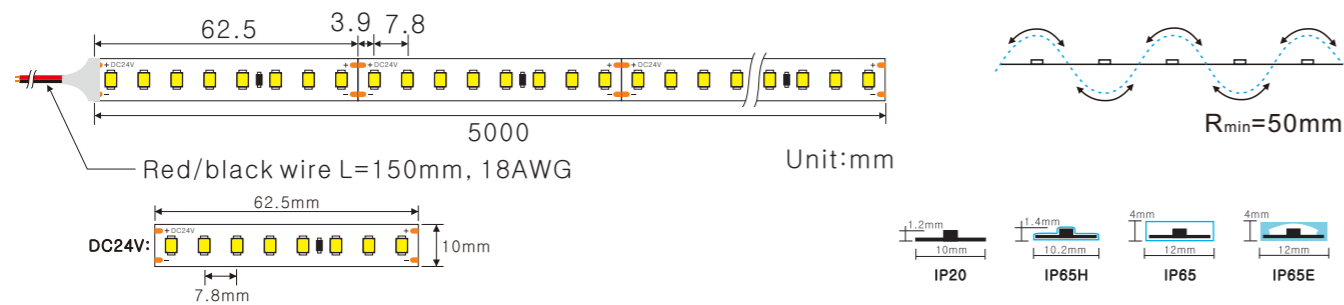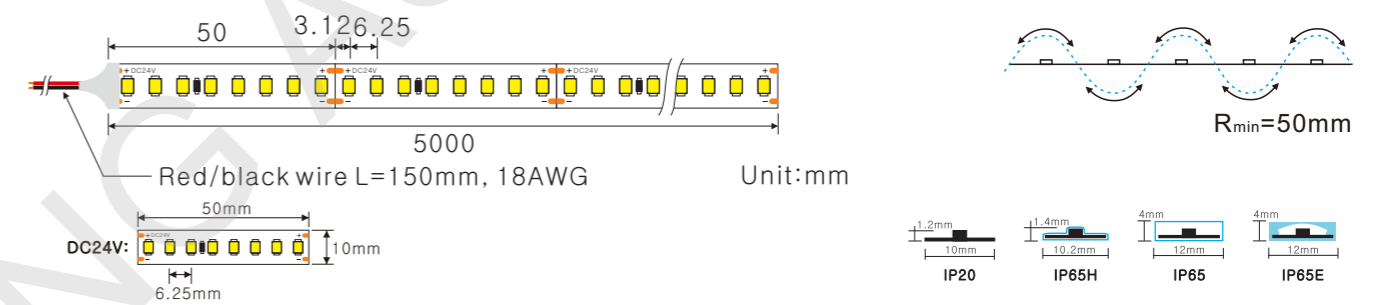
Order code: LY240-S2835TW3065-W48-CC-IP20 → IP20/IP65
→ CCT:W2765/W3065/W4065

RGB CC 5050SMD 54LEDs

▸ 5050 LED Super long constant current design strip with one end power
▸ 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

RGB | Dimmable | 120° Beam angle | Cuttable | 5m/Reel | 50000 hours Lifetime | LM80 Compliant | 5 YEARS WARRANTY

DIMENSIONS & WATERPROOF

150 | 18.5 | 50000
+ DC48V
166.7
12
Unit: mm

Red/black wire L=150mm, 20AWG

Rmin=10mm

IP20 | 2 | 12mm
IP65 | 4.5 | 14mm
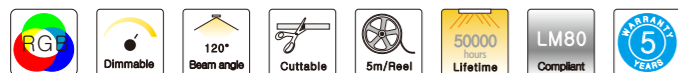
PRODUCT SPECIFICATION

Dimension	50000mmx12mmx2mm
Chip density	54LEDs/m,18.5mm pitch
Step LEDs	9LEDs
Step length	166.7mm
Power(W)	9.4Watt/meter
Voltage(V)	DC48V
Current(A/m)	0.42A
Copper foil	3oz
Ambient temperature	−20°C~+50°C

POLAR CURVE (Base on IP20 CRI > 90 6000K)

90°
30.1
60.1
90.2
120.3
150.3
0°

C0/C180: — C90/C270: — C0: —
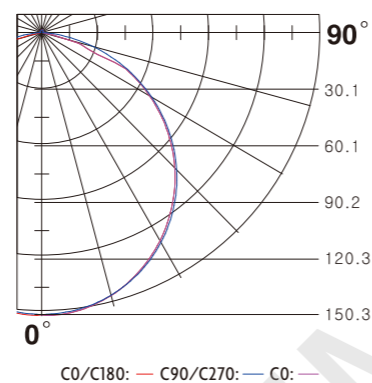
PRODUCT PHOTOMETRICS (The data base on IP20)

Color	Power (w/m)	Lumen (lm/m)	Efficacy (lm/w)	Peak Wavelength (nm)	Dominant Wavelength (nm)	CCT (K)	CRI
Red	3.14	70.46	22.44	630.1	622.8	–	–
Green	3.12	294.84	94.50	520.3	528.1	–	–
Blue	3.15	61.43	19.50	464.6	469.0	–	–
RGB	9.4	427.23	45.45	465.6	483.3	39035.84	57.31

Note: Wave length: Red 620~625nm, Green 515~525nm, Blue 465~470nm, Yellow 585~595nm, Customized CCT can be realized according to specific requirements.

Order code: LY54-S5050RGB-W48-CC-IP20 → IP20/IP65

RGBW CC 5050SMD 108LEDs

▸ 2835 LED Super long constant current design strip with one end power
▸ 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

2700K 3000K 4000K 6000K | CRI >80 | RGB | Dimmable | 120° Beam angle | Cuttable | 5m/Reel | 50000 hours Lifetime | 5 YEARS WARRANTY

DIMENSIONS & WATERPROOF

150 | 9.3 | 40000
+ DC48V
166.7
12
Unit: mm

Red/black wire L=150mm, 20AWG

Rmin=10mm

IP20 | 2 | 12mm
IP65 | 4.5 | 14mm

PRODUCT SPECIFICATION

Dimension	40000mmx12mmx2mm
Chip density	108LEDs/m,9.3mm pitch
Step LEDs	18LEDs
Step length	166.7mm
Power(W)	12.5Watt/meter
Voltage(V)	DC48V
Current(A/m)	0.42A
Copper foil	3oz
Ambient temperature	−20°C~+50°C

POLAR CURVE (Base on IP20 CRI > 90 6000K)

90°
75.9
151.7
227.5
303.4
379.2
0°

C0/C180: — C90/C270: — C0: —
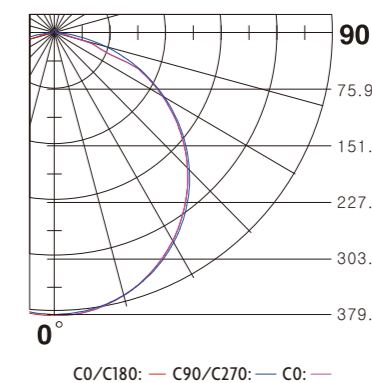
PRODUCT PHOTOMETRICS (The data base on IP20)

CCT (K)	Power (w/m)	Dominant Wavelength (nm)	Lumen (lm/m)	Efficacy (lm/w)	CRI
Red	3.17	622.6	74.74	23.52	N/A
Green	3.09	528.0	293.7	94.86	N/A
Blue	3.09	468.9	58.83	47.99	N/A
2700K±100	3.14	583.5	235.9	75.14	90.7
RGB	9.36	483.3	421.5	45.04	61.9
RGB+2700K	12.5	483.9	655.5	52.44	60.9

Note: Wave length: Red 620~625nm, Green 515~525nm, Blue 465~470nm, Yellow 585~595nm, Customized CCT can be realized according to specific requirements.

Order code: LY108-S5050RGBW-W48-CC-IP20 → IP20/IP65

HI-EFFICIENCY
SERIES

High Efficiency LED Strip is more than 180LM/W, which uses large-size chips and high brightness SMD2835 LEDs, high-quality resistors, and thicker PCB.

Hi-Efficiency 2835SMD 64LEDs

▸ High brightness SMD2835, up to 180LM/W
▸ Self-encapsulated design
▸ High quality PCB, high thermal 3M adhesive
▸ Appropriate for projects with high energy efficiency requirements.

2700K 3000K 4000K 6000K | CRI >80

Dimmable | 120° Beam angle | Cuttable | 5m/Reel | 50000 hour Lifetime | WARRANTY 5 YEARS

DIMENSIONS & WATERPROOF

50　3.12　6.25

5000

Unit:mm

Red/black wire L=150mm, 18AWG

Rmin=50mm

DC24V: 50mm / 10mm / 6.25mm

IP20 | IP65H | IP65 | IP65E
1.2mm 10mm | 1.4mm 10.2mm | 4mm 12mm | 4mm 12mm

PRODUCT SPECIFICATION

Dimension	5000mmx10mmx1.2mm
Chip density	64LEDs/m,20.8mm pitch
Step LEDs	8LED
Step length	125mm
Power(W)	9.6Watt/meter
Voltage(V)	DC24V
Current(A/m)	0.4A
Copper foil	2oz
Ambient temperature	−20°C~+50°C

POLAR CURVE (Base on IP20 RGB+6000K)

90°
125.0
250.0
374.9
499.9
625.0
0°

C0/C180: — C90/C270: — C0: —
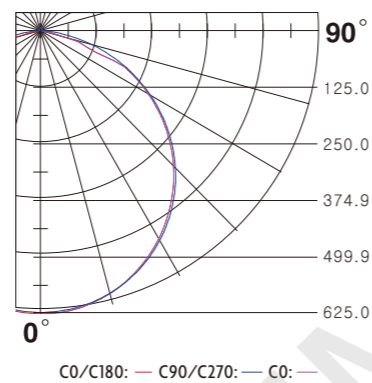
PRODUCT PHOTOMETRICS (The data base on IP20)

CCT (K)	CRI	Lumen(lm/m)	Efficacy(lm/w)
2700±100	80	1728.00	180
3000±100	80	1728.00	180
4000±200	80	1776.00	185
6500±300	80	1776.00	185

Note: Wave length: Red 620~625nm, Green 515~525nm, Blue 465~470nm, Yellow 585~595nm, Customized CCT can be realized according to specific requirements.

Order code: LY64-XH2835 W30 −W24−CV− IP20 → IP20/IP65H/IP65/IP65E
↳ CCT:W27/W30/W40/W66

Hi-Efficiency 2835SMD 80LEDs

▸ High brightness SMD2835, up to 180LM/W
▸ Self-encapsulated design
▸ High quality PCB, high thermal 3M adhesive
▸ Appropriate for projects with high energy efficiency requirements.

2700K 3000K 4000K 6000K | CRI >80

Dimmable | 120° Beam angle | Cuttable | 5m/Reel | 50000 hour Lifetime | WARRANTY 5 YEARS

DIMENSIONS & WATERPROOF

100　6.25　12.5

5000

Unit:mm

Red/black wire L=150mm, 18AWG

Rmin=50mm

DC24V: 100mm / 10mm / 12.5mm

IP20 | IP65H | IP65 | IP65E
1.2mm 10mm | 1.4mm 10.2mm | 4mm 12mm | 4mm 12mm

PRODUCT SPECIFICATION

Dimension	5000mmx10mmx1.2mm
Chip density	80LEDs/m,20.8mm pitch
Step LEDs	8LED
Step length	100mm
Power(W)	12Watt/meter
Voltage(V)	DC24V
Current(A/m)	0.5A
Copper foil	2oz
Ambient temperature	−20°C~+50°C

POLAR CURVE (Base on IP20 RGB+6000K)

90°
156.3
312.5
468.6
624.9
781.2
0°

C0/C180: — C90/C270: — C0: —
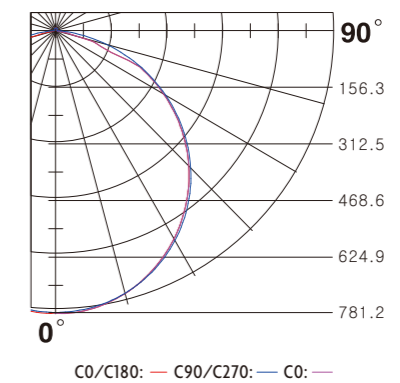
PRODUCT PHOTOMETRICS (The data base on IP20)

CCT (K)	CRI	Lumen(lm/m)	Efficacy(lm/w)
2700±100	80	2160.00	180
3000±100	80	2160.00	180
4000±200	80	2220.00	185
6500±300	80	2220.00	185

Note: Wave length: Red 620~625nm, Green 515~525nm, Blue 465~470nm, Yellow 585~595nm, Customized CCT can be realized according to specific requirements.

Order code: LY80-XH2835 W30 −W24−CV− IP20 → IP20/IP65H/IP65/IP65E
↳ CCT:W27/W30/W40/W66

Hi-Efficiency 2835SMD 128LEDs

▶ High brightness SMD2835, up to 180LM/W
▶ Self-encapsulated design
▶ High quality PCB, high thermal 3M adhesive
▶ Appropriate for projects with high energy efficiency requirements.

2700K 3000K 4000K 6000K | CRI >80

Dimmable | 120° Beam angle | Cuttable | 5m/Reel | 50000 hours Lifetime | WARRANTY 5 YEARS

DIMENSIONS & WATERPROOF

62.5 3.9 7.8
5000
Unit:mm
Red/black wire L=150mm, 18AWG
Rmin=50mm

DC24V: 62.5mm / 10mm / 7.8mm

IP20 | IP65H | IP65 | IP65E
1.2mm 10mm | 1.4mm 10.2mm | 4mm 12mm | 4mm 12mm
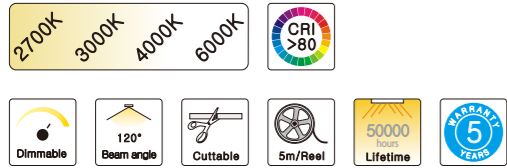
PRODUCT SPECIFICATION

Dimension	5000mmx10mmx1.2mm
Chip density	128LEDs/m,20.8mm pitch
Step LEDs	8LED
Step length	62.5mm
Power(W)	18Watt/meter
Voltage(V)	DC24V
Current(A/m)	0.75A
Copper foil	2oz
Ambient temperature	−20°C~+50°C

POLAR CURVE (Base on IP20 RGB+6000K)

90°
234.4
468.8
703.0
937.4
1171.8
0°
C0/C180: — C90/C270: — C0: —
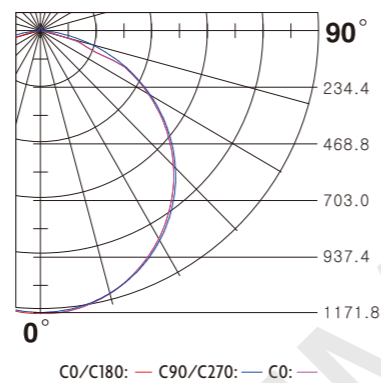
PRODUCT PHOTOMETRICS (The data base on IP20)

CCT (K)	CRI	Lumen(lm/m)	Efficacy(lm/w)
2700±100	80	3240.00	180
3000±100	80	3240.00	180
4000±200	80	3330.00	185
6500±300	80	3330.00	185

Note: Wave length: Red 620~625nm, Green 515~525nm, Blue 465~470nm, Yellow 585~595nm, Customized CCT can be realized according to specific requirements.
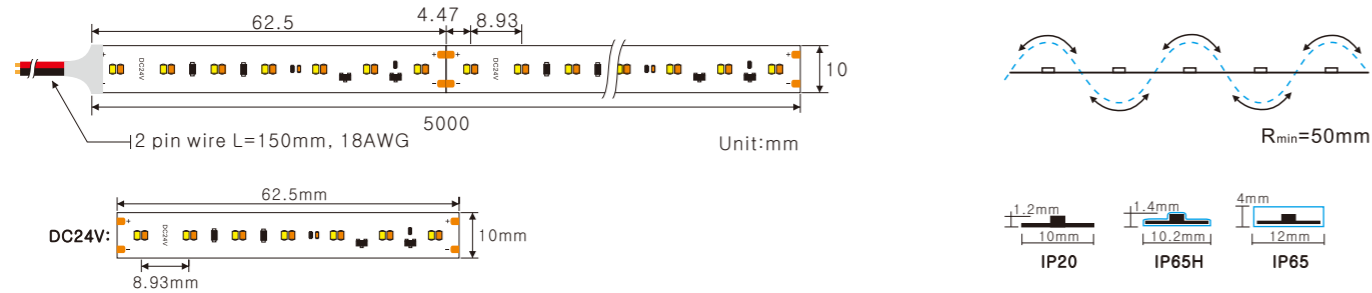
Order code: LY128-XH2835 W30 -W24-CV- IP20 → IP20/IP65H/IP65/IP65E
CCT:W27/W30/W40/W66

Hi-Efficiency 2835SMD 160LEDs

▶ High brightness SMD2835, up to 180LM/W
▶ Self-encapsulated design
▶ High quality PCB, high thermal 3M adhesive
▶ Appropriate for projects with high energy efficiency requirements.

2700K 3000K 4000K 6000K | CRI >80

Dimmable | 120° Beam angle | Cuttable | 5m/Reel | 50000 hours Lifetime | WARRANTY 5 YEARS

DIMENSIONS & WATERPROOF

50 3.1 26.25
5000
Unit:mm
Red/black wire L=150mm, 18AWG
Rmin=50mm

DC24V: 50mm / 10mm / 6.25mm

IP20 | IP65H | IP65 | IP65E
1.2mm 10mm | 1.4mm 10.2mm | 4mm 12mm | 4mm 12mm

PRODUCT SPECIFICATION

Dimension	5000mmx10mmx1.2mm
Chip density	160LEDs/m,20.8mm pitch
Step LEDs	8LED
Step length	50mm
Power(W)	21Watt/meter
Voltage(V)	DC24V
Current(A/m)	0.87A
Copper foil	2oz
Ambient temperature	−20°C~+50°C

POLAR CURVE (Base on IP20 RGB+6000K)

90°
273.5
547.0
820.1
1093.6
1367.1
0°
C0/C180: — C90/C270: — C0: —
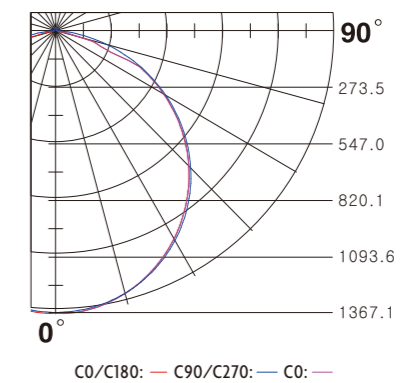
PRODUCT PHOTOMETRICS (The data base on IP20)

CCT (K)	CRI	Lumen(lm/m)	Efficacy(lm/w)
2700±100	80	3780.00	180
3000±100	80	3780.00	180
4000±200	80	3885.00	185
6500±300	80	3885.00	185

Note: Wave length: Red 620~625nm, Green 515~525nm, Blue 465~470nm, Yellow 585~595nm, Customized CCT can be realized according to specific requirements.

Order code: LY160-XH2835 W30 -W24-CV- IP20 → IP20/IP65H/IP65/IP65E
CCT:W27/W30/W40/W66

SPECIAL SERIES

———

Special series are LED strips for specific purposes. It contains Narrow LED Strips, Dim To Warm LED Strips, Side Emitting LED Strips, S Shape LED Strips, Mini Cutting LED Strips, and Special Beam Angle LED strips.

NARROW 2010SMD 108LEDs

▸ 2010 LED with broader luminous surface
▸ Self-encapsulated design offers optional 2000-6000K
▸ Eight white color temperature for option
▸ High quality PCB, high thermal 3M adhesive
▸ Provide 1BIN delivery

2400K 2700K 3000K 4000K 6000K   CRI >90

One Bin | Dimmable | 120° Beam angle | Cuttable | 5m/Reel | 50000 Lifetime | LM80 Compliant | WARRANTY 5 YEARS

DIMENSIONS & WATERPROOF

55.5   4.6 9.25
5000
Red/black wire L=150mm, 20AWG   Unit:mm   Rmin=50mm

DC24V: 55.5mm 9.25mm 2mm

1.4mm 2mm IP20
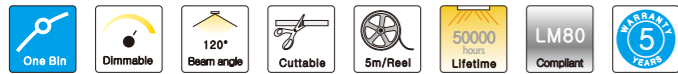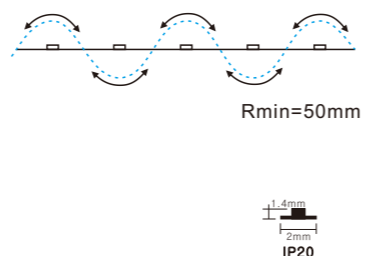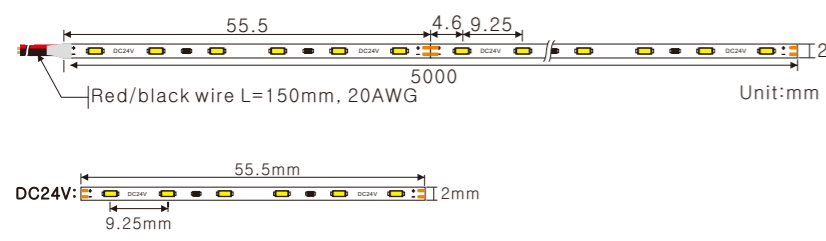
PRODUCT SPECIFICATION

Dimension	5000mmx2mmx1.4mm
Chip density	108LEDs/m,9.25mm pitch
Step LEDs	6LED
Step length	55.5mm
Power(W)	5Watt/meter
Voltage(V)	DC24V
Current(A/m)	0.21A
Copper foil	2oz
Ambient temperature	−20°C~+50°C

POLAR CURVE (Base on IP20 CRI>95 6000K)
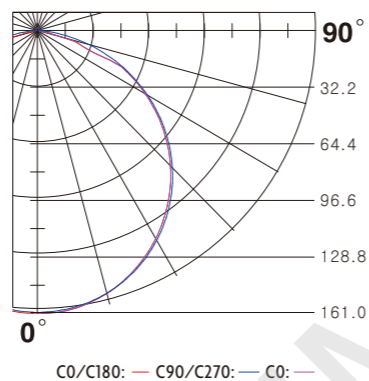
90°
32.2
64.4
96.6
128.8
161.0
0°
C0/C180: — C90/C270: — C0: —

PRODUCT PHOTOMETRICS (The data base on IP20 24V CRI > 90)

CCT (K)	Lumen (lm/m)	Efficacy (lm/w)	CRI	R9	Rf (Fidelity)	Rg (Gamut)
2400±100	345.6	69.12	91.47	76.83	90.81	101.82
2700±100	410.4	82.08	91.33	78.86	92.80	100.81
3000±100	453.6	90.72	92.65	84.93	90.80	103.96
4000±200	442.8	88.56	93.42	85.95	90.95	100.00
6000±300	486	97.20	92.52	90.95	91.96	101.89

Order code: LY108-S2010 W30 -W24-IP20
CCT:W24/W27/W30/W40/W60

NARROW 2010SMD240LEDs

▸ 2010 LED with broader luminous surface
▸ Self-encapsulated design offers optional 2000-6000K
▸ Eight white color temperature for option
▸ High quality PCB, high thermal 3M adhesive
▸ Provide 1BIN delivery

2400K 2700K 3000K 4000K 6000K   CRI >90

One Bin | Dimmable | 120° Beam angle | Cuttable | 5m/Reel | 50000 Lifetime | LM80 Compliant | WARRANTY 5 YEARS

DIMENSIONS & WATERPROOF

25   2.1 4.2
5000   3
Red/black wire L=150mm, 20AWG   Unit:mm   Rmin=50mm

24V: 25mm 3mm 4. 2mm

1.4mm 3mm IP20
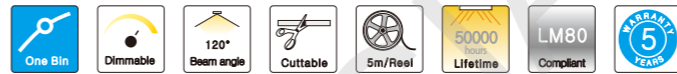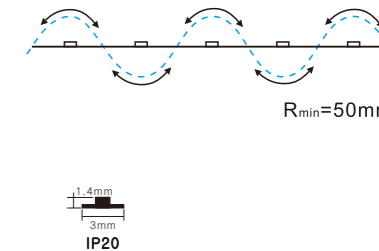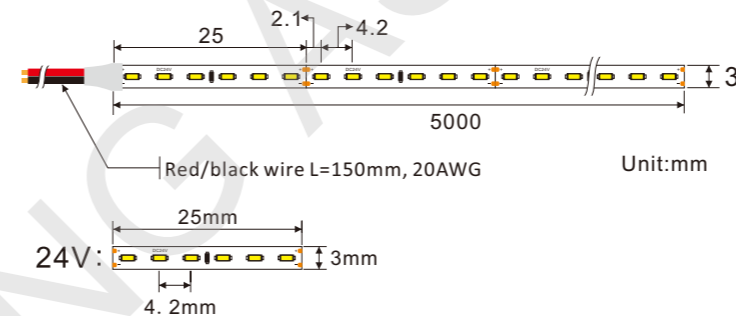
PRODUCT SPECIFICATION

Dimension	5000mmx3mmx1.4mm
Chip density	240LEDs/m,4.2mm pitch
Step LEDs	6LED
Step length	25mm
Power(W)	8Watt/meter
Voltage(V)	DC24V
Current(A/m)	0.33A
Copper foil	2oz
Ambient temperature	−20°C~+50°C
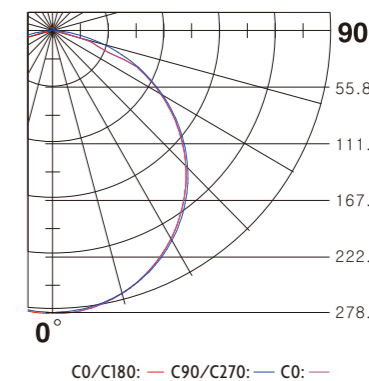
POLAR CURVE (Base on IP20 CRI>90 6000K)

90°
55.8
111.5
167.2
222.9
278.7
0°
C0/C180: — C90/C270: — C0: —

PRODUCT PHOTOMETRICS (The data base on IP20 24V CRI > 90)

CCT (K)	Lumen (lm/m)	Efficacy (lm/w)	CRI	R9	Rf (Fidelity)	Rg (Gamut)
2400±100	576.00	72.00	91.47	76.83	90.81	101.82
2700±100	672.00	84.00	91.33	78.86	92.80	100.81
3000±100	744.00	93.00	92.65	84.93	90.80	103.96
4000±200	720.00	90.00	93.42	85.95	90.95	100.00
6000±300	792. 00	99.00	92.52	90.95	91.96	101.89

Order code: LY240-S2010 W30 -W24- IP20 → IP20
CCT:W24/W27/W30/W40/W60

NARROW 2010SMD 240LEDs

- 2010 LED with broader luminous surface
- Self-encapsulated design offers optional 2000-6000K
- Eight white color temperature for option
- High quality PCB, high thermal 3M adhesive
- Provide 1BIN delivery

2400K 2700K 3000K 4000K 6000K | CRI >90

One Bin | Dimmable | 120° Beam angle | Cuttable | 5m/Reel | 50000 hours Lifetime | LM80 Compliant | 5 YEARS WARRANTY

DIMENSIONS & WATERPROOF

25 2.1 4.2
5000
4
Red/black wire L=150mm, 20AWG   Unit:mm

R$_{min}$=50mm

24V: 25mm 4mm 4.2mm

Bare 1.4mm 4mm — IP20
Silicone Tube Empty 4mm 7mm — IP65

PRODUCT SPECIFICATION

Dimension	5000mmx4mmx1.4mm
Chip density	240LEDs/m,4.2mm pitch
Step LEDs	6LED
Step length	25mm
Power(W)	10Watt/meter
Voltage(V)	DC24V
Current(A/m)	0.42A
Copper foil	2oz
Ambient temperature	-20°C~+50°C
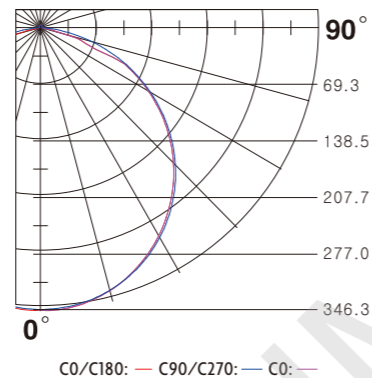
POLAR CURVE (Base on IP20 CRI>90 6000K)

90°
69.3
138.5
207.7
277.0
346.3
0°

C0/C180: — C90/C270: — C0: —

PRODUCT PHOTOMETRICS (The data base on IP20 24V CRI > 90)

CCT (K)	Lumen (lm/m)	Efficacy (lm/w)	CRI	R9	Rf (Fidelity)	Rg (Gamut)
2400±100	720.00	72.00	91.47	76.83	90.81	101.82
2700±100	816.00	81.60	91.33	78.86	92.80	100.81
3000±100	912.00	91.20	92.65	84.93	90.80	103.96
4000±200	888.00	88.80	93.42	85.95	90.95	100.00
6000±300	984.00	98.40	92.52	90.95	91.96	101.89

Order code: LY240-S2010 W30 - W24 - IP20 → IP20/IP65
CCT:W24/W27/W30/W40/W60

NARROW 2835SMD 120LEDs

- 2835 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

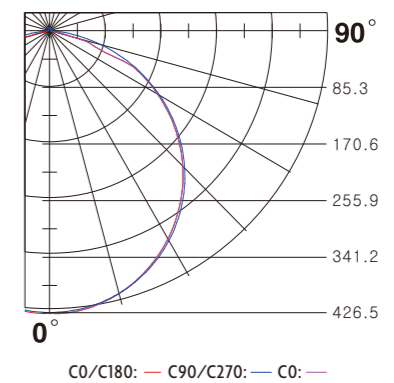2100K 2400K 2700K 4000K 6000K | R G B Y | CRI >90

One Bin | Dimmable | 120° Beam angle | Cuttable | 5m/Reel | 50000 hours Lifetime | LM80 Compliant | 5 YEARS WARRANTY

DIMENSIONS & WATERPROOF

50 4.15 8.3
5000
5
Red/black wire L=150mm, 18AWG   Unit:mm

R$_{min}$=50mm

DC12V: 25mm 5mm
8.3mm 50mm
DC24V: 5mm

Bare 1.2mm 5mm — IP20
Silicone Tube Empty 4mm 7mm — IP65
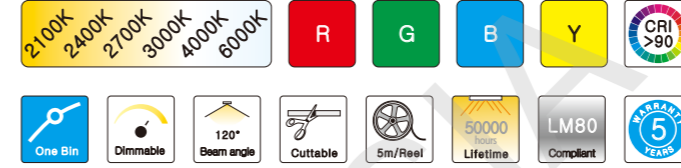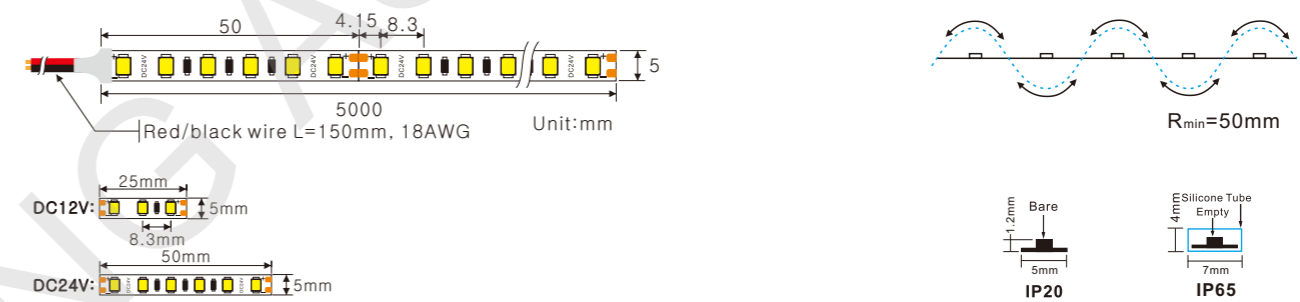
PRODUCT SPECIFICATION

Dimension	5000mmx5mmx1.2mm
Chip density	120LEDs/m,8.3mm pitch
Step LEDs	6LED(24V)/3LED(12V)
Step length	50mm(24V)/25mm(12V)
Power(W)	14.4Watt/meter
Voltage(V)	DC24V/DC12V
Current(A/m)	0.6A(24V)/1.2A(12V)
Copper foil	2oz
Ambient temperature	-20°C~+50°C

POLAR CURVE (Base on IP20 CRI > 90 6000K)

90°
101.4
202.8
304.0
405.4
506.8
0°

C0/C180: — C90/C270: — C0: —
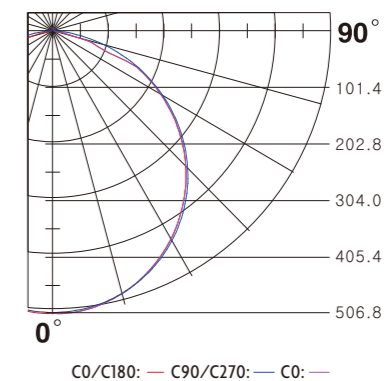
PRODUCT PHOTOMETRICS (The data base on IP20 24V)

CCT (K)	Lumen(lm/m) CRI>90 | CRI>80	Efficacy(lm/w) CRI>90 | CRI>80	CRI CRI>90 | CRI>80	R9 CRI>90 | CRI>80	Rf(Fidelity) CRI>90 | CRI>80	Rg(Gamut) CRI>90 | CRI>80
2100±100	1008.00 | 1404.14	70.00 | 97.51	91.62 | 81.67	69.18 | 7.20	86.08 | 81.09	101.10 | 90.16
2400±100	1108.80 | 1512.00	77.00 | 105.00	90.08 | 81.09	76.10 | 5.08	90.14 | 83.15	101.03 | 92.03
2700±100	1173.60 | 1584.00	81.50 | 110.00	91.13 | 82.04	78.10 | 8.18	89.09 | 82.18	100.06 | 96.15
3000±100	1202.40 | 1656.00	83.58 | 115.00	91.16 | 82.26	79.15 | 6.13	90.14 | 81.08	102.08 | 92.20
4000±200	1368.14 | 1692.00	95.01 | 117.50	94.10 | 82.68	77.14 | 5.08	90.17 | 78.06	99.11 | 95.14
6000±300	1440.14 | 1713.60	100.01 | 119.00	92.10 | 82.18	82.20 | 6.02	91.07 | 86.10	101.11 | 96.11

Note: Wave length: Red 620~625nm, Green 515~525nm, Blue 465~470nm, Yellow 585~595nm, Customized CCT can be realized according to specific requirements.
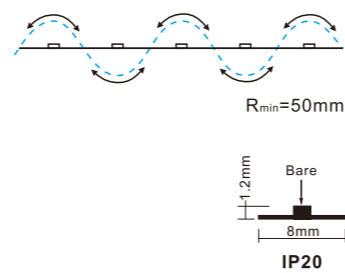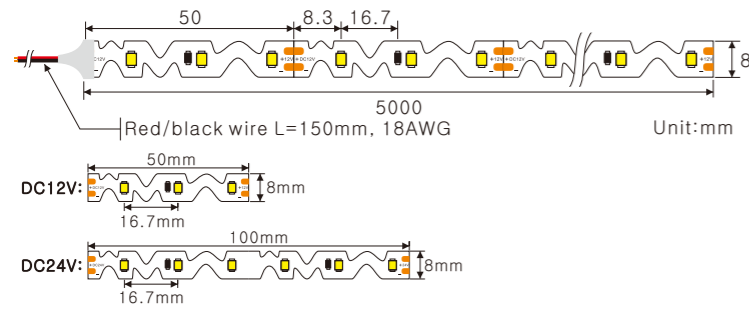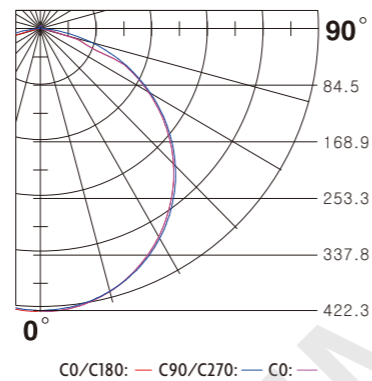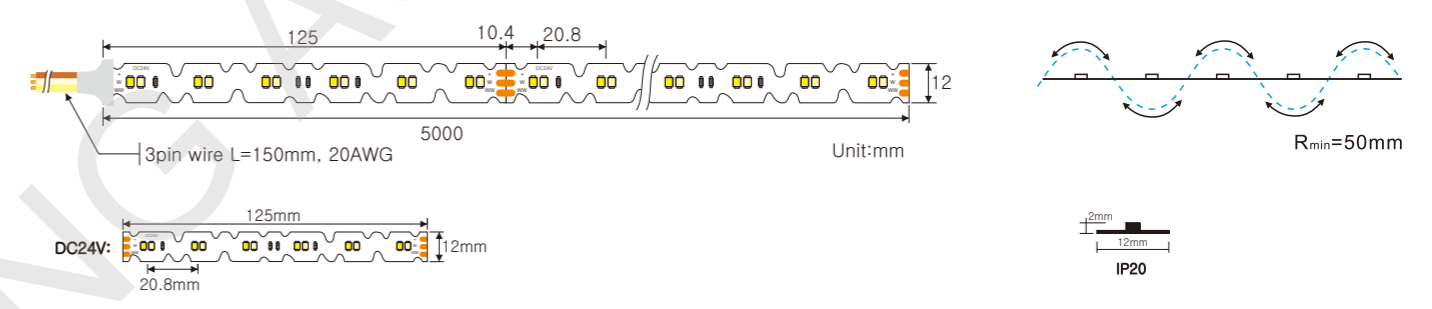
Order code: LY120-S2835 W30 - W24 - IP20 → IP20/IP65
Voltage:W12/W24
CCT:W21/W24/W27/W30/W40/W60

Dim to Warm 2216SMD 224LEDs

▸ Dim from Warm White 3000K to WarmWhite 1800K
▸ Dim by Triac, 0/1~10V, DALI, PWM constant voltage dimmable driver
▸ High quality PCB, high thermal 3M adhesive
▸ Provide 1BIN delivery

| 3000K~1800K Dim to WARM | CRI >90 | One Bin | 120° Beam angle |
| 50000 hours Lifetime | LM80 Compliant | Cuttable | 5m/Reel | 5 YEARS |

DIMENSIONS & WATERPROOF

62.5 4.47 8.93 10
5000
2 pin wire L=150mm, 18AWG   Unit:mm

R min=50mm

62.5mm 10mm
DC24V:
8.93mm

1.2mm 10mm IP20   1.4mm 10.2mm IP65H   4mm 12mm IP65

PRODUCT SPECIFICATION

Dimension	5000mmx10mmx1.2mm
Chip density	224LEDs/m,8.93mm pitch
Step LEDs	14LED
Step length	62.5mm
Power(W)	18Watt/meter
Lumen	1389lumen/meter
Voltage(V)	DC24V
Current(A/m)	0.75A
Copper foil	2oz
Ambient temperature	−20°C~+50°C

DIMMING CURVE (Base on Ip20 CRI > 90)

CCT Curve
CCT(K)
Percentage of dimming(%) / Duty cycle of output voltage

Luminance Curve
Luminance Value (LM)
Percentage of dimming(%) / Duty cycle of output voltage

WIRING DIAGRAM

0/1~10V Dimmer
3000K ➜ 1800K
Dim to WARM
DRIVER 24V

Traditional PWM dimmer
3000K ➜ 1800K
Dim to WARM
DRIVER 24V
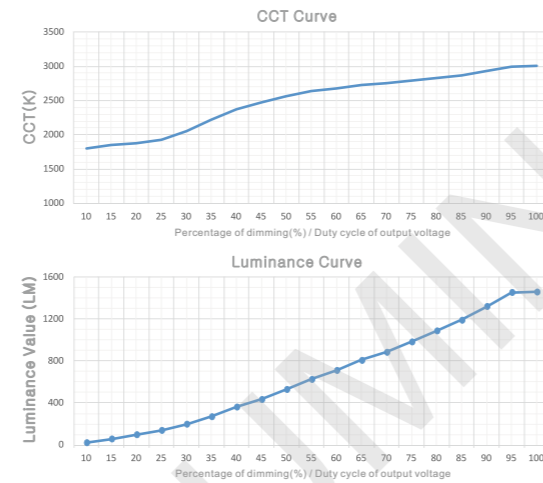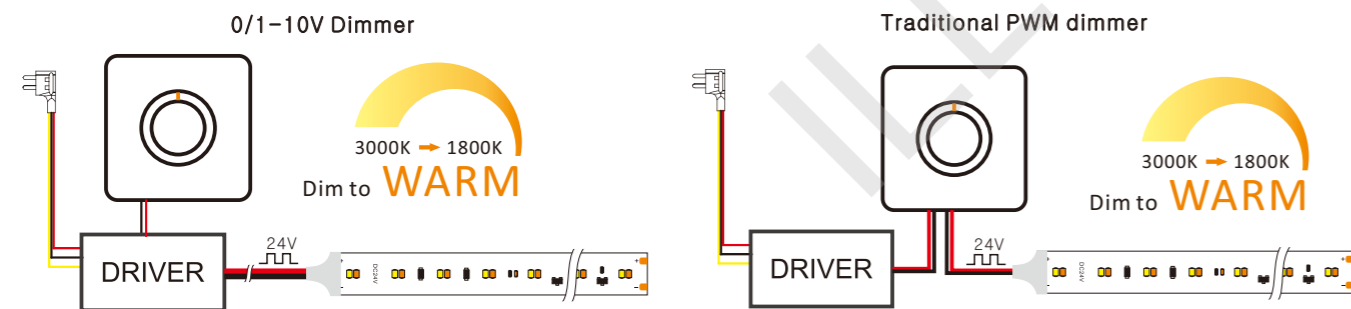
Order code: LY224-DTW2216-W24-IP20 → IP20/IP65H/IP65

Dim to Warm 2835SMD 120LEDs

▸ Dim from Warm White 3500K to WarmWhite 2100K
▸ Dim by Triac, 0/1~10V, DALI, PWM constant voltage dimmable driver
▸ High quality PCB, high thermal 3M adhesive
▸ Provide 1BIN delivery

| 3500K~2100K Dim to WARM | CRI >90 | One Bin | 120° Beam angle |
| 50000 hours Lifetime | LM80 Compliant | Cuttable | 5m/Reel | 5 YEARS |

DIMENSIONS & WATERPROOF

100 8.35 16.7 10
5000
2 pin wire L=150mm, 18AWG   Unit:mm

R min=50mm

100mm 10mm
DC24V:
16.7mm

1.2mm 10mm IP20   1.4mm 10.2mm IP65H   4mm 12mm IP65
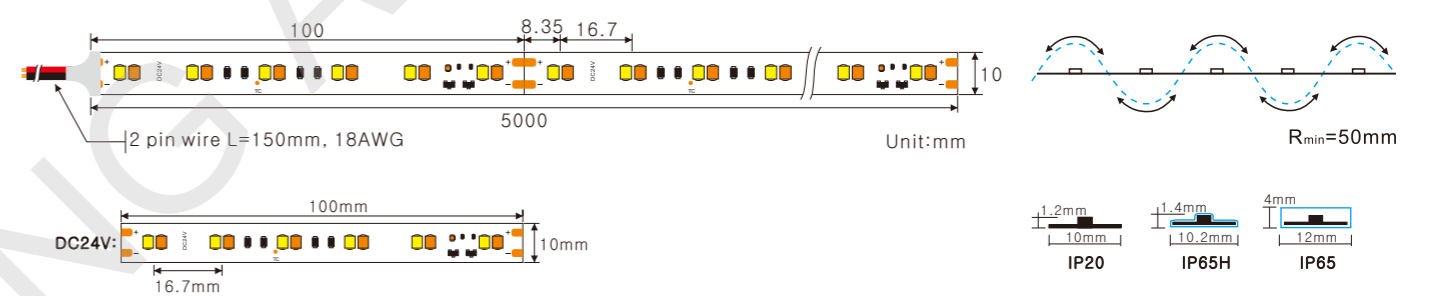
PRODUCT SPECIFICATION

Dimension	5000mmx10mmx1.2mm
Chip density	120LEDs/m,16.7mm pitch
Step LEDs	12LEDs
Step length	100mm
Power(W)	14.4Watt/meter
Lumen	1137lumen/meter
Voltage(V)	DC24V
Current(A/m)	0.6A
Copper foil	2oz
Ambient temperature	−20°C~+50°C

DIMMING CURVE (Base on Ip20 CRI > 90)

CCT Curve
CCT(K)
Percentage of dimming(%) / Duty cycle of output voltage

Luminance Curve
Luminance Value (LM)
Percentage of dimming(%) / Duty cycle of output voltage

WIRING DIAGRAM

0/1~10V Dimmer
3500K ➜ 2100K
Dim to WARM
DRIVER 24V

Traditional PWM dimmer
3500K ➜ 2100K
Dim to WARM
DRIVER 24V
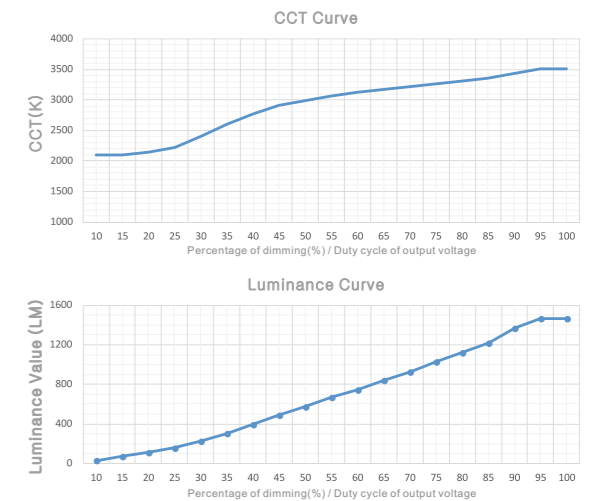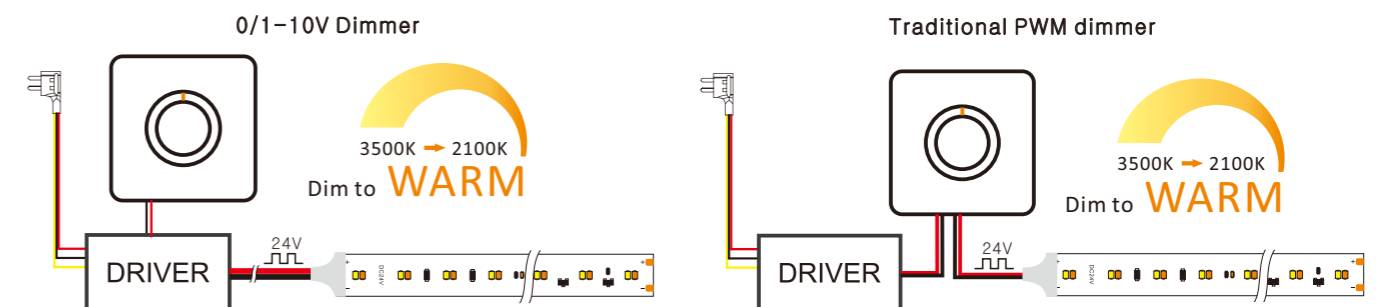
Order code: LY120-DTW2835-W24-IP20 → IP20/IP65H/IP65

SIDE EMITTING 3014SMD 60LEDs

▶ 3014 LED with broader luminous surface
▶ Self-encapsulated design offers optional 2700~6000K
▶ White lights and R/G/B/Y and others colorful lights for option
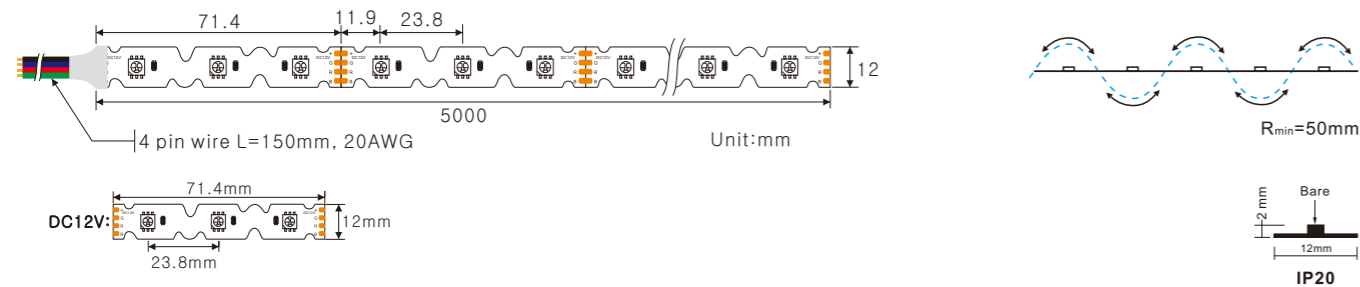▶ High quality PCB, high thermal 3M adhesive
▶ Provide 1BIN delivery

| 2700K | 3000K | 4000K | 6000K | R | G | B | Y | CRI >80 |

| One Bin | Dimmable | 120° Beam angle | Cuttable | 5m/Reel | 50000 hours Lifetime | LM80 Compliant | 5 YEARS |

DIMENSIONS & WATERPROOF

100   8.3 16.7

5000   8

Red/black wire L=150mm, 18AWG   Unit:mm

R_min=50mm

DC12V: 50mm   8mm
          16.7mm
          100mm
DC24V: 8mm
          16.7mm

| 1.2mm 8mm IP20 | 1.4mm 8.2mm IP65H | 4mm 10mm IP65 | 4mm 10mm IP67 | 4mm 10mm IP67E/IP68 |
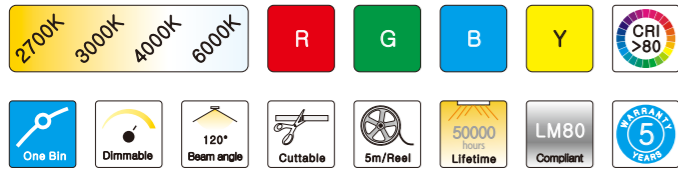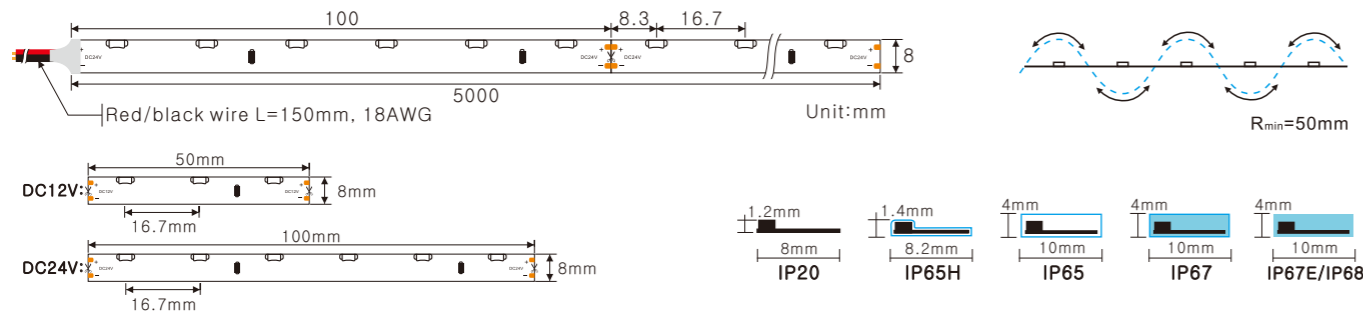
PRODUCT SPECIFICATION

Dimension	5000mmx8mmx1.2mm
Chip density	60LEDs/m,16.7mm pitch
Step LEDs	6LED(24V)/3LED(12V)
Step length	100mm(24V)/50mm(12V)
Power(W)	6Watt/meter
Voltage(V)	DC24V/DC12V
Current(A/m)	0.25A(24V)/0.5A(12V)
Copper foil	2oz
Ambient temperature	−20°C~+50°C
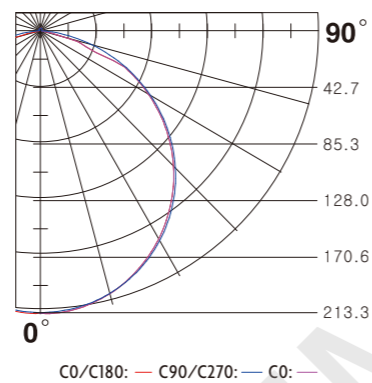
POLAR CURVE (Base on IP20 CRI > 80 6000K)

90°
42.7
85.3
128.0
170.6
213.3
0°

C0/C180: — C90/C270: — C0: —

PRODUCT PHOTOMETRICS (The data base on IP20 24V CRI > 80)

CCT (K)	Lumen (lm/m)	Efficacy (lm/w)	CRI	R9	Rf (Fidelity)	Rg (Gamut)
2700±100	525.06	87.51	81.07	3.08	82.10	95.05
3000±100	590.04	98.34	81.52	7.02	83.02	96.02
4000±200	600.15	100.03	82.48	15.17	84.09	95.06
6000±300	606.11	101.02	82.18	19.15	93.10	96.15

Note: Wave length: Red 620~625nm, Green 515~525nm, Blue 465~470nm, Yellow 585~595nm, Customized CCT can be realized according to specific requirements.

Order code: LY60-ES3014 W30 - W24 - IP20 → IP20/IP65H/IP65/IP67/IP67E/IP68
                                    → Voltage:W12/W24
                                    → CCT:W27/W30/W40/W60

SIDE EMITTING 3014SMD 120LEDs

▶ 3014 LED with broader luminous surface
▶ Self-encapsulated design offers optional 2700~6000K
▶ White lights and R/G/B/Y and others colorful lights for option
▶ High quality PCB, high thermal 3M adhesive
▶ Provide 1BIN delivery

| 2700K | 3000K | 4000K | 6000K | R | G | B | Y | CRI >80 |

| One Bin | Dimmable | 120° Beam angle | Cuttable | 5m/Reel | 50000 hours Lifetime | LM80 Compliant | 5 YEARS |

DIMENSIONS & WATERPROOF

50   4.15 8.3

5000   8

Red/black wire L=150mm, 18AWG   Unit:mm

R_min=50mm

DC12V: 25mm   8mm
          8.3mm
          50mm
DC24V: 8mm
          8.3mm

| 1.2mm 8mm IP20 | 1.4mm 8.2mm IP65H | 4mm 10mm IP65 | 4mm 10mm IP67 | 4mm 10mm IP67E/IP68 |

PRODUCT SPECIFICATION

Dimension	5000mmx8mmx1.2mm
Chip density	120LEDs/m,8.3mm pitch
Step LEDs	6LED(24V)/3LED(12V)
Step length	50mm(24V)/25mm(12V)
Power(W)	12Watt/meter
Voltage(V)	DC24V/DC12V
Current(A/m)	0.5A(24V)/1A(12V)
Copper foil	2oz
Ambient temperature	−20°C~+50°C

POLAR CURVE (Base on IP20 CRI > 80 6000K)

90°
85.3
170.6
255.9
341.2
426.5
0°

C0/C180: — C90/C270: — C0: —

PRODUCT PHOTOMETRICS (The data base on IP20 24V CRI>80)

CCT (K)	Lumen (lm/m)	Efficacy (lm/w)	CRI	R9	Rf (Fidelity)	Rg (Gamut)
2700±100	1050.03	87.50	81.01	0.16	82.14	95.07
3000±100	1164.07	97.01	81.69	7.11	83.14	96.12
4000±200	1200.19	100.02	82.36	15.15	84.01	95.05
6000±300	1212.08	101.01	82.18	19.02	93.17	96.09

Note: Wave length: Red 620~625nm, Green 515~525nm, Blue 465~470nm, Yellow 585~595nm, Customized CCT can be realized according to specific requirements.

Order code: LY120-ES3014 W30 - W24 - IP20 → IP20/IP52/IP65H/IP65/IP67/IP67E/IP68
                                      → Voltage:W12/W24
                                      → CCT:W27/W30/W40/W60
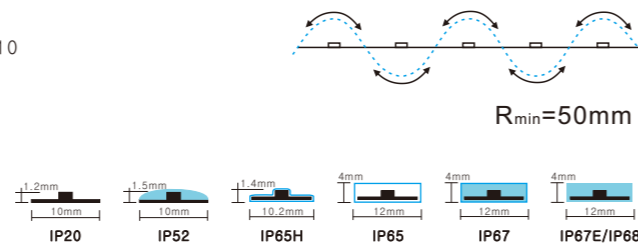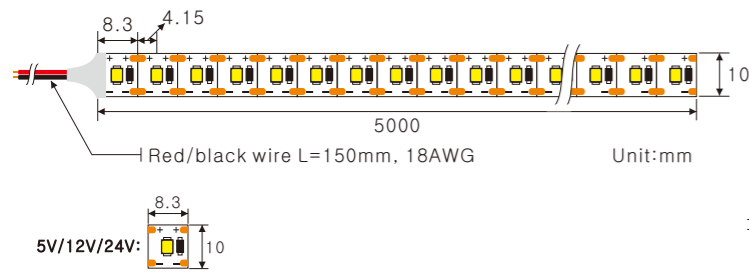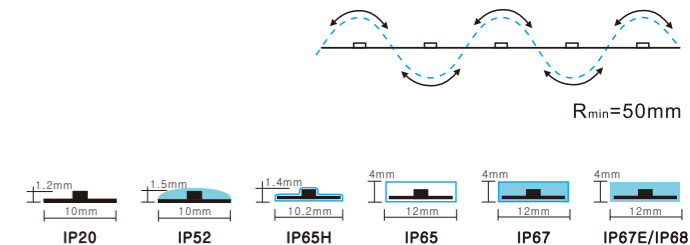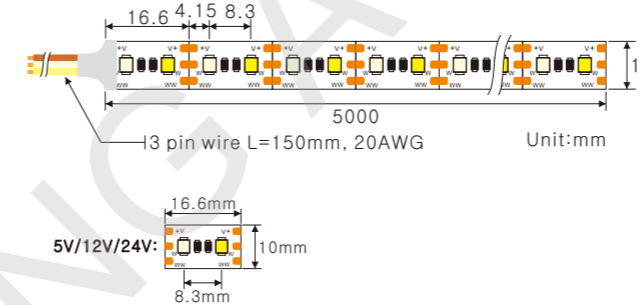
S SHAPE 2835SMD 60LEDs

▸ 2835 LED S shape design,horizontal bending for signage lighting
▸ 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

2100K 2400K 2700K 3000K 4000K 6000K | R | G | B | Y | CRI >90

One Bin | Dimmable | 120° Beam angle | Cuttable | 5m/Reel | 50000 hours Lifetime | LM80 Compliant | 5 YEARS WARRANTY

DIMENSIONS & WATERPROOF

Red/black wire L=150mm, 18AWG Unit:mm

R_min=50mm

DC12V: 50mm / 8mm / 16.7mm
DC24V: 100mm / 8mm / 16.7mm

1.2mm Bare / 8mm / IP20

PRODUCT SPECIFICATION

Dimension	5000mmx8mmx1.2mm
Chip density	60LEDs/m,16.7mm pitch
Step LEDs	6LED(24V)3LED(12V)
Step length	100mm(24V)/50mm(12V)
Power(W)	12Watt/meter
Voltage(V)	DC24V/DC12V
Current(A/m)	0.5A(24V)/1A(12V)
Copper foil	2oz
Ambient temperature	−20°C~+50°C

POLAR CURVE (Base on IP20 CRI > 90 6000K)

90° 84.5 168.9 253.3 337.8 422.3
0°
C0/C180: — C90/C270: — C0: —

PRODUCT PHOTOMETRICS (The data base on IP20 24V CRI > 90)

CCT (K)	Lumen(lm/m) CRI>90|CRI>80	Efficacy(lm/w) CRI>90|CRI>80	CRI CRI>90|CRI>80	R9 CRI>90|CRI>80	Rf(Fidelity) CRI>90|CRI>80	Rg(Gamut) CRI>90|CRI>80
2100±100	840 | 1170	70.0 | 97.5	91.5 | 81.5	69 | 7	86 | 81	101 | 90
2400±100	924 | 1260	77.0 | 105.0	90.0 | 81.0	76 | 5	90 | 83	101 | 92
2700±100	978 | 1320	81.5 | 110.0	91.0 | 82.0	78 | 8	89 | 82	100 | 96
3000±100	1003 | 1380	83.5 | 115.0	91.0 | 82.2	79 | 6	90 | 81	102 | 92
4000±200	1140 | 1410	95.0 | 117.5	94.0 | 82.5	77 | 5	90 | 78	99 | 95
6000±300	1200 | 1428	100 | 122.4	92.0 | 82.0	82 | 6	91 | 86	101 | 96

Note: Wave length: Red 620~625nm, Green 515~525nm, Blue 465~470nm, Yellow 585~595nm, Customized CCT can be realized according to specific requirements.

Order code: LY60-BS2835WW30-W24-IP20
→ Voltage:W12/W24
→ CCT:W21/W24/W27/W30/W40/W60

S SHAPE 2835SMD 96LEDs

▸ 2835 LED S shape design,horizontal bending for signage lighting
▸ 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

2100K 2400K 2700K 3000K 4000K 6000K | R | G | B | Y | CRI >90

One Bin | Dimmable | 120° Beam angle | Cuttable | 5m/Reel | 50000 hours Lifetime | LM80 Compliant | 5 YEARS WARRANTY

DIMENSIONS & WATERPROOF

3pin wire L=150mm, 20AWG Unit:mm

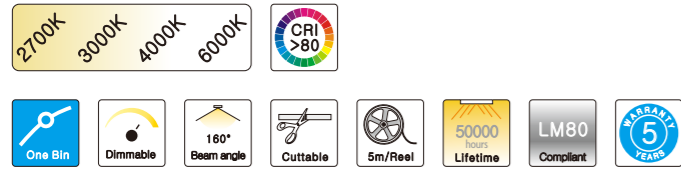R_min=50mm

DC24V: 125mm / 12mm / 20.8mm

2mm / 12mm / IP20
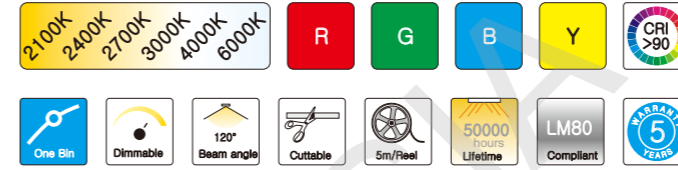
PRODUCT SPECIFICATION

Dimension	5000mmx12mmx1.2mm
Chip density	96LEDs/m,20.8mm pitch
Step LEDs	12LED
Step length	125mm
Power(W)	19.2Watt/meter
Voltage(V)	DC24V
Current(A/m)	0.8A
Copper foil	2oz
Ambient temperature	−20°C~+50°C

POLAR CURVE (Base on IP20 2700K+6000K)
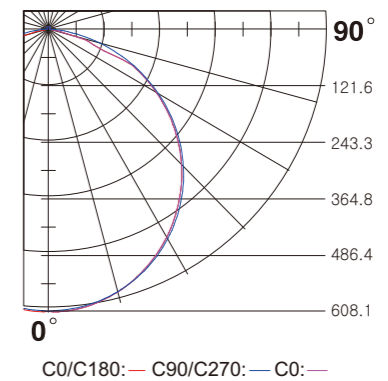
90° 121.6 243.3 364.8 486.4 608.1
0°
C0/C180: — C90/C270: — C0: —

PRODUCT PHOTOMETRICS (The data base on IP20 24V CRI > 90)

CCT (K)	Lumen(lm/m) CRI>90|CRI>80	Efficacy(lm/w) CRI>90|CRI>80	CRI CRI>90|CRI>80	R9 CRI>90|CRI>80	Rf(Fidelity) CRI>90|CRI>80	Rg(Gamut) CRI>90|CRI>80	EEI Class CRI>90|CRI>80
▸ 2700±100	782 | 1056	81.5 | 110	91 | 82.0	78 | 8	89 | 82	100 | 96	B | A
▸ 6000±300	1000 | 1190	100 | 119	92 | 82.0	82 | 6	91 | 86	101 | 96	B | A
▸ 2700+6000	1728 | 2188	90.0 | 114	94 | 82.5	77 | 5	90 | 78	99 | 95	A⁺ | A⁺

Note: Wave length: Red 620~625nm, Green 515~525nm, Blue 465~470nm, Yellow 585~595nm, Customized CCT can be realized according to specific requirements.

Order code: LY96-BS2835WW30-W24-IP20
→ W12/W24
→ WW21/WW24/WW27/WW30/NW40/DW60

S SHAPE RGB 5050SMD 42LEDs

▸ 5050 LED S shape design,horizontal bending for signage lighting
▸ Self-encapsulated design
▸ High quality PCB, high thermal 3M adhesive
▸ Widely adaptable to all types of controllers

RGB

| One Bin | Dimmable | 120° Beam angle | Cuttable | 5m/Reel | 50000 hours Lifetime | LM80 Compliant | 5 YEARS WARRANTY |

DIMENSIONS & WATERPROOF

71.4   11.9   23.8   12
5000
4 pin wire L=150mm, 20AWG   Unit:mm
R min=50mm

DC12V   71.4mm   12mm
23.8mm

2mm Bare
12mm
IP20
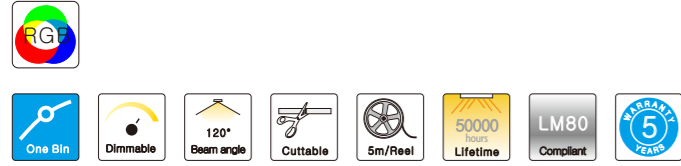
PRODUCT SPECIFICATION

Dimension	5000mmx12mmx2mm
Chip density	42LEDs/m,23.8mm pitch
Step LEDs	3LED
Step length	71.4mm
Power(W)	10Watt/meter
Voltage(V)	DC12V
Current(A/m)	0.83A
Copper foil	2oz
Ambient temperature	−20°C~+50°C
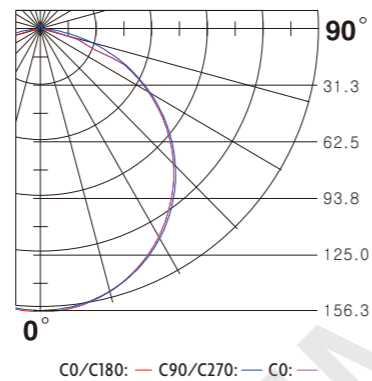
POLAR CURVE (Base on IP20)

90°
31.3
62.5
93.8
125.0
156.3
0°
C0/C180: — C90/C270: — C0: —

PRODUCT PHOTOMETRICS (The data base on IP20)

Color	CCT/Wavelength	Power (w/m)	Lumen (lm/m)	Efficacy (lm/w)
Red	620nm	3.20	103.10	32.22
Green	520nm	3.52	336.34	95.55
Blue	465nm	3.28	61.96	18.89
RGB	/	10	440.00	44.00

Order code: LY60−BS5050RGB−W12−IP20

S SHAPE RGBW 5050SMD 48LEDs

▸ 5050 LED S shape design,horizontal bending for signage lighting
▸ Self-encapsulated design
▸ High quality PCB, high thermal 3M adhesive
▸ Widely adaptable to all types of controllers

| 2700K | 3000K | 4000K | 6000K | CRI >80 | RGB |

| Dimmable | 120° Beam angle | Cuttable | 5m/Reel | 50000 hours Lifetime | 5 YEARS WARRANTY |

DIMENSIONS & WATERPROOF

125   10.4   20.8   12
5000
5 pin wire L=150mm, 20AWG   Unit:mm
R min=50mm

DC12V: 62.5mm   12mm
20.8mm

DC24V: 125mm   12mm
20.8mm

2mm Bare
12mm
IP20
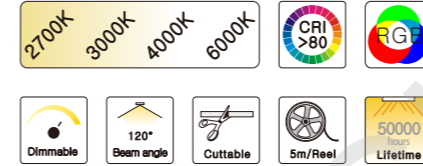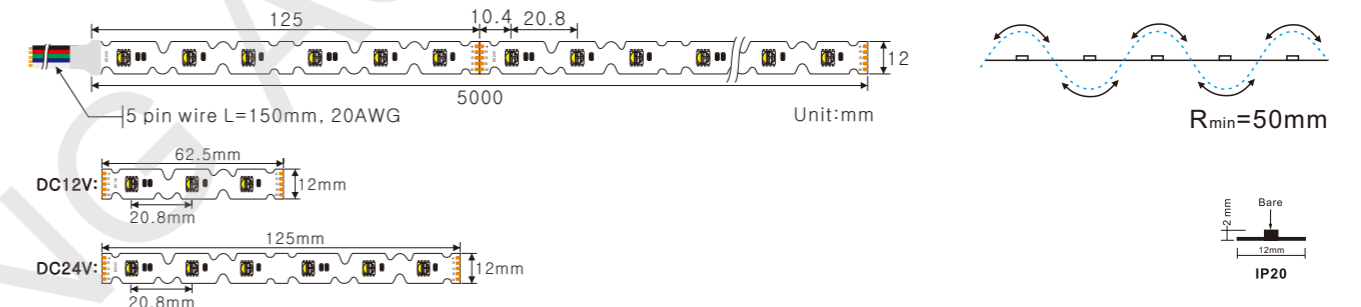
PRODUCT SPECIFICATION

Dimension	5000mmx12mmx1.2mm
Chip density	48LEDs/m,20.8mm pitch
Step LEDs	6LED(24V)/3LED(12V)
Step length	125mm(24V)/62.5mm(12V)
Power(W)	15Watt/meter
Voltage(V)	DC24V/DC12V
Current(A/m)	0.62A(24V)/1.25A(12V)
Copper foil	2oz
Ambient temperature	−20°C~+50°C
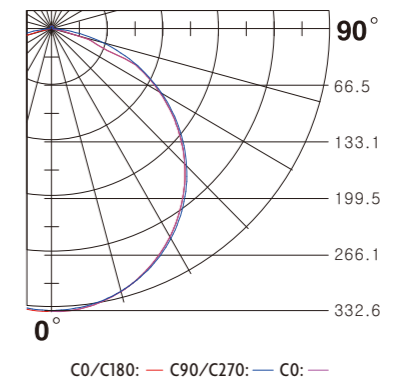
POLAR CURVE (Base on IP20 RGB+6000K)

90°
66.5
133.1
199.5
266.1
332.6
0°
C0/C180: — C90/C270: — C0: —

PRODUCT PHOTOMETRICS (The data base on IP20 24V)

Color	CCT/Wavelength	Power (w/m)	Lumen (lm/m)	Efficacy (lm/w)
Red	620nm	3.21	113.6	35.29
Green	520nm	3.85	313.9	81.38
Blue	465nm	3.54	84.81	23.93
W	6000K	4.11	450.36	109.55
RGBW	/	15.0	956.36	66.28

Note: Wave length: Red 620~625nm, Green 515~525nm, Blue 465~470nm, Yellow 585~595nm, Customized CCT can be realized according to specific requirements.

Order code: LY48−BS5050RGBW30−W24−IP20
→ Voltage:W12/W24
→ RGBW27/RGBW30/RGBW40/RGBW60

MINI CUTTING 2835SMD 120LEDs

- 2835 LED with broader luminous surface
- Self-encapsulated design offers optional 1800~10000K
- High quality PCB, high thermal 3M adhesive
- Provide 1BIN delivery

2100K 2400K 2700K 3000K 4000K 6000K | CRI >90

One Bin | Dimmable | 120° Beam angle | Cuttable | 5m/Reel | 50000 hours Lifetime | LM80 Compliant | 5 YEARS WARRANTY

DIMENSIONS & WATERPROOF

8.3 4.15
5000
Red/black wire L=150mm, 18AWG   Unit:mm
10

$R_{min}=50mm$

5V/12V/24V: 8.3 / 10

IP20 1.2mm 10mm | IP52 1.5mm 10mm | IP65H 1.4mm 10.2mm | IP65 4mm 12mm | IP67 4mm 12mm | IP67E/IP68 4mm 12mm
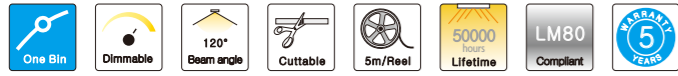
PRODUCT SPECIFICATION

Dimension	5000mmx10mmx1.2mm
Chip density	120LEDs/m,8.3mm pitch
Step LEDs	1LED
Step length	8.3mm
Power(W)	19/14/12Watt/meter
Voltage(V)	DC24V/DC12V/DC5V
Current(A/m)	0.79A(24V)/1.2(12V)/2.4A(5V)
Copper foil	2oz
Ambient temperature	-20°C~+50°C

POLAR CURVE (Base on IP20 CRI > 90 19W 6000K)

90°
128.8
257.6
386.3
515.2
644.0
0°
C0/C180: — C90/C270: — C0: —
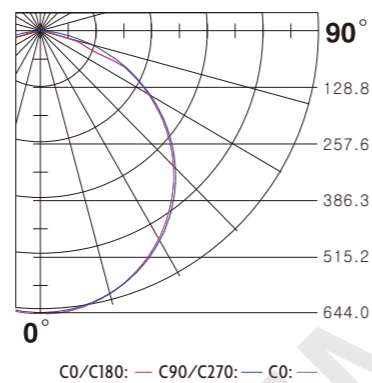
PRODUCT PHOTOMETRICS (The data base on IP20 24V CRI > 90 19W)

CCT (K)	Lumen(lm/m)		Efficacy(lm/w)		CRI		R9		Rf(Fidelity)		Rg(Gamut)	
	CRI>90	CRI>80	CRI>90	CRI>80	CRI>90	CRI>80	CRI>90	CRI>80	CRI>90	CRI>80	CRI>90	CRI>80
2100±100	1300.17	1500.24	68.43	78.96	90.14	81.02	72.01	11.09	88.12	78.15	100.18	90.15
2400±100	1450.08	1800.25	76.32	94.75	90.19	82.07	74.10	14.03	89.19	83.07	101.12	92.15
2700±100	1599.99	2070.05	84.21	108.95	90.06	81.57	76.13	15.04	89.17	76.08	101.09	96.14
3000±100	1680.17	2147.95	88.43	113.05	89.90	82.09	79.13	14.09	90.08	86.04	103.08	92.12
4000±200	1800.25	2280.19	94.75	120.01	90.18	82.62	78.20	15.02	88.13	78.08	101.11	95.10
6000±300	1830.08	2300.14	96.32	121.06	89.17	81.53	77.10	15.12	89.12	86.08	102.02	96.06

Order code: LY120-OS2835 W30 - W24 - IP20 → IP20/IP52/IP65H/IP65/IP67/IP67E/IP68
→ Voltage:W5/W12/W24
→ CCT:W21/W24/W27/W30/W40/W60

TW MINI CUTTING 2835SMD 120LEDs

- 2835 LED with broader luminous surface
- Self-encapsulated design offers optional 1800~10000K
- High quality PCB, high thermal 3M adhesive
- Provide 1BIN delivery

2100K 2400K 2700K 3000K 4000K 6000K | CRI >90

One Bin | Dimmable | 120° Beam angle | Cuttable | 5m/Reel | 50000 hours Lifetime | LM80 Compliant | 5 YEARS WARRANTY

DIMENSIONS & WATERPROOF

16.6 4.15 8.3
5000
3 pin wire L=150mm, 20AWG   Unit:mm
10

$R_{min}=50mm$

5V/12V/24V: 16.6 / 10 / 8.3

IP20 1.2mm 10mm | IP52 1.5mm 10mm | IP65H 1.4mm 10.2mm | IP65 4mm 12mm | IP67 4mm 12mm | IP67E/IP68 4mm 12mm

PRODUCT SPECIFICATION

Dimension	5000mmx10mmx1.2mm
Chip density	120LEDs/m,8.3mm pitch
Step LEDs	2LEDs
Step length	16.6mm
Power(W/M)	19W/14W/12W/meter
Voltage(V)	DC24V/DC12V/DC5V
Current(A/m)	0.79A(24V)/1.16A(12V)/2.4A(5V)
Copper foil	2oz
Ambient temperature	-20°C~+50°C

POLAR CURVE (Base on IP20 24V 19W CRI > 90 6000K)
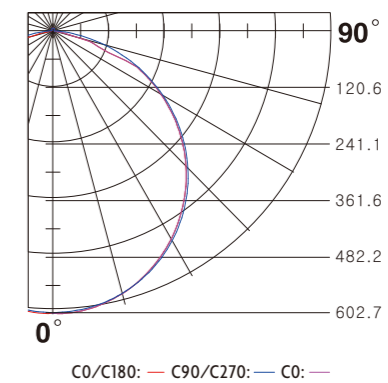
90°
120.6
241.1
361.6
482.2
602.7
0°
C0/C180: — C90/C270: — C0: —

PRODUCT PHOTOMETRICS (The data base on IP20 24V CRI > 90)

CCT (K)	Lumen(lm/m)		Efficacy(lm/w)		CRI		R9		Rf(Fidelity)		Rg(Gamut)	
	CRI>90	CRI>80	CRI>90	CRI>80	CRI>90	CRI>80	CRI>90	CRI>80	CRI>90	CRI>80	CRI>90	CRI>80
2700±100	798.06	1026.17	84.01	108.14	90.15	81.51	76.08	15.01	89.09	76.10	101.15	96.15
6000±400	912.06	1149.13	96.01	121.13	91.01	81.95	77.07	11.11	88.07	82.15	102.05	96.19
2700±6000	1712.85	2188.80	90.15	115.2	90.65	81.31	77.04	14.01	89.06	86.04	100.1	92.08

Order code: LY120-OS2835 TW2760 - W24 - IP20 → IP20/IP52/IP65H/IP65/IP67/IP67E/IP68
→ Voltage:W5/W12/W24
→ CCT:TW2160/TW2460/TW2760/TW3060...

160°BEAM ANGLE 6060SMD 60LEDs

▶ 6060 LED with broader luminous surface with LENs
▶ Self-encapsulated design offers optional 2700-6000K
▶ Four white color temperature for option
▶ High quality PCB, high thermal 3M adhesive
▶ Provide 1BIN delivery

2700K 3000K 4000K 6000K | CRI >80

One Bin | Dimmable | 160° Beam angle | Cuttable | 5m/Reel | 50000 Hours Lifetime | LM80 Compliant | 5 YEARS WARRANTY

DIMENSIONS & WATERPROOF

33.3 8.3 16.7
5000
Red/black wire L=150mm, 18AWG
Unit:mm
10
R min=50mm

24V: 33.3mm / 16.7mm
3.4mm / 10mm
IP20
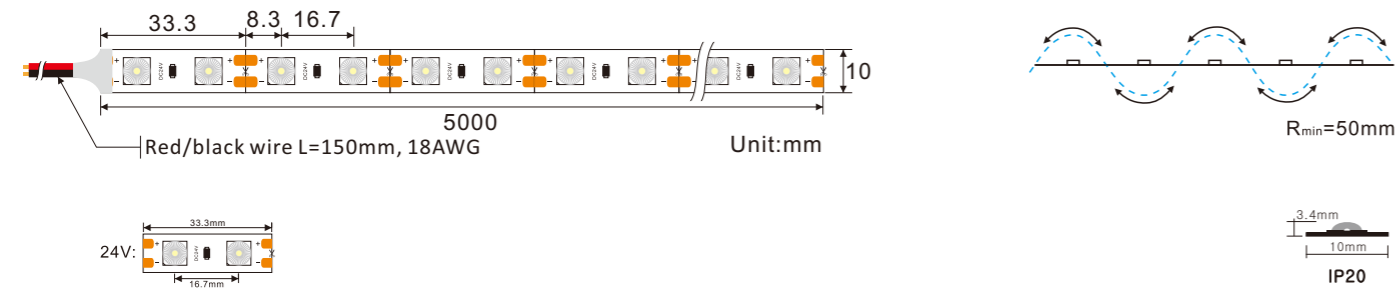
PRODUCT SPECIFICATION

Dimension	5000mmx10mmx3.4mm
Chip density	60LEDs/m,16.7mm pitch
Step LEDs	2LED
Step length	33.3mm
Power(W)	20Watt/meter
Voltage(V)	DC24V
Current(A/m)	0.83A
Copper foil	2oz
Ambient temperature	-20°C~+50°C

POLAR CURVE (Base on IP20 CRI>90,6000K)

90°
148.7
297.4
446.0
594.7
743.4
0°

C0/C180: — C90/C270: — C0: —
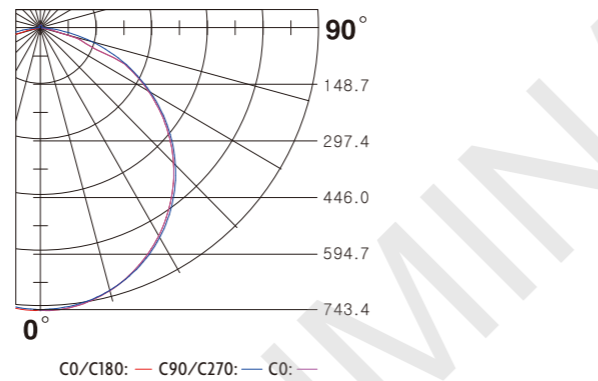
PRODUCT PHOTOMETRICS (The data base on IP20 24V CRI > 80)

CCT (K)	Lumen (lm/m)	Efficacy (lm/w)	CRI	R9	Rf (Fidelity)	Rg (Gamut)
2700±100	1912.0	95.60	82.35	12.76	80.10	92.63
3000±100	2013.0	100.65	84.20	13.54	81.93	93.91
4000±200	2070.4	103.52	83.51	15.04	83.98	94.28
6000±300	2112.6	105.63	85.17	20.05	83.09	95.90

Order code: LY60-S6060W30-W24-IP20
→ CCT:W27/W30/W40/W60

60°BEAM ANGLE 2835SMD 120LEDs

▶ 2835 LED with special secondary optical design
▶ Self-encapsulated design offers optional 2700-6000K
▶ Four white color temperature for option
▶ High quality PCB, high thermal 3M adhesive
▶ Provide 1BIN delivery

2700K 3000K 4000K 6000K | CRI >80

Dimmable | 60° Beam angle | Cuttable | 5m/Reel | 50000 Hours Lifetime | 5 YEARS WARRANTY

DIMENSIONS & WATERPROOF

50 8.3
DC24V
5000
2 pin wire L=150mm, 18AWG
Unit:mm
10
R min=50mm

50mm
DC24V: 8.3mm
3.2mm / 10mm
IP20
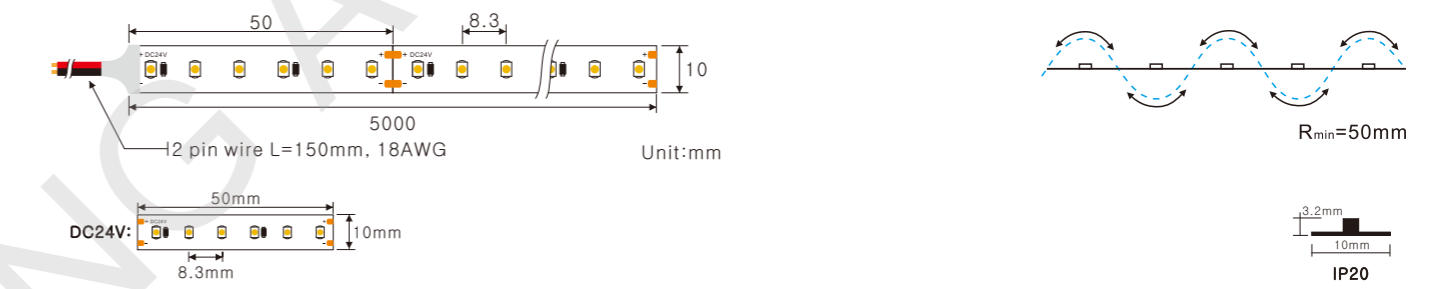
PRODUCT SPECIFICATION

Dimension	5000mmx10mmx3.2mm
Chip density	120LED,8.3mm LED pitch
Step LEDs	6LEDs
Step length	50mm
Power(W)	14.4Watt/meter
Voltage(V)	DC24V
Current(A/m)	0.89A
Copper foil	2oz
Ambient temperature	-20°C~+50°C
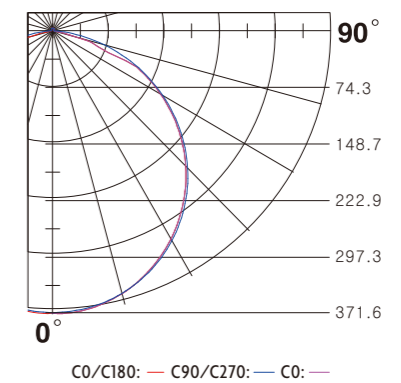
POLAR CURVE (Base on IP20 RGB+6000K)

90°
74.3
148.7
222.9
297.3
371.6
0°

C0/C180: — C90/C270: — C0: —

PRODUCT PHOTOMETRICS (The data base on IP20 24V CRI > 80)

CCT (K)	Lumen (lm/m)	Efficacy (lm/w)	CRI	R9	Rf (Fidelity)	Rg (Gamut)
2700±100	1020.0	70.8	80.0	13.56	81.32	92.82
3000±100	1080.0	75.0	80.0	14.24	82.21	94.01
4000±200	1020.0	71.0	80.0	15.84	84.40	94.75
6000±300	1056.0	73.3	80.0	21.35	83.86	96.20

Order code: LY120-S2835W30-W24-IP20
→ CCT:W27/W30/W40/W60

FLEX LED
SHEET

Flex LED Sheets, also called Flex LED Tiles, Flex LED Light Sheets, are thin, flexible sheets of LEDs that can be mounted in light boxes, panels, screen, or other backlighting applications. The Flex LED Sheets is thin and cuttable, can be cut to almost every shape, making them applicable to illuminating curved, sloped, or large objects. Intuitive, plug-and-play connections ensure reduced installation time and cost.
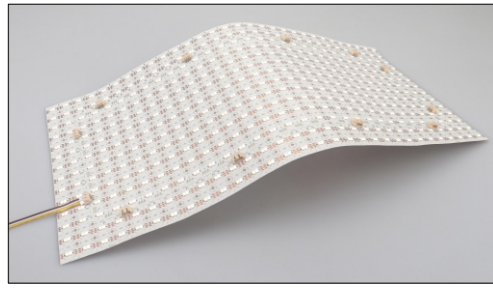
FEATURES

. 24 VDC input. 90+ CRI

. Single white / tunable white / RGBW options

. Highly adaptable design accommodates virtually any application

· LED lifetime of 50,000 hours (L70)

. 3M adhesive backing

. Operating temperature of −40~113° F (−20~45° C)

. IP20 environmental rating

APPLICATIONS

Some common applications include sign lighting, bias lighting, cove lighting, task lighting, backlighting, accent lighting, and under cabinet lighting.
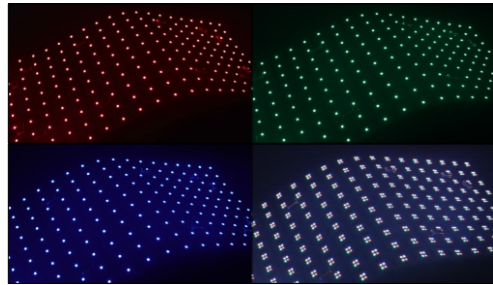
Single White Parameters

Part NO.	Size	LED Type	LED QTY	LED Segment	Voltage	Power	CRI	CCT	Lumen (lm/Sheet)	Efficacy (lm/w)
LY420-LS2835W27-24V-Ra90-11W	503.5 x 235mm	SMD2835	420LEDs/Sheet	1LED/Seg	24V	11W/Sheet	Ra>90	2700K	1012	92
LY420-LS2835W30-24V-Ra90-11W								3000K	1012	92
LY420-LS2835W40-24V-Ra90-11W								4000K	1144	104
LY420-LS2835W65-24V-Ra90-11W								6500K	1078	98
LY420-LS2835W27-24V-Ra90-22W	503.5 x 235mm	SMD2835	420LEDs/Sheet	1LED/Seg	24V	22W/Sheet	Ra>90	2700K	2024	92
LY420-LS2835W30-24V-Ra90-22W								3000K	2024	92
LY420-LS2835W40-24V-Ra90-22W								4000K	2288	104
LY420-LS2835W65-24V-Ra90-22W								6500K	2156	98
LY420-LS2835W27-24V-Ra90-33W	503.5 x 235mm	SMD2835	420LEDs/Sheet	1LED/Seg	24V	33W/Sheet	Ra>90	2700K	3036	92
LY420-LS2835W30-24V-Ra90-33W								3000K	3036	92
LY420-LS2835W40-24V-Ra90-33W								4000K	3432	104
LY420-LS2835W65-24V-Ra90-33W								6500K	3234	98

Tunable White Parameters

Part NO.	Size	LED Type	LED QTY	LED Segment	Voltage	Power	CRI	CCT	Lumen (lm/Sheet)	Efficacy (lm/w)
LY840-LS2835TW2765-24V-Ra90-22W	503.5 x 235mm	SMD2835	840LEDs/Sheet	2LED/Seg	24V	22W/Sheet	Ra>90	2700K (ONLY)	1012	92
LY840-LS2835TW2765-24V-Ra90-22W								6500K (ONLY)	1078	98
LY840-LS2835TW2765-24V-Ra90-22W								2700K+6500K	2090	95
LY840-LS2835TW2765-24V-Ra90-44W	503.5 x 235mm	SMD2835	840LEDs/Sheet	2LED/Seg	24V	44W/Sheet	Ra>90	2700K (ONLY)	2024	92
LY840-LS2835TW2765-24V-Ra90-44W								6500K (ONLY)	2156	98
LY840-LS2835TW2765-24V-Ra90-44W								2700K+6500K	4180	95
LY840-LS2835TW2765-24V-Ra90-66W	503.5 x 235mm	SMD2835	840LEDs/Sheet	2LED/Seg	24V	66W/Sheet	Ra>90	2700K (ONLY)	3036	92
LY840-LS2835TW2765-24V-Ra90-66W								6500K (ONLY)	3234	98
LY840-LS2835TW2765-24V-Ra90-66W								2700K+6500K	6270	95

Note: Our tunable white LEDs utilize separate warm and cool white channels for color mixing.
3rd party controls must account for proportional balancing of the two channels.
Example: If Warm White = 100% ON then Cool White = OFF. If Warm White = 25% ON, then Cool White = 75% ON.

RGBW Parameters

Part NO.	Size	LED Type	LED QTY	LED Segment	Voltage	Power	CRI	CCT	Lumen (lm/Sheet)	Efficacy (lm/w)
LY800-LS2835RGBW-24V-Ra90-11W	503.5 x 235mm	SMD2835	800LEDs/Sheet	4LED/Seg	24V	11W/Sheet	Ra>90	Red ONLY	55	20
LY800-LS2835RGBW-24V-Ra90-11W								Green ONLY	217	79
LY800-LS2835RGBW-24V-Ra90-11W								Bue ONLY	91	33
LY800-LS2835RGBW-24V-Ra90-11W								White ONLY	248	90
LY800-LS2835RGBW-24V-Ra90-11w								RGBW	151	55
LY800-LS2835RGBW-24V-Ra90-22w	503.5 x 235mm	SMD2835	800LEDs/Sheet	4LED/Seg	24V	22W/Sheet	Ra>90	Red ONLY	110	20
LY800-LS2835RGBW-24V-Ra90-22w								Green ONLY	435	79
LY800-LS2835RGBW-24V-Ra90-22w								Bue ONLY	182	33
LY80O-LS2835RGBW-24V-Ra90-22w								White ONLY	495	90
LY800-LS2835RGBW-24V-Ra90-22w								RGBW	303	55
LY80O-LS2835RGBW-24V-Ra90-33w	503.5 x 235mm	SMD2835	800LEDs/Sheet	4LED/Seg	24V	33W/Sheet	Ra>90	Red ONLY	168	20
LY80O-LS2835RGBW-24V-Ra90-33w								Green ONLY	652	79
LY800-LS2835RGBW-24V-Ra90-33w								Bue ONLY	272	33
LY800-LS2835RGBW-24V-Ra90-33w								White ONLY	743	90
LY800-LS2835RGBW-24V-Ra90-33w								RGBW	454	55

SINGLE WHITE DIMENSIONAL DRAWINGS

(503.5mm x 235mm)

50.37mm

134.32mm

ø7mm

ø3mm

16.79mm

50.37mm

50.34mm 134.24mm 134.24mm 134.24mm 50.34mm

16.78mm

0.6mm 1.3mm

6.1mm 6.75mm
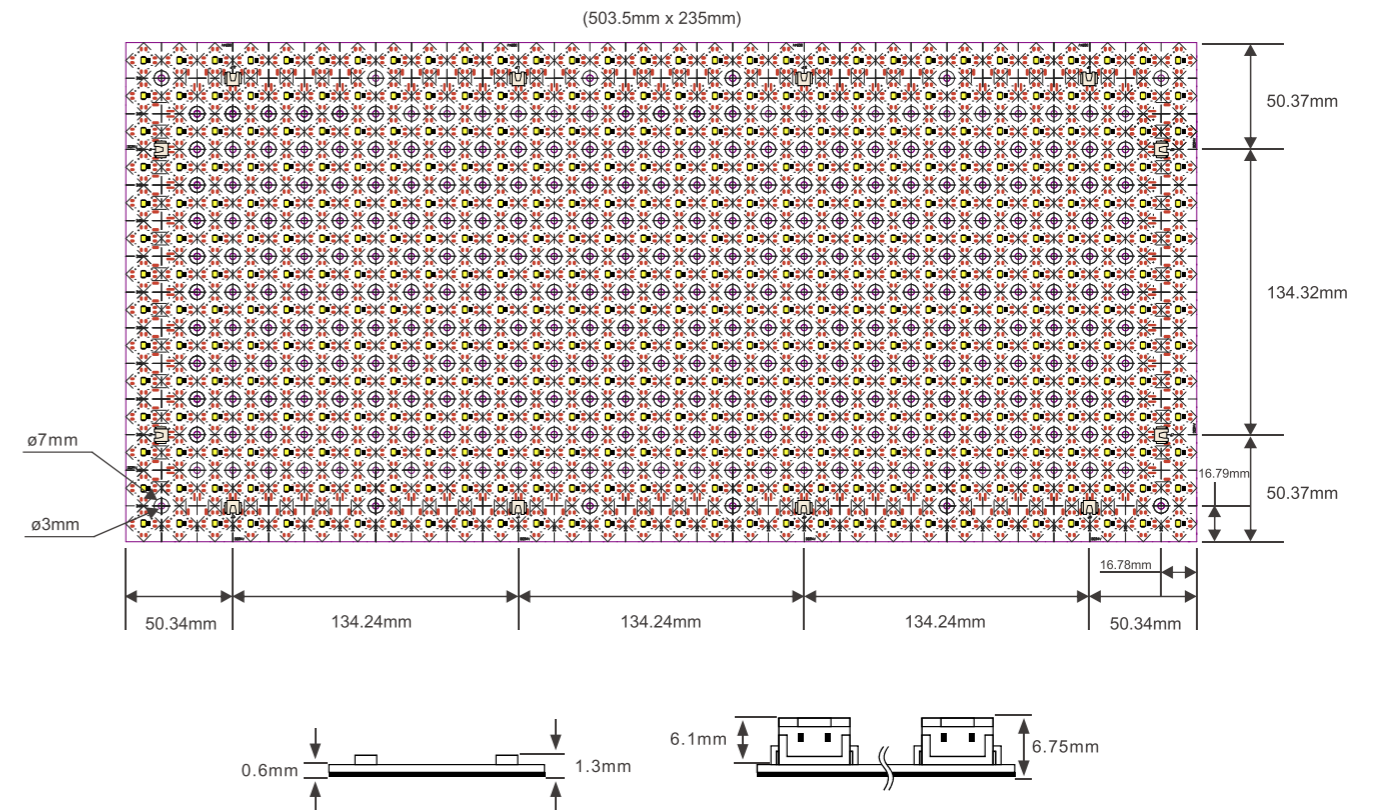
FLEX LED SHEET

TUNABLE WHITE DIMENSIONAL DRAWINGS

(503.5mm x 235mm)

67.16mm

100.74mm

67.16mm

16.79mm

ø7mm

ø3mm

67.12mm　117.46mm　134.24mm　117.46mm　67.12mm

16.78mm

0.6mm　1.3mm

6.1mm　6.7mm

RGBW DIMENSIONAL DRAWINGS

(503.5mm x 235mm)

70.5mm

94mm

70.5mm

23.5mm

ø7mm

ø3mm

75.51mm　100.68mm　151.02mm　100.68mm　75.51mm

25.17mm

0.6mm　1.3mm

6.1mm　6.7mm
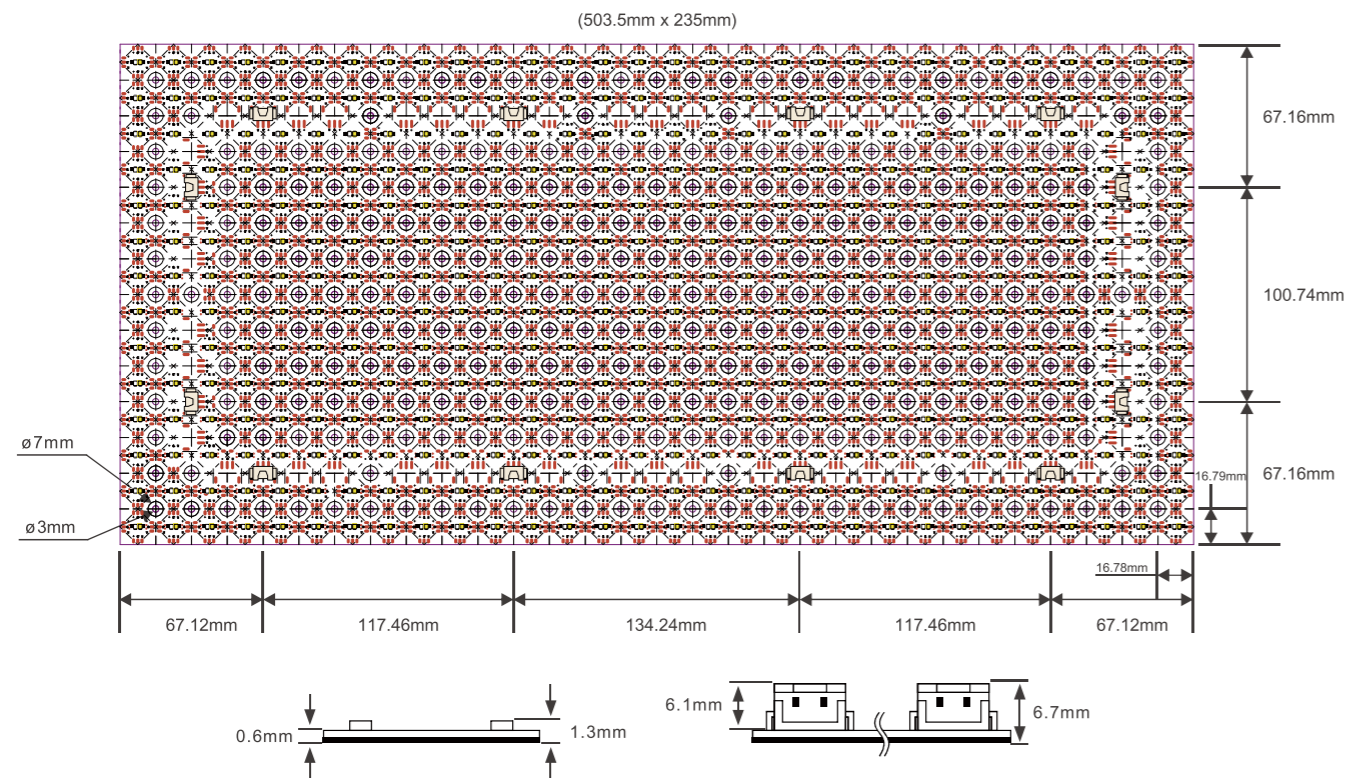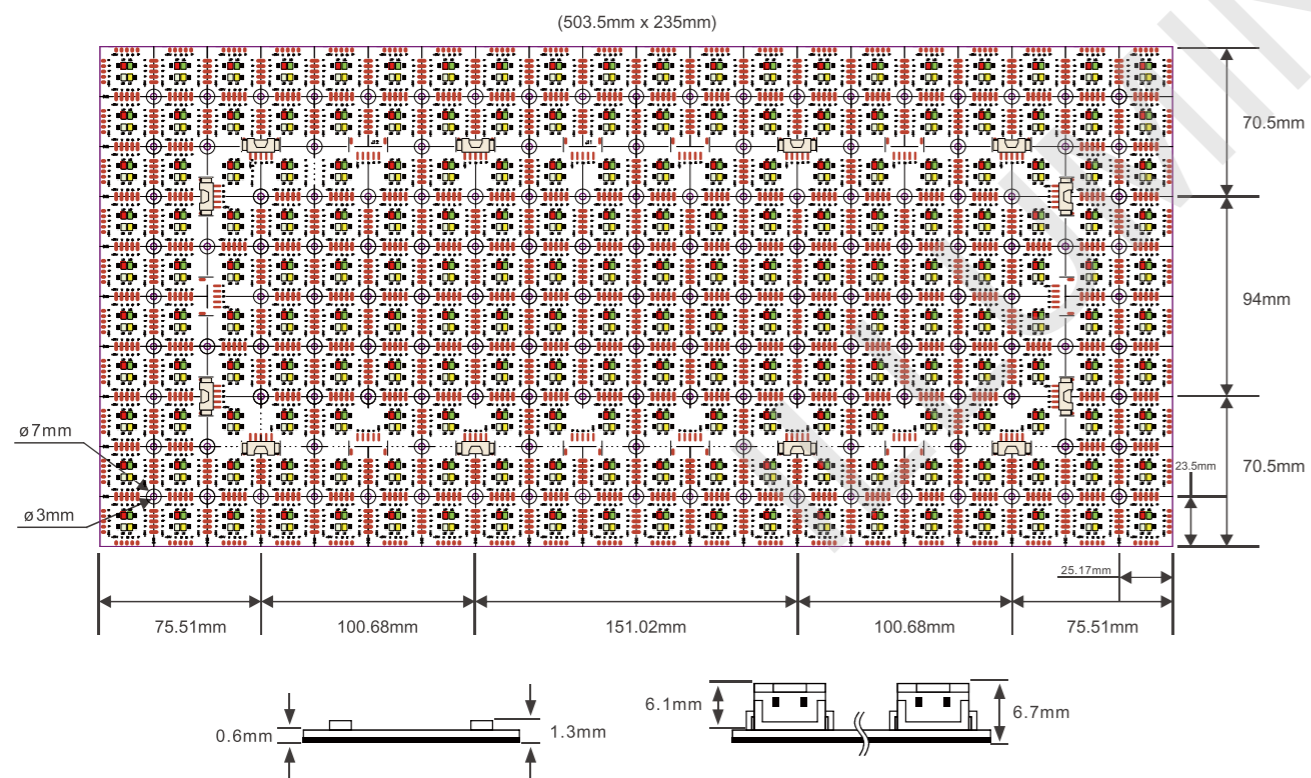
MODULAR LED LINEAR LIGHT

Modular LED linear light is plug and play, widely used in jewelry cabinets, supermarket shelves, commodity display cabinets, indoor furniture, and others. Fast
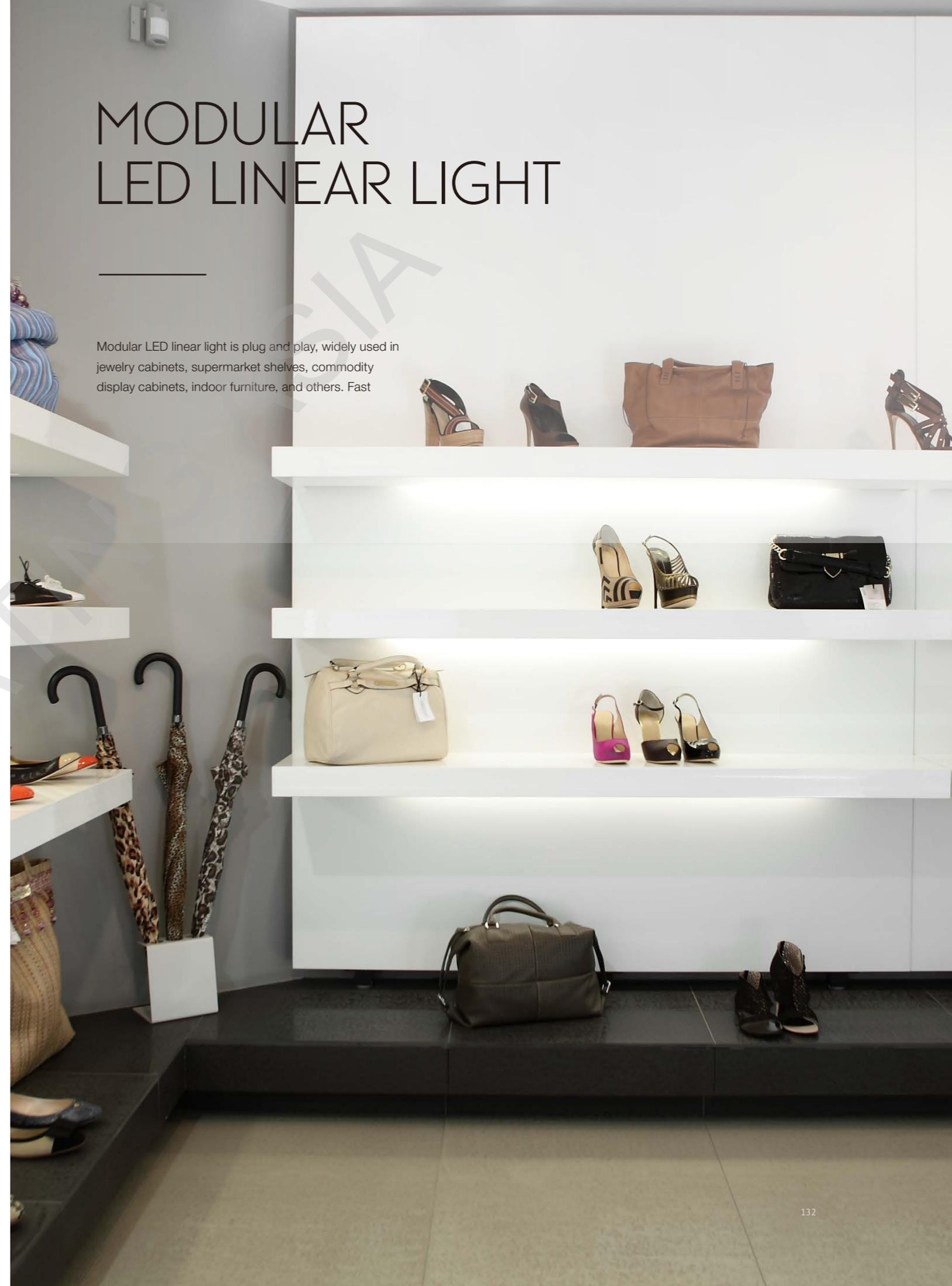
Linkable and Modular LED Linear light

Fast connected LED linear light module for indoor linear auxiliary lighting, widely used in jewelry cabinets ,supermarket shelves ,commodity display cabinets, indoor furniture and other.

1. Modularized ultra-thin and narrow linear light
2. Fast connection without dark area ,no soldering.
3. Super long 6M connection, no brightness attenuation
4. Can provide a variety of lengths, corners and accessories;
5. A variety of installation methods ,including fixed clips, magnetic fixed
   clips and angle fixed clips.
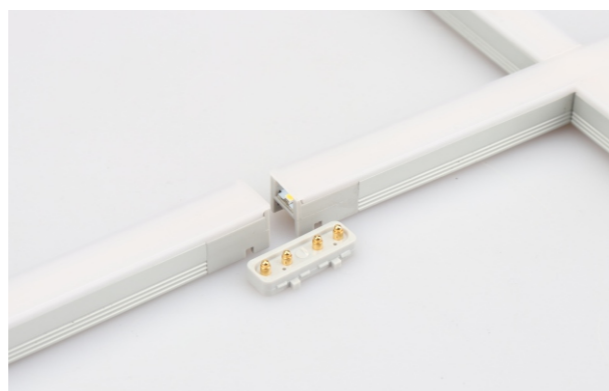
DIMENSIONS
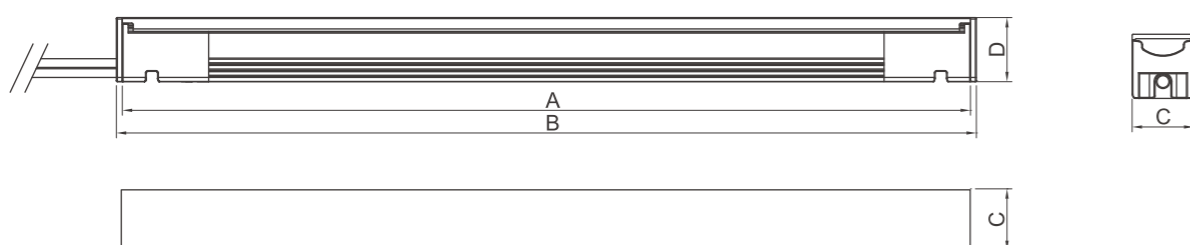
Item No.	Dimension	A	B	C	D
LM1213B-100	L100xW12.5xH13mm (L3.94xW0.49xH0.51in)	100mm (3.94in)	103mm (4.05in)		
LM1213B-200	L200xW12.5xH13mm (L7.87xW0.49xH0.51in)	200mm (7.87in)	203mm (7.99in)	12.5mm (0.49in)	13mm (0.51in)
LM1213B-500	L200xW12.5xH13mm (L19.68xW0.49xH0.51in)	500mm (19.68in)	503mm (19.8in)		

Parameters [Single color]

Item No.	Power	Lumen (@4000k)	CCT	Remark
LM1213B-100	1.5w/pcs	100lm/pcs		
LM1213B-200	3w/pcs	190lm/pcs		
LM1213B-500	6w/pcs	480lm/pcs		Voltage DC24V
LM1213B-L100	3w/pcs	160lm/pcs	2700K	Color rendering index Ra>90
LM1213B-N100	3w/pcs	150lm/pcs	3000K 3500K	The luminous Angle is 120° Working environment -25~45℃
LM1213B-W100	2.4w/pcs	160lm/pcs	4000K 6000K	Life span 40,000 hours 70% Waterproof grade IP20
LM1213B-X180	4.8w/pcs	320lm/pcs		Class III protection
LM1213B-T180	3.6w/pcs	250lm/pcs		
LM1213B-R215	3w/pcs	180lm/pcs		

Parameters [Tunable White color]

Item No.	Power	CCT	Lumen (@2700k)	Lumen (@4000k)	Lumen (@6000k)	Remark
LM1213B-500-TW	6.5w/pcs		385lm/pcs	405lm/pcs	445lm/pcs	
LM1213B-L100-TW	2.5w/pcs		150lm/pcs	160lm/pcs	165lm/pcs	Voltage DC24V
LM1213B-N100-TW	2.3w/pcs	2700K + 6000K	125lm/pcs	130lm/pcs	140lm/pcs	Color rendering index Ra>90 The luminous Angle is 120°
LM1213B-W100-TW	2.5w/pcs		150lm/pcs	155lm/pcs	165lm/pcs	Working environment -25~45℃
LM1213B-X180-TW	4.5w/pcs		265lm/pcs	280lm/pcs	295lm/pcs	Life span 40,000 hours 70% Waterproof grade IP20
LM1213B-T180-TW	3.4w/pcs		200lm/pcs	210lm/pcs	220lm/pcs	Class III protection
LM1213B-R215-TW	2.2w/pcs		130lm/pcs	140lm/pcs	145lm/pcs	

Parameters [UV Modular]

Item No.	LM-1213B-200UVC		Bacteria killing rate irradiate 15min at a distance of 20cm	99%
Voltage	DC24V		Life span	10000H
Power	3W		Working environment	-25~45°C
LED Source	UVA+UVC		Waterproof grad	IP20
UV Wavelength	275nm+405nm		Protection grade	III

Distribution Curve (Data base on LM1213B-500 4000K CRI90)

UNIT:cd
C0/180,110.5
C30/210,109.8
C60/240,108.7
C90/270,107.2

AVERAGE BEAM ANGLE(50%):109.0 DEG

Flux out:297.4 lm

Height	Eavg,Emax		Diameter
1m	49.97,156.31x		270.35cm
2m	12.49,39.061x		540.70cm
3m	5.552,17.361x		811.04cm
4m	3.123,9.7661x		1081.39cm
5m	1.999,6.2501x		1351.74cm
6m	1.388,4.3401x		1622.09cm
7m	1.020,3.1891x		1892.43cm
8m	0.7808,2.4411x		2162.78cm
9m	0.6169,1.9291x		2433.13cm
10m	0.4997,1.5631x		2703.48cm

Angle:107.01deg

Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

Modular Dimension

LM1213B-W100/LM1213B-W100-TW

12.5mm

100mm

13mm

100mm

LM1213B-X180/LM1213B-X180-TW

180mm

12.5mm

180mm

13mm

LM1213B-T180/LM1213B-T180-TW

12.5mm

180mm

96.3mm

13mm

Modular Dimension

LM1213B-L100/LM1213B-L100-TW

13mm

12.5mm

100mm

100mm
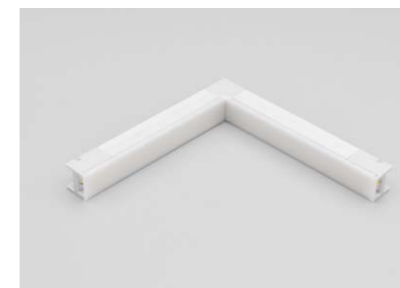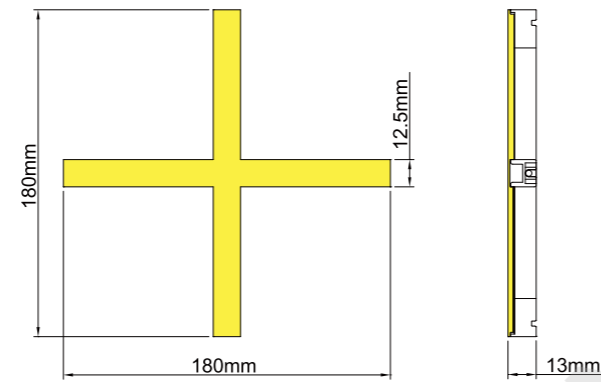
LM1213B-N100/LM1213B-N100-TW

12.5mm

13mm

100mm

100mm
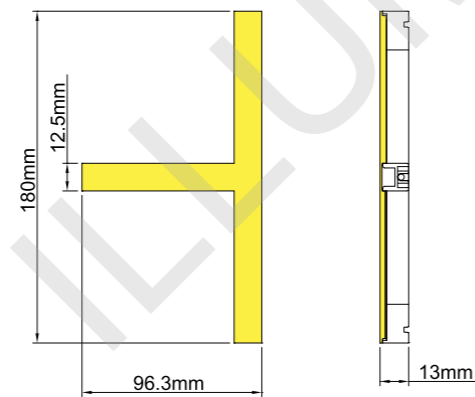
LM1213B-R215/LM1213B-R215-TW

12.5mm

13mm

215mm
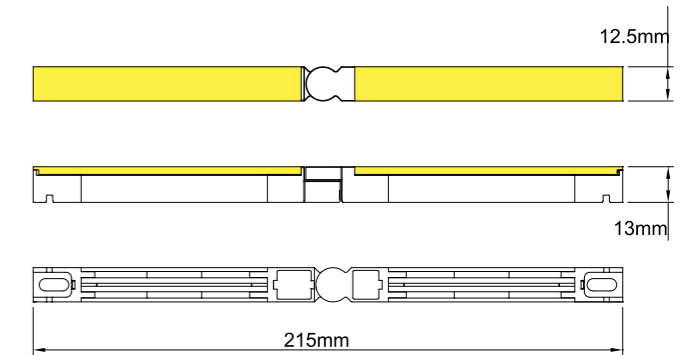
SAUNA ROOM SERIES

Sauna-Room LED Strip, also called high temperature led strip, is a high-temperature resistance, IP65 waterproof LED strip that can work in sauna and steam rooms with ambient temperatures up to 100℃.

3030SMD 80LEDs LED STRIP

- High temperature resistance LUMILEDS LUXEON 3030 LEDs
- Food grade silicone extrusion process, IP65 rating
- −25℃ ≤Ta ≤100℃
- 3 years warranty

2700K 3000K 4000K 6000K | R | G | B | Y | CRI >90

One Bin | Dimmable | 120° Beam angle | Cuttable | 5m/Reel | 50000 hours Lifetime | LM80 Compliant | 5 YEARS

DIMENSIONS & WATERPROOF

5010
50
12.5
R_min=50mm
12mm
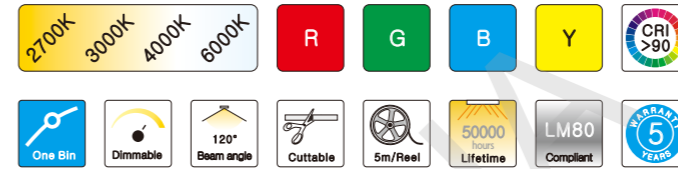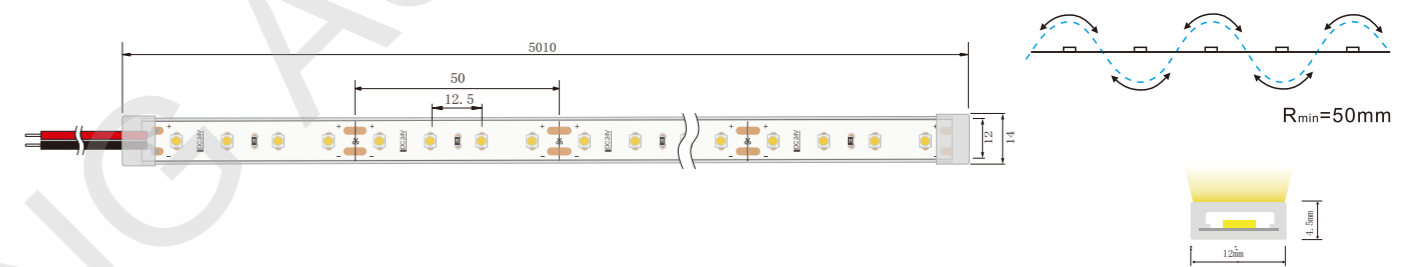
PRODUCT SPECIFICATION

Dimension	5000mmx12mmx4.5mm
Chip density	80LEDs/m,16.7mm pitch
Step LEDs	4LEDs
Step length	50mm
Power(W)	4.8W/9.6W
Voltage(V)	DC24V
Current(A/m)	0.2A/0.4A
Copper foil	2oz
Ambient temperature	−20℃~+50℃

POLAR CURVE (Base on IP20 CRI > 90 6000K)

90°
120.3
240.6
360.7
481.0
601.3
0°

C0/C180: — C90/C270: — C0: —
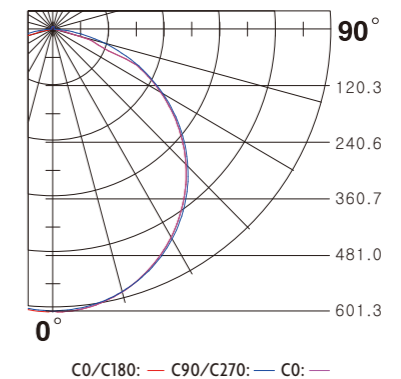
PRODUCT PHOTOMETRICS (The data base on IP20 24V)

CCT (K)	CRI	Lumen(@4.8W/M) (lm/m)	Efficacy(@4.8W/M) (lm/w)	Lumen(@9.6W/M) (lm/m)	Efficacy(@9.6W/M) (lm/w)
2700±100	>80	782.4	163	1564.8	163
3000±100	>80	830.4	173	1660.8	173
3500±200	>80	840	175	1680	175
3500K+200K/300K	>80	854.4	178	1708.8	178
5000K+200K/400K	>80	854.4	178	1708.8	178
6500K+500K/100K	>80	854.4	178	1708.8	178

Order code: LY80-S3030W30-W24-IP25

CCT:W27/W30/W35/W40/W50/W60

DRIVERLESS AC LED STRIP

High voltage led strip light is a light strip driven by high voltage. As it is powered by alternating current, it is also called an AC led light strip.

- No Drivers or Cumbersome Transformers Required
- Quick Install, Plug and Play Out of the Box
- Long Run 50M with Just 1 Plug-In
- Short Cutting Length, 10CM/Cut
- High-Grade PVC Housing for Added Protection
- Injection-Moulded Endcap and Solder-free & Glue-free Endcap
- Build-in Piezoresistor and Safety Fuse inside, Anti-lightning Protection

Driverless AC LED Strip

SPECIFICATION & PARAMETERS

1.1 External Dimension

Anti -Glare Design

6mm

15mm

PVC Dual-Color Extrusion

UL94 V0
Flammability Rating

10cm (Cutting Length)
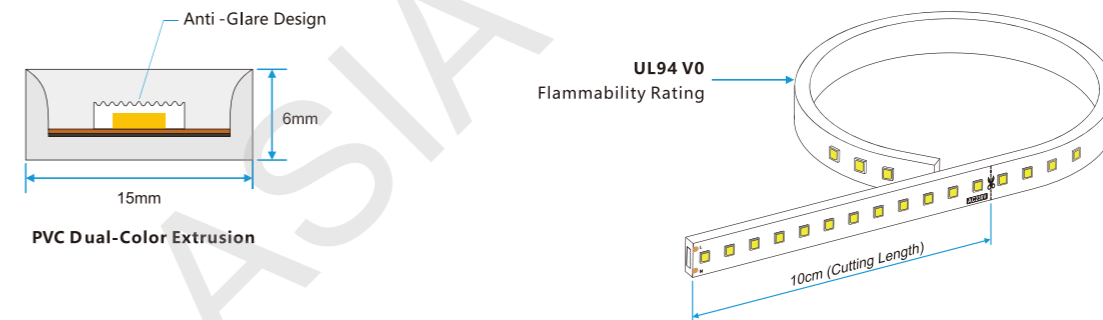
Notice:

Size of each section is 10cm, and cutting at "black line"place.
The dim ension to lerance of height is 0.3mm, and to lerance of widtg is 0.3mm.

CE CERTIFIED	AC 230V INPUT	1 BIN ONLY	Bending Diameter	Flame Resistant	UV Resistant	Solvents Resistant	Saltwater Resistant	Beam Angle 150	3 Years Warranty
CE	230V AC	One Bin	D:50mm	UL UL94 V0	UV UV protected	Solvent resistant	Saltwater resistant	150° Beam angle	WARRANTY 3 YEARS
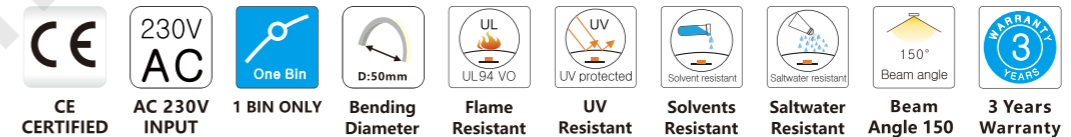
1.2 Technical Parameters

Technical Data		
Product Code	LY120-HS2835W-230V	
Colour	W/WW	
Working Voltage	220-240VAC, 50/60Hz	
LED Qty/m	120LEDs /m	
LED Type	SMD 2835	
CRI	CRI>80	CRI>90
Rated Power/m	12W/m	12W/m
Light Efficiency 10%	110Lm/w	90Lm/w
LED Distance	8.33mm	
Min. Cutting LED	12LEDs	
Min. Cutting Length	10cm	
Weight/m	120g	
Storage Temperature	-25~60 (-13~140F)	
Environmental Working Temperature	-20~45 (-4~113F)	
IP Rating	IP65 (uncut) void if cut	

1.3 Optical Parameters

Optical Data

Product Code	LY120-HS2835W-230V		Lumen/m		
		Rated CRI	CRI80	CRI90	
Color	Wavelength	CCT			
Ultra WW	/	2000K±100K		1028 lm/m	840 lm/m
Super WW	/	2400K±100K		1080 lm/m	900 lm/m
Warm White	/	2725K±100K		1200 lm/m	960 lm/m
Warm White	/	3045K±150K		1260 lm/m	1020 lm/m
Natural White	/	4000K±150K		1320 lm/m	1080 lm/m
Day White	/	5000K±200K		1320 lm/m	1080 lm/m
Cool White	/	6500K±250K		1320 lm/m	1080 lm/m

Luminous Intensity Distribution

AVERAGE BEAM ANGLE(50%):117.T DEG

illumination diagram

Height	Sevg/times	Angle 116.76deg	Diameter
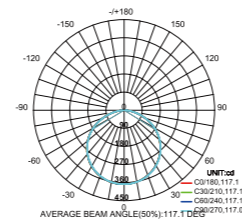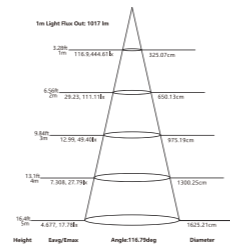
CONNECTOR

2.1 Outdoor Use & IP65 Waterproof Connector

Input :AC 220~240V

IP65 Entry Cap
Injection-Moulded

IP65 End Cap
Injection-Moulded

Cable Length 10cm ~ 20m Max.

10mm

10mm

13mm

Build-in Piezoresistor
Anti-lightning Protection

IP65 Entry Cap
Injection-Moulded

Diode Rectifier

Constant Current Driver Chip

IP65 End Cap
Injection-Moulded

20mm

20mm

Safety Fuse inside
Fuse Rating: 5A 230V

78mm

Light Length Choice (min. 10cm ~ Max. 50m)

22mm

> **Notes:**

- IP65 Outdoor Use: Pls do not cut off the LED Tape light, and DIY cutting is not allow;
- All kinds of customized length of the light are available, from 10cm minimum ~ 50m maximum ;
- Do not submerge LED Tape light in any liquids, or use the light in the vicinity of standing water;
- Outdoor Application Scope: Outer Wall of bulding, Overbridge etc., and Suitable for raining environments;

2.2 Indoor use & DIY IP40 Connector

Power Cord

Connects light to power supply
IP40 DIY connector (indoor use)

Cable Length available in 0.3m min ~ 20m Max.

Screwless Terminal DIY assembly

AC Plug (2 Pin)   *1
Anti-tension Shell   *1
PC Fixing Clip   *1

91mm
21.4mm
10mm
11mm

Build-in Piezoresistor
Anti-lightning Protection

Safety Fuse inside
Fuse Rating: 5A 230V

Anti-tension strength over 10KG
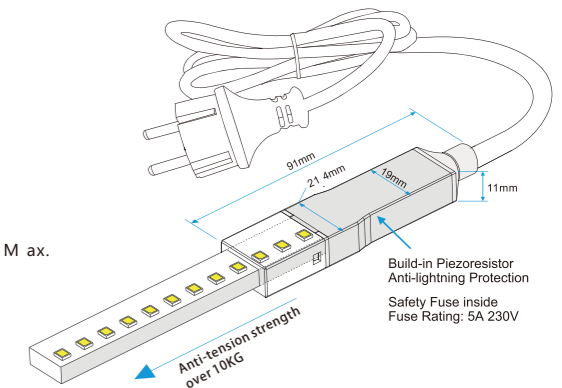
Docking Connector

Combine two pieces of the lights together
IP40 DIY connector (indoor use)

Seamless Docking, Screwless Terminal

Anti-tension Shell   *1
Feed Connector (2 Pin)   *1
PC Fixing Clip   *2

21.4mm
50mm
11mm

Anti-tension strength over 10KG

over 10KG
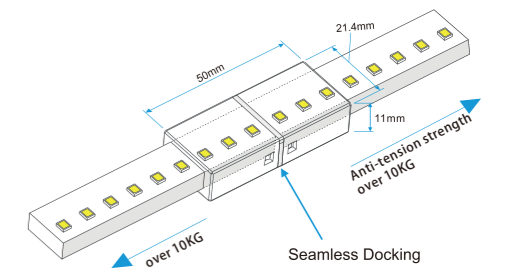
Seamless Docking

L-Type Connector

Combine two pieces of the lights together
IP40 DIY connector (indoor use)

Seamless Docking, Screwless Terminal

L-Type Anti-tension Shell   *1
L-Type Feed Connector (2 Pin)   *1
PC Fixing Clip   *2

46.5 mm
21.4mm
46.5 mm
11mm

Anti-tension strength over 10KG

Anti-tension strength over 10KG
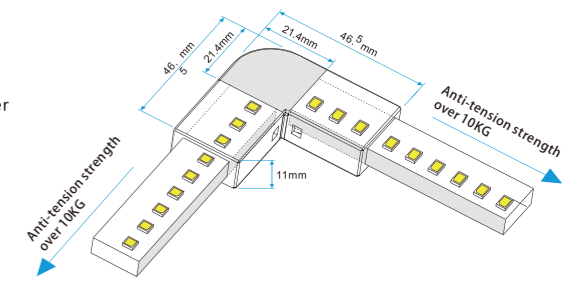
End Cap

Termination Protection of the light,
IP40 DIY connector (indoor use)

Screwless Terminal DIY assembly

Anti-tension Shell   *1
PC Fixing Clip   *1

25.7 mm
21.4 mm
11mm

Anti-tension strength over 10KG
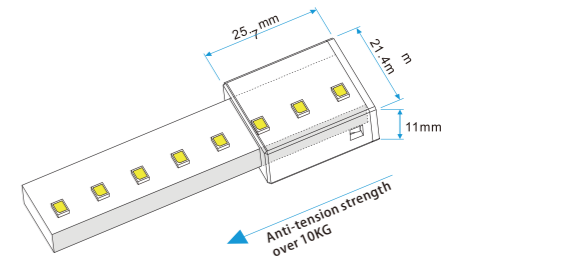
> **Notes:**

- Before making any cuts, installation, maintenance or connection, and be sure the light is power-off!
- IP40 Indoor Use: Pls cut the light and assemble all connectors according to the instruction manual;
- Dont install and light up and use the light under water, Only IP40 application places can be used for this light;
- Indoor Application Scope: Cove of Theater, and cove of hotel lobby etc., and Suitable for dry and anti-dust environments;

INSTALLATION ACCESSORY

3.1 Plastic Profile
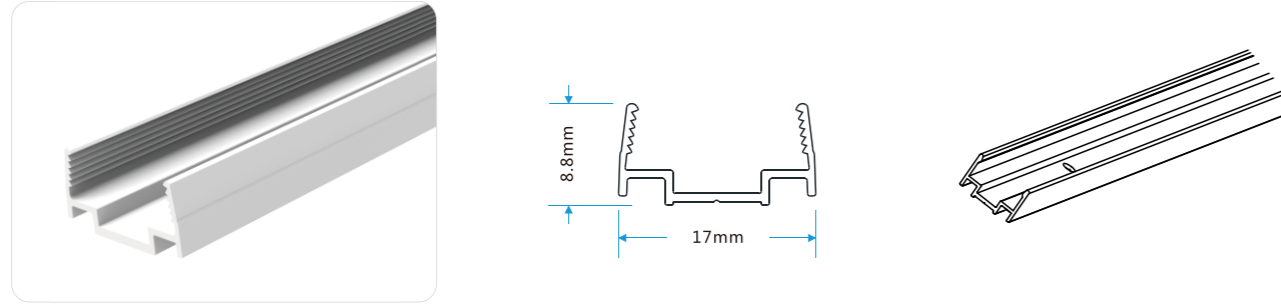
Code	W*H(ft)	Profile Length(mm)	Hole Size (mm)	Hole Number (pcs)
LY120-HS2835W-230V-MP	17mm * 8.8mm	500mm	33.5mm	2
		1000mm	33.5mm	3
		1500mm	33.5mm	5
		2000mm	33.5mm	7

Notes:

1. Plastic Profiles's raw material is PC, white/black/red paint available;

2. Any customized Length available too, such as 0.5m or 1m or 1.5m, and 2m length maximum;

3. Each 0.3m length with 1 hole and 1 screw, and installation referece to the user manual;

3.2 Plastic Mounting Clip
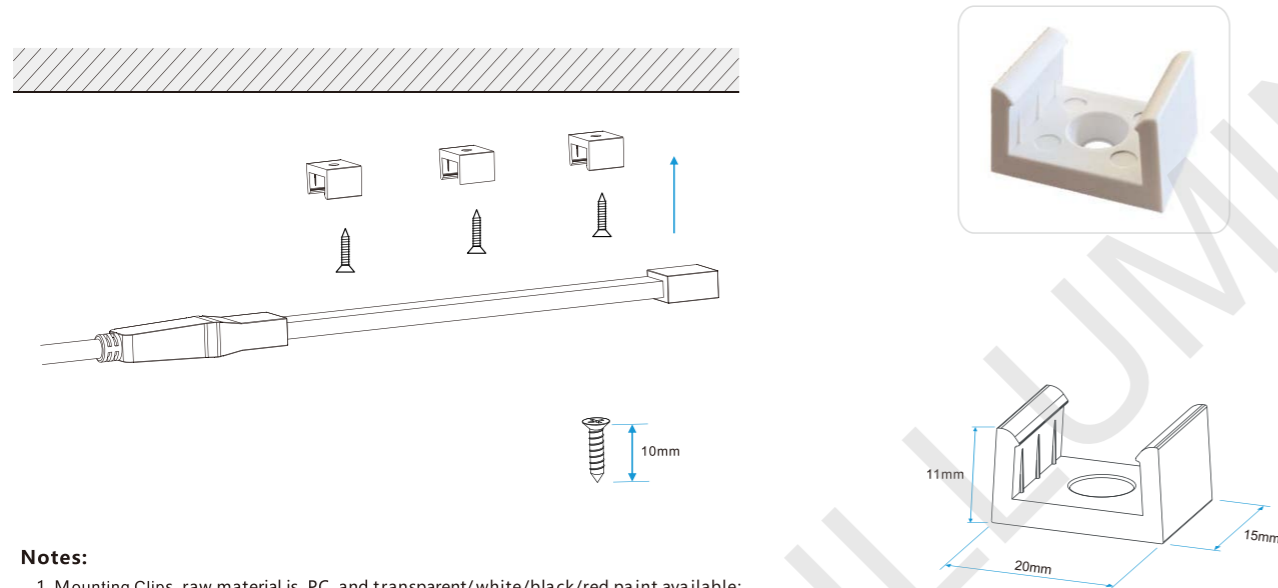
Notes:

1. Mounting Clips raw material is PC, and transparent/white/black/red paint available;

2. Each 0.3m length with 1 Mounting Clip +1 screw, and in stallation refer ece to the user manual;

PACKAGE

4.1 Reel packaging for projects

50m/roll   1roll in one Carton   Master Carton
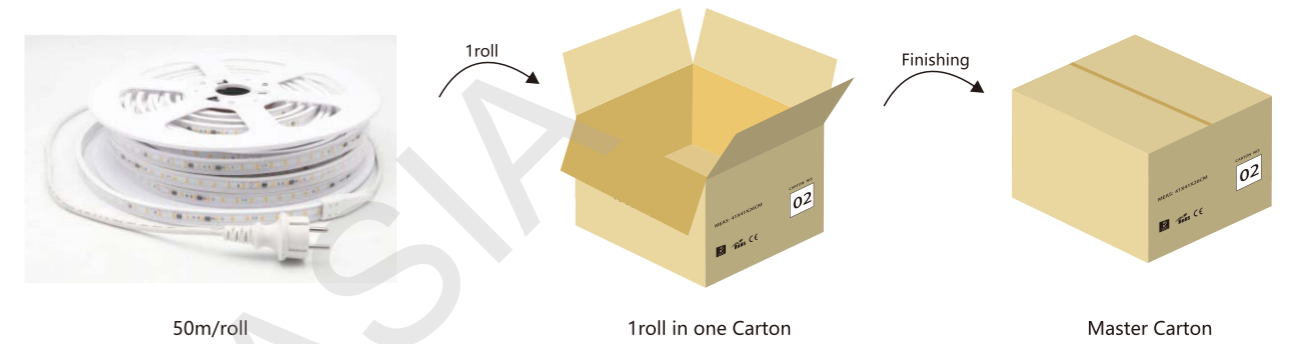
4.2 Reel packaging for retails

Light Length (m/one roll)	Carton Dimension (cm)	Light Number (rolls)	Carton Weight (kg)
20m	25*21*33	1 roll	3.5
30m	31*23*39	1 roll	4.8
40m	31*23*39	1 roll	6.2
50m	34*27*43	1 roll	7.9

COB LED
STRIP SERIES

———

COB means Chips on Board, which means that the chips are directly encapsulated on the flexible PCB board, and the COB LED strip is a strip of chips encapsulated on a flexible board.

- Uniform, no light spot
- More flexibility
- Wide beam angle, 180 degree
- No gold wire, more stable

COB STRIP 480CHIPs 5W 4mm

- Light beam angle up to 180°
- Self-encapsulated design offers optional 2700-6000K
- Chips on broad strip
- Ultra narrow PCB 4mm width
- High quality PCB, high thermal 3M adhesive

2700K 3000K 4000K 6500K | CRI >90

Dimmable | 180° Beam angle | Cuttable | 5m/Reel | 50000 hours Lifetime | 5 YEARS WARRANTY

DIMENSIONS & WATERPROOF

5000

Red/black wire L=150mm, 18AWG   Unit:mm

Rmin=10mm

12V: 25mm Top view: 4mm   Back view:
24V: 50mm Top view: 4mm   Back view:

2mm 4mm IP20
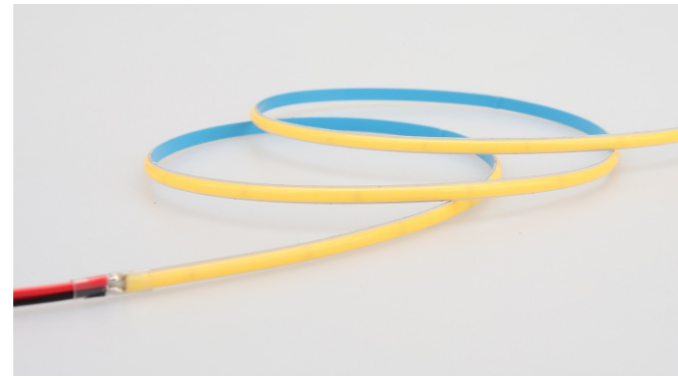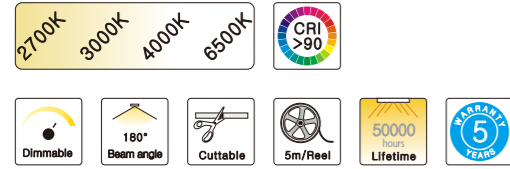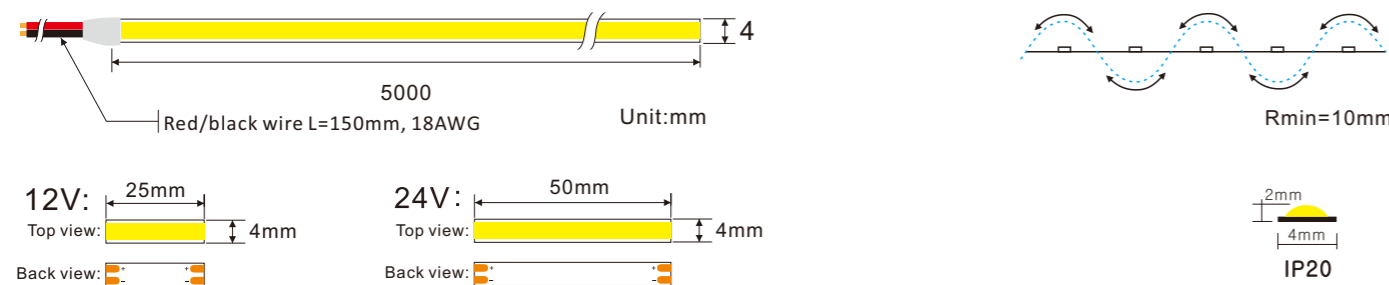
PRODUCT SPECIFICATION

Dimension	5000mmx4mm
Chip QTY.	480Chips/meter
Step Chips	24pcs(24V)/12pcs(12V)
Step length	50mm(24V)/25mm(12V)
Power(W/m)	5W
Voltage(V)	DC24V/DC12V
Current(A/m)	0.21A(24V)/0.42A(12V)
Copper foil	2oz
Ambient temperature	−20°C~+50°C

POLAR CURVE (The data base on IP20 6000K)
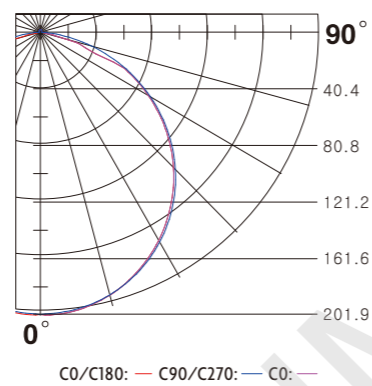
90°
40.4
80.8
121.2
161.6
201.9
0°

C0/C180: — C90/C270: — C0: —

PRODUCT PHOTOMETRICS (The data base on IP20 24V)

CCT (K)	Lumen (lm/m)	Efficacy (lm/w)	CRI	R9	Rf (Fidelity)	Rg (Gamut)
2700±100	480	96	90	>50	90	99
3000±100	519	103.8	90	>50	90	99
4000±200	575	115	90	>50	89	97
6500±300	560	112	90	>50	88	96
Red	50	10	/	/	/	/
Green	799	159.8	/	/	/	/
Blue	120	24	/	/	/	/

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

Order code: LY480-COB W30 - W24 -4MM-5W-IP20
CCT:W27/W30/W40/W60
Voltage:W12/W24

COB STRIP 480CHIPs 5W/10W/15W 10mm

- Light beam angle up to 180°
- Self-encapsulated design offers optional 2700-6000K
- Chips on broad strip
- 10mm PCB width
- High quality PCB, high thermal 3M adhesive

2700K 3000K 4000K 6500K | CRI >90

Dimmable | 180° Beam angle | Cuttable | 5m/Reel | 50000 hours Lifetime | 5 YEARS WARRANTY

DIMENSIONS & WATERPROOF

5000

Red/black wire L=150mm, 18AWG   Unit:mm

Rmin=10mm

DC12V: 10   DC24V: 10

IP20 2mm 10mm | IP52 2.3mm 10mm | IP65H 2.2mm 10.2mm | IP65 4mm 12mm | IP67 4mm 10/12mm
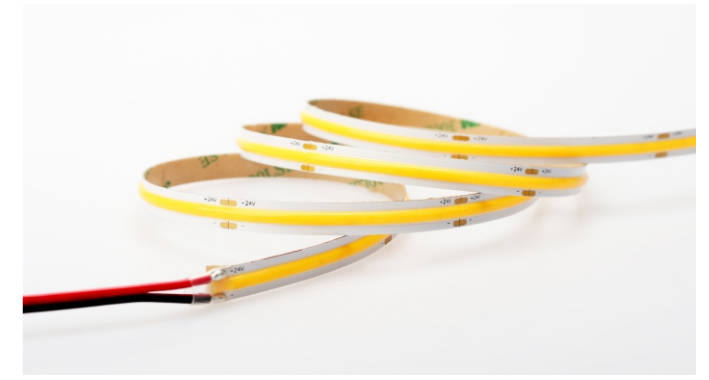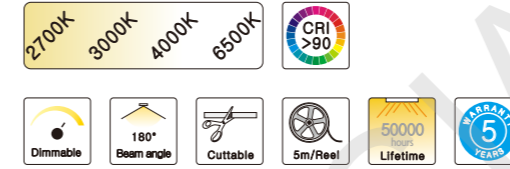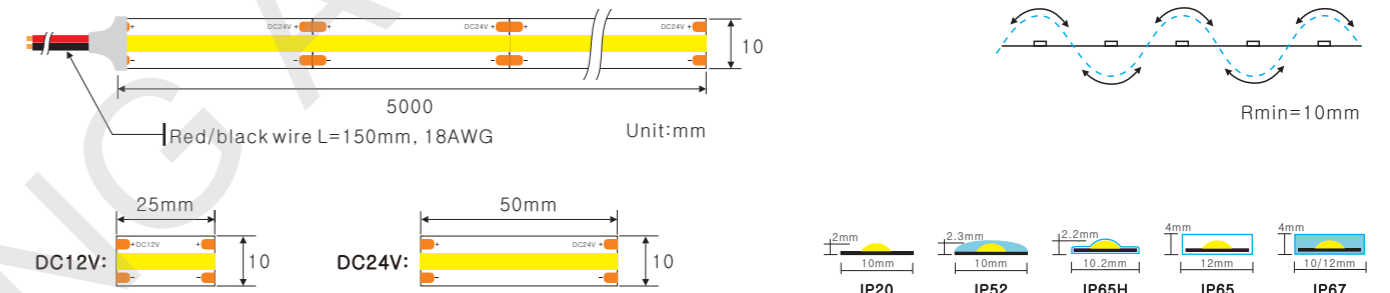
PRODUCT SPECIFICATION

Dimension	5000mmx10mmx2mm
Chip QTY.	480Chips/meter
Step Chips	24pcs(24V)/12pcs(12V)
Step length	50mm(24V)/25mm(12V)
Power(W/m)	5W/10W/15W
Voltage(V)	DC24V/DC12V
Current(A/m)	0.21A,0.42A/0.42A,0.84A/0.625A,1.25A
Copper foil	2oz
Ambient temperature	−20°C~+50°C

POLAR CURVE (Base on IP20 10mm PCB 6500K)

90°
117.7
235.4
353.0
470.4
588.4
0°

C0/C180: — C90/C270: — C0: —
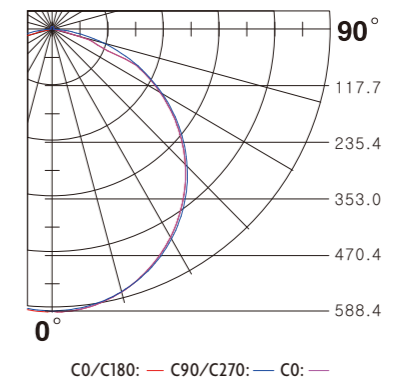
PRODUCT PHOTOMETRICS (The data base on IP20 24V)

CCT(Color) (K)	Low power(5w/m) Lumen (lm/m)	Efficacy (lm/w)	Low power(10w/m) Lumen (lm/m)	Efficacy (lm/w)	Low power(15w/m) Lumen (lm/m)	Efficacy (lm/w)	CRI	R9	Rf (Fidelity)	Rg (Gamut)
2700±100	481.9	96.38	957.3	95.73	1418	94.53	90	>50	90	99
3000±100	519.1	103.82	1029.0	102.90	1527	101.80	90	>50	90	99
4000±200	575.0	115.00	1138.0	113.80	1690	112.67	90	>50	89	97
6500±300	560.7	112.40	1124.0	112.14	1672	111.46	90	>50	88	96
Red	50	10	97	9.7	141	9.4	/	/	/	/
Green	799	159.8	1581	158.1	2323	154.86	/	/	/	/
Blue	120	24	227	22.7	325	21.66	/	/	/	/

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

Order code: LY480-COB W30 - W24 -10- 10W - IP20 → IP20/IP52/IP65H/IP65/IP67
Power:5W/10W/15W
Voltage:W12/W24
CCT:W27/W30/W40/W60

COB STRIP 608CHIPs 20W 10mm TW Version

▶ 24V, flexible LED strip (16chips =26.31mm) with 3M adhesive
▶ tape on the back for easy installed. 2009.8lm/m at 20W/m. 180° beam angle.
▶ Very good color reproduction with CRI>90. "One Bin Only" guarantees constant
▶ color temperature and high light quality at a lifetime of 54,000 hours (L70).
▶ Double-layer FPC(2Oz) for good heat dissipation.

2700K 3000K 4000K 6000K | CRI>90

Dimmable | 180° Beam angle | Cuttable | 5m/Reel | 50000 hours Lifetime | 5 YEARS

DIMENSIONS & WATERPROOF

5000
26.31
10
3Pins wire L=150mm, 20AWG
Unit:mm

Rmin=10mm

DC24V: 26.31mm / 10mm

2mm IP20 | 2.2mm IP65H | 4mm IP65 | 5mm IP65C | 4mm IP67
10mm | 10.2mm | 12mm | 12mm | 12mm
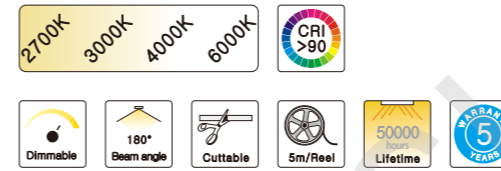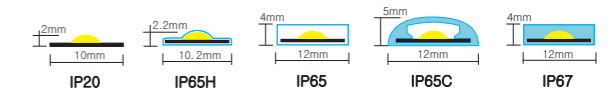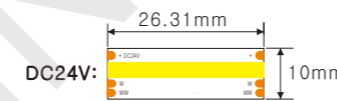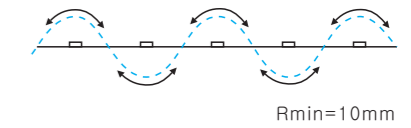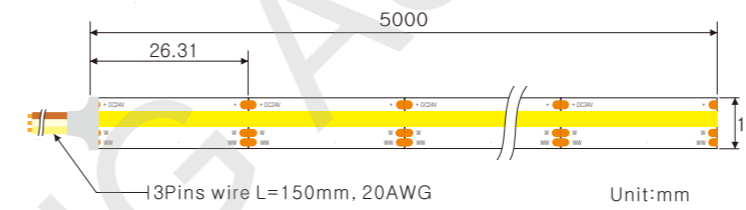
PRODUCT SPECIFICATION

Dimension	5000mmx10mmx2mm	Voltage(V)	DC24V
Chip Type	COB	Power(W/m)	10W/15W
Chip Density	608pcb	Current(A/m)	0.41A/0.62A
Stpe LEDs	16LEDs	Beam Angle	180°
Step length	26.31mm	Operation Temperatyre	-20°C~50°C

PRODUCT PHOTOMETRICS (The data base on IP20 24V)

CCT (K)	Low power(10w/m)		Low power(15w/m)		CRI (>90)	R9	Rf (Fidelity)	Rg (Gamut)
	Lumen (lm/m)	Efficacy (lm/w)	Lumen (lm/m)	Efficacy (lm/w)				
2700 only	519	90.19	750	90.19	90	>50	90	99
6000 only	614	93.55	881	93.55	90	>50	88	96
2700+6000 both	1120	95.51	1605	95.51	90	>50	91	98

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

Order code: LY608-COBTW-W24-10mm-20W-[IP20] → IP20/IP52/IP65H/IP65/IP67

COB STRIP RGB 840chips 10mm 24V 15W

▶ Light beam angle up to 180°
▶ Self-encapsulated design offers 2700-6000K
▶ Chips on broad strip
▶ Ultra narrow PCB 4mm width
▶ High quality PCB, high thermal 3M adhesive

DIMENSIONS & WATERPROOF

50
5000
10
4 pin wire L=150mm, 20AWG
Unit:mm
Rmin=10mm

24V:
50mm
10mm

2mm
12mm
IP20

4mm
14mm
IP65
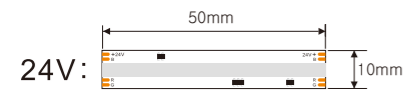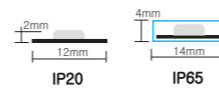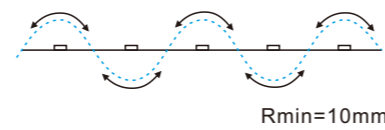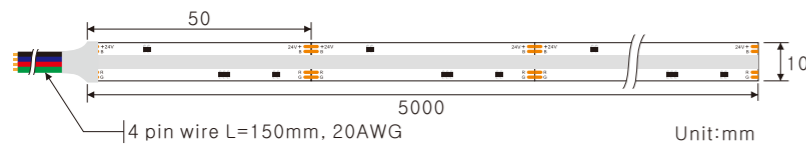
PRODUCT SPECIFICATION

Dimension	5000mmx10mmx2mm
Chip QTY.	840Chips/meter
Step Chips	42pcs
Step length	50mm
Power(W/m)	15W
Voltage(V)	DC24V
Current(A/m)	0.625A
Copper foil	2oz
Ambient temperature	−20°C~+50°C

PRODUCT PHOTOMETRICS (The data base on IP20 24V)

Color (nm)	CCT (K)	Power (w/m)	Lumen (lm/m)	Efficacy (lm/w)
Red	620-630	90.55	193	24
Green	520-530	92.36	370	74
Blue	465-475	94.55	40	18
RGB	NA	93.98	597	39.8

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

Order code: LY840-COBRGB-W24-15W-IP20

COB STRIP RGBW 560CHIPs 10mm 24V 16W

▶ 24V, flexible LED strip (16chips =26.31mm) with 3M adhesive
▶ tape on the back for easy installed. 2009.8lm/m at 20W/m. 180° beam angle.
▶ Very good color reproduction with CRI>90. "One Bin Only" guarantees constant
▶ color temperature and high light quality at a lifetime of 54,000 hours (L70).
▶ Double-layer FPC(2Oz) for good heat dissipation.

DIMENSIONS & WATERPROOF

5000
12
Red/black wire L=150mm, 22AWG
Unit:mm
Rmin=10mm

24V:
50mm
12mm

2mm
12mm
IP20

4mm
14mm
IP65
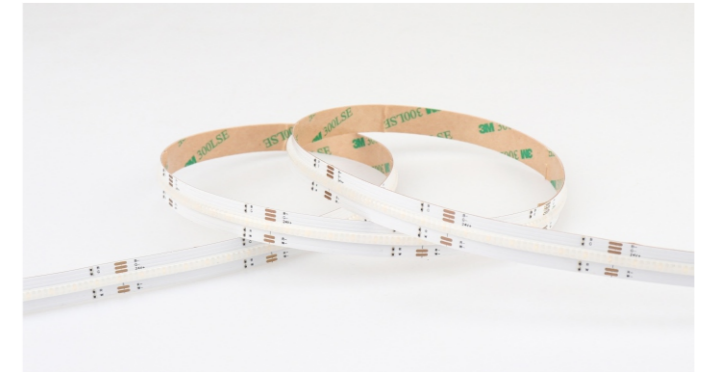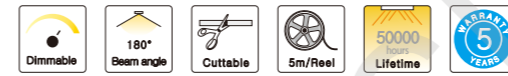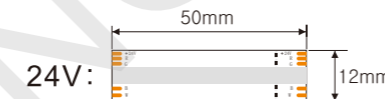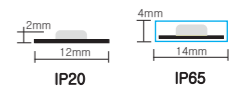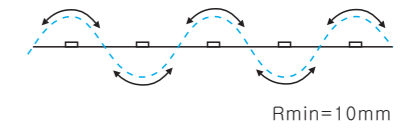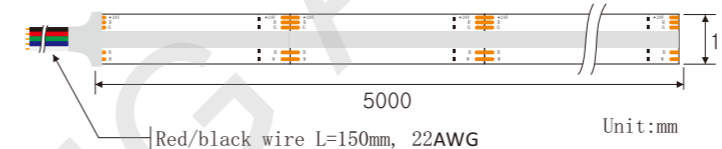
PRODUCT SPECIFICATION

Dimension	5000mmx10mmx2mm
Chip QTY.	560Chips/meter
Step Chips	28pcs(24V)
Step length	50mm(24V)
Power(W/m)	16W
Voltage(V)	DC24V
Current(A/m)	0.67A(24V)
Copper foil	2oz
Ambient temperature	−20°C~+50°C

PRODUCT PHOTOMETRICS (The data base on IP20 24V)

Color (nm)	CCT (K)	Power (w/m)	Lumen (lm/m)	Efficacy (lm/w)
Red	620-630	4	100	25
Green	520-530	4	312	78
Blue	465-475	4	100	25
W	6500K	4	292	73
RGB	NA	16	768	48

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

Order code: LY560-COBRGBW-W24-10mm-16W-IP20 → IP20/IP65

DOTLESS
LED LINE SERIES

—

Dotless LED Line, or D-Line, is a high-density LED strip with
a milky silicone diffuser, is slim, and has no lighting spot.

- Slim, no light spot
- Three-color silicone one-piece extrusion process
- Injection molding plug, IP65 rated, no extra width
- Frosted, dust-proof process, anti-UV
- LM80 LED light source, long lifetime
- 8mm / 10mm / 12mm / 14mm width are available
- Single Color / Tunable White / RGB / RGBW / RGBTW /
  SPI are availble

Dotless LED Line Series

- Slim size, no light spot
- Three-color silicone one-piece extrusion process
- Injection molding plug, IP65 rated
- Frosted, dust-proof process, anti-UV

2400K 2700K 30000K 3500K 40000K 5000K 6000K

2700K 6500K

R | P | G | B | Y | RGB | B/G R/W | L/W RGB/W

One Bin | CRI >90 | Solvent resistant | Saltwater resistant | UV protected | Cuttable | 30000 Lifetime | LM80 Compliant | 3 YEARS WARRANTY
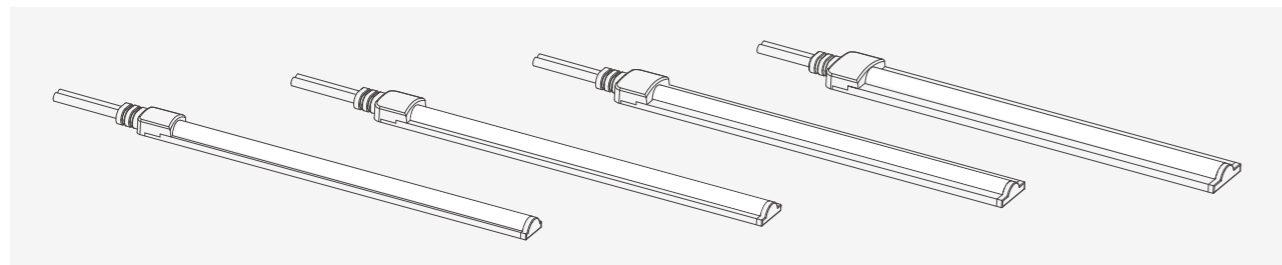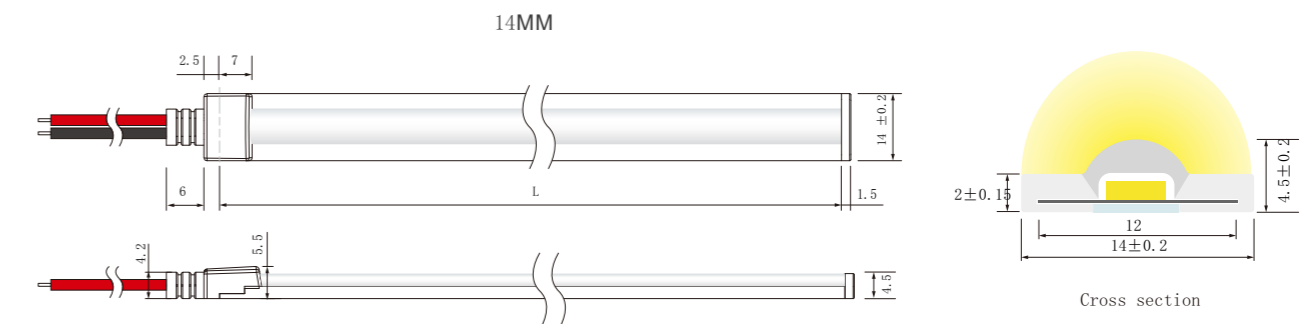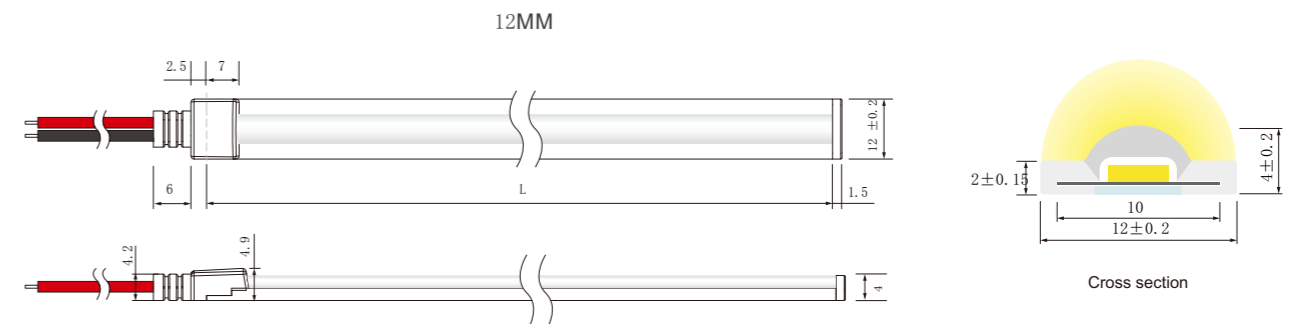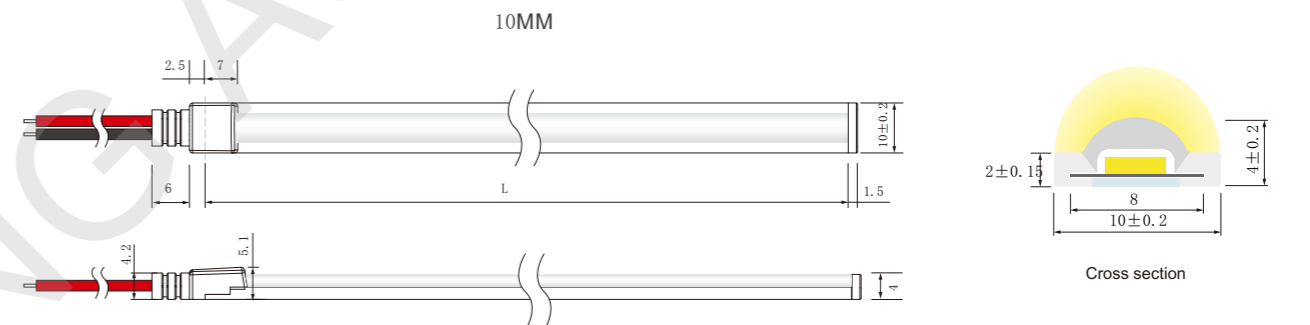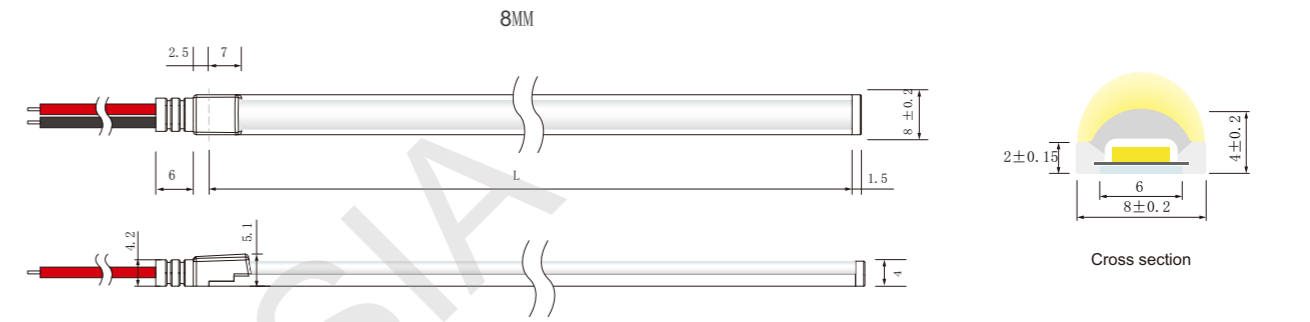
8MM	10MM	12MM	14MM
SW	SW | TW | RGB | SPI	SW | TW | RGB | SPI	SW | TW | RGB RGBW | RGBWW | SPI
Cross section 8x4mm	Cross section 10x4mm	Cross section 12x4mm	Cross section 14x4.5mm
W/m: 5 / 10	W/m: 5 / 10	W/m: 5 / 10 / 15	W/m: 5 / 10 / 15
Max length : 5M	Max length : 5M	Max length : 5M	Max length : 5M
Wire type	Wire type	Wire type	Wire type

Dimensions

8MM

2.5 | 7
6
8±0.2
1.5
4.2 | 5.1
4

Cross section
2±0.15
6
8±0.2
4±0.2

10MM

2.5 | 7
6
10±0.2
1.5
4.2 | 5.1

Cross section
2±0.15
8
10±0.2
4±0.2

12MM

2.5 | 7
6
12±0.2
1.5
4.2 | 4.9
4

Cross section
2±0.15
10
12±0.2
4±0.2

14MM

2.5 | 7
6
14±0.2
1.5
4.2 | 5.5
4.5

Cross section
2±0.15
12
14±0.2
4.5±0.2

8MM Photoelectric parameters

Single Color parameter

CCT (K)	CRI	SDCM	Power	LM/M	LM/W	Cutting length (mm)	Max length (M)	CV/CC
2400	>90	<5	5	535	107.1	50	5	CV
			10	1010	101.0			
2700	>90	<5	5	546	109.2	50	5	CV
			10	1019	101.9			
3000	>90	<5	5	554	110.9	50	5	CV
			10	1046	104.6			
3500	>90	<5	5	599	119.8	50	5	CV
			10	1130	113.0			
4000	>90	<5	5	558	111.7	50	5	CV
			10	1077	107.7			
5000	>90	<5	5	552	110.4	50	5	CV
			10	1028	102.8			
6500	>90	<5	5	560	111.9	50	5	CV
			10	1056	105.6			
R	--	--	5	145	29.0	50	5	CV
			10	293	29.3			
G	--	--	5	381	76.2	50	5	CV
			10	685	68.5			
B	--	--	5	71	14.2	50	5	CV
			10	134	13.4			
Yellow	--	--	5	116	23.2	50	5	CV
			10	223	22.3			
Amber	--	--	5	136	27.2	50	5	CV
			10	274	27.4			
Pink	--	--	5	315	63.0	50	5	CV
			10	602	60.2			

- The above color temperature values are the finished color temperature.
- The above data are typical values. Due to tolerances in the production process, characteristics of electronic components, and other factors, the test parameters will have an error of ±10%.
- The maximum serial connection length is for single-ended power input.
- For RGB/RGBW/RGBW/SPI, the maximum connection length refers to the recommended connection length of single-ended power supply when the LED strip is fully loaded. In practical applications, depending on the effect of the controller driving the LED strip, the serial connection can be extended as appropriate in the case of low power.

10MM Photoelectric parameters

Single Color parameter

CCT(K)	CRI	SDCM	Power	LM/M	LM/W	Cutting length (mm)	Max length (M)	CV/CC
2400	>90	<5	5	409	81.9	25	5	CV
			10	815	81.5			
2700	>90	<5	5	423	84.6	25	5	CV
			10	822	82.2			
3000	>90	<5	5	422	84.4	25	5	CV
			10	829	82.9			
3500	>90	<5	5	476	95.2	25	5	CV
			10	918	91.8			
4000	>90	<5	5	439	87.9	25	5	CV
			10	866	86.6			
5000	>90	<5	5	443	88.5	25	5	CV
			10	869	86.9			
6500	>90	<5	5	453	90.6	25	5	CV
			10	886	88.6			
R	--	--	5	146	29.2	25	5	CV
			10	308	30.8			
G	--	--	5	413	82.6	25	5	CV
			10	707	70.7			
B	--	--	5	70	14.0	25	5	CV
			10	137	13.7			
Yellow	--	--	5	106	21.2	25	5	CV
			10	226	22.6			
Amber	--	--	5	128	25.6	25	5	CV
			10	278	27.8			
Pink	--	--	5	287	57.4	25	5	CV
			10	567	56.7			

Tunable White parameter

CCT(K)	CRI	SDCM	Power	LM/M	LM/W	Cutting length (mm)	Max length (M)	CV/CC
2700	>90	<5	5	415	83.0	83.3	5	CV
6500			5	418	83.6			
4000±300	--		10	826	82.6			

RGB parameter

Power	Color	LM/M	LM/W	Cutting length (mm)	Max length (M)	CV/CC
10	R	60	18.2	50	5	CV
	G	176	53.3			
	B	32	9.7			
	RGB	268	26.8			

10MM Photoelectric parameters

SPI parameter

Input voltage	Power	Color	LM/M	LM/W	Pixel No	Signal Type	IC Model	Cutting length (mm)	Max length (M)
DC5V	8	R	19.8	7.4	100	SPI	UCS1903	10	2
		G	59.3	22.2					
		B	11.5	4.3					
		RGB	87.3	10.9					

- The above color temperature values are the finished color temperature.

- The above data are typical values. Due to tolerances in the production process, characteristics of electronic components, and other factors, the test parameters will have an error of ±10%.

- The maximum serial connection length is for single-ended power input.

- For RGB/RGBW/RGBW/SPI, the maximum connection length refers to the recommended connection length of single-ended power supply when the LED strip is fully loaded. In practical applications, depending on the effect of the controller driving the LED strip, the serial connection can be extended as appropriate in the case of low power.

12MM Photoelectric parameters

Single Color parameter

CCT (K)	CRI	SDCM	Power	LM/M	LM/W	Cutting length (mm)	Max length (M)	CV/CC
2400	>90	<5	5	429	85.9	25	5	CV
			10	826	82.6			
			15	1208	80.6			
2700	>90	<5	5	433	86.6	25	5	CV
			10	833	83.3			
			15	1244	82.9			
3000	>90	<5	5	436	87.3	25	5	CV
			10	840	84.0			
			15	1243	82.8			
3500	>90	<5	5	484	96.7	25	5	CV
			10	930	93.0			
			15	1364	91.0			
4000	>90	<5	5	442	88.4	25	5	CV
			10	851	85.1			
			15	1258	83.9			
5000	>90	<5	5	443	88.7	25	5	CV
			10	854	85.4			
			15	1259	84.0			
6500	>90	<5	5	450	90.0	25	5	CV
			10	867	86.7			
			15	1270	84.6			
R	--	--	5	142	28.4	25	5	CV
			10	281	28.1			
			15	416	27.7			
G	--	--	5	349	69.8	25	5	CV
			10	628	62.8			
			15	823	54.9			
B	--	--	5	62	12.4	25	5	CV
			10	121	12.1			
			15	176	11.7			
Yellow	--	--	5	88	17.6	25	5	CV
			10	200	20.0			
			15	294	19.6			
Amber	--	--	5	108	21.6	25	5	CV
			10	246	24.6			
			15	345	23.0			
Pink	--	--	5	274	54.8	25	5	CV
			10	519	51.9			
			15	755	50.3			

12MM Photoelectric parameters

Tunable White parameter

CCT (K)	CRI	SDCM	Power	LM/M	LM/W	Cutting length (mm)	Max length (M)	Input voltage
2700	>90	<5	5	422	84.4	83.3	5	DC24V
6500			5	434	86.8			
4000±300		--	10	849	84.9			

CCT (K)	CRI	SDCM	Power	LM/M	LM/W	Cutting length (mm)	Max length (M)	Input voltage
2700	>90	<5	7.5	619	82.5	83.3	5	DC24V
6500			7.5	639	85.2			
4000±300		--	15	1241	82.7			

RGB parameter

Power	Color	LM/M	LM/W	Cutting length (mm)	Max length (M)	Input voltage
10	R	54	16.4	50	5	DC24V
	G	175	53.0			
	B	31	9.4			
	RGB	264	26.4			

Power	Color	LM/M	LM/W	Cutting length (mm)	Max length (M)	Input voltage
15	R	76	15.2	50	5	DC24V
	G	233	46.6			
	B	39	7.8			
	RGB	339	22.6			

SPI parameter

Input voltage	Power	Color	LM/M	LM/W	Pixel No	SignalType	IC Model	Cutting length (mm)	Max length (M)
DC12V	13	R	42.6	3.3	100	SPI	UCS1903	10	3
		G	141.6	10.9					
		B	33	2.5					
		RGB	208.5	16.0					

- The above color temperature values are the finished color temperature.
- The above data are typical values. Due to tolerances in the production process, characteristics of electronic components, and other factors, the test parameters will have an error of ±10%.
- The maximum serial connection length is for single-ended power input.
- For RGB/RGBW/RGBW/SPI, the maximum connection length refers to the recommended connection length of single-ended power supply when the LED strip is fully loaded. In practical applications, depending on the effect of the controller driving the LED strip, the serial connection can be extended as appropriate in the case of low power.

14MM Photoelectric parameters

Single Color parameter

CCT (K)	CRI	SDCM	Power	LM/M	LM/W	Cutting length (mm)	Max length (M)	CV/CC
2400	>90	<5	5	449	89.8	25	5	CV
			10	845	84.5			
			15	1234	82.3			
2700	>90	<5	5	445	89.1	25	5	CV
			10	853	85.3			
			15	1272	84.8			
3000	>90	<5	5	444	88.7	25	5	CV
			10	858	85.8			
			15	1271	84.7			
3500	>90	<5	5	489	97.7	25	5	CV
			10	950	95.0			
			15	1399	93.2			
4000	>90	<5	5	449	89.9	25	5	CV
			10	862	86.2			
			15	1273	84.9			
5000	>90	<5	5	453	90.6	25	5	CV
			10	869	86.9			
			15	1283	85.5			
6500	>90	<5	5	458	91.6	25	5	CV
			10	879	87.9			
			15	1298	86.5			
R	--	--	5	142	28.4	25	5	CV
			10	282	28.2			
			15	420	28.0			
G	--	--	5	375	75.0	25	5	CV
			10	674	67.4			
			15	882	58.8			
B	--	--	5	70	14.0	25	5	CV
			10	123	12.3			
			15	179	11.9			
Yellow	--	--	5	116	23.2	25	5	CV
			10	223	22.3			
			15	318	21.2			
Amber	--	--	5	140	28.0	25	5	CV
			10	274	27.4			
			15	386	25.7			
Pink	--	--	5	287	57.4	25	5	CV
			10	534	53.4			
			15	782	52.1			

14MM Photoelectric parameters

Tunable White parameter

CCT (K)	CRI	SDCM	Power	LM/M	LM/W	Cutting length (mm)	Max length (M)	Input voltage
2700	>90	<5	5	437	87.4	83.3	5	DC24V
6500			5	447	89.4			
4000±300		--	10	860	86			

CCT (K)	CRI	SDCM	Power	LM/M	LM/W	Cutting length (mm)	Max length (M)	Input voltage
2700	>90	<5	7.5	641	85.5	83.3	5	DC24V
6500			7.5	658	87.7			
4000±300		--	15	1264	84			

RGB parameter

Power	Color	LM/M	LM/W	Cutting length (mm)	Max length (M)	Input voltage
10	R	49	14.8	50	5	DC24V
	G	169	51.2			
	B	30	9.1			
	RGB	260	26.0			

Power	Color	LM/M	LM/W	Cutting length (mm)	Max length (M)	Input voltage
15	R	69	13.8	50	5	DC24V
	G	226	45.2			
	B	38	7.6			
	RGB	334	22.3			

RGBW parameter

Power	Color/CCT(K)	CRI	SDCM	Power	LM/M	LM/W	Cutting length (mm)	Max length (M)	Input voltage
15	R	--	--	3	52	17.3	83.33	5	DC24V
	G	--	--	3	156	52.0			
	B	--	--	3	26	8.7			
	W : 2700K	>90	5	6	486	81.0			
	RGBW	--	--	15	702	46.8			
15	R	--	--	3	58	19.3	83.33	5	DC24V
	G	--	--	3	173	57.7			
	B	--	--	3	23	7.7			
	W : 3000K	>90	5	6	480	80.0			
	RGBW	--	--	15	698	46.5			
15	R	--	--	3	56	18.7	83.33	5	DC24V
	G	--	--	3	162	54.0			
	B	--	--	3	32	10.7			
	W : 3500K	>90	5	6	514	85.7			
	RGBW	--	--	15	706	47.1			
15	R	--	--	3	55	18.3	83.33	5	DC24V
	G	--	--	3	158	52.7			
	B	--	--	3	33	11.0			
	W : 4000K	>90	5	6	477	79.5			
	RGBW	--	--	15	701	46.7			
15	R	--	--	3	54	18.0	83.33	5	DC24V
	G	--	--	3	165	55.0			
	B	--	--	3	32	10.7			
	W : 5000K	>90	5	6	487	81.2			
	RGBW	--	--	15	721	48.1			
15	R	--	--	3	52	17.3	83.33	5	DC24V
	G	--	--	3	167	55.7			
	B	--	--	3	32	10.7			
	W : 6500K	>90	5	6	486	81.0			
	RGBW	--	--	15	716	47.7			

RGBTW parameter

Power	Color/CCT(K)	CRI	Power	LM/M	LM/W	Cutting length (mm)	Max length (M)	Input voltage
9	R	--	3	58	19.3	71.4	5	DC24V
	G	--	3	171	57			
	B	--	3	33	11			
	RGB	--	9	248	27.6			
10	2700±100K	>90	5	360	72			
	5500±300K	>90	5	357	71.4			
	3800K±200K	>90	10	722	72.2			

14MM Photoelectric parameters

SPI parameter

Input voltage	Power	Color	LM/M	LM/W	Pixel No	Signal Type	IC Model	Cutting length (mm)	Max length (M)
DC12V	13	R	44.4	3.4	100	SPI	UCS1903	10	3
		G	143	11.0					
		B	33.5	2.6					
		RGB	210	16.2					

- The above color temperature values are the finished color temperature.

- The above data are typical values. Due to tolerances in the production process, characteristics of electronic components, and other factors, the test parameters will have an error of ±10%.

- The maximum serial connection length is for single-ended power input.

- For RGB/RGBW/RGBW/SPI, the maximum connection length refers to the recommended connection length of single-ended power supply when the LED strip is fully loaded. In practical applications, depending on the effect of the controller driving the LED strip, the serial connection can be extended as appropriate in the case of low power.

NEON FLEX

Neon Flex contains silicone neon and PU neon, silicone neon is IP65/IP67, used indoor or outdoor. PU neon is ture IP68, used underwater.

Silicone Neon, is made by adopting three-color silicone integrated extrusion shaping process, and it's protection grade reaches up to IP65/IP67, featuring resistances to saline solutions, acid & alkali, corrosive gases, fire and UV, applying to indoor and outdoor molding decoration, building outlines,city night scenes illuminating and so forth for the sake of the effect of decorative lighting.PU Neon, is made by

TPU U shape milky tube and filling with opal PU glue, it's protection grade reaches up to IP68, UV resistant and saltwater resistant, used for underwater decorative lighting.

Neon Flex Solution

Cable outlet

Standard end cap

Seamless end cap

Solderless end cap

Integrally extruded

Max length up to 50meters with one end power
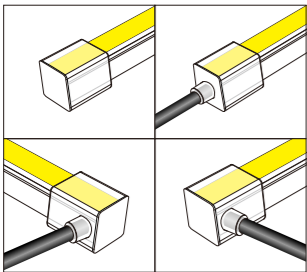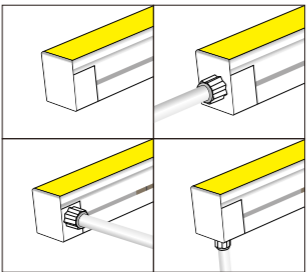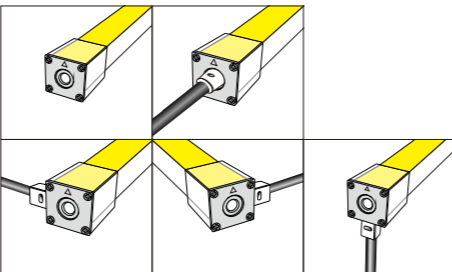
Cutting mark

Waterproof ring

Metal ring
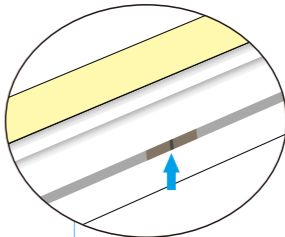
IP65/IP67 cable connector

Male

42mm

16mm

Female

41mm

16mm

Mounting Accessories

Mounting Clip

Mounting Profile

Moldable Groovez

IP Process Technology

IP65
(Solderless end cap)

IP67
(Standard silicone end cap)

IP67
(Seamless end cap)

IP68
(PU NEON)

DC24V 2020.11 CCT:3000K
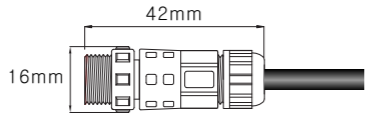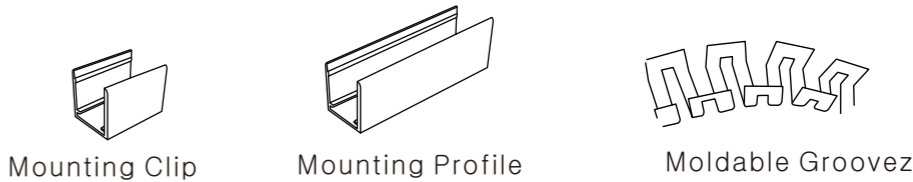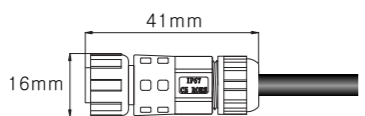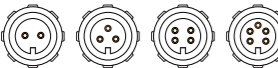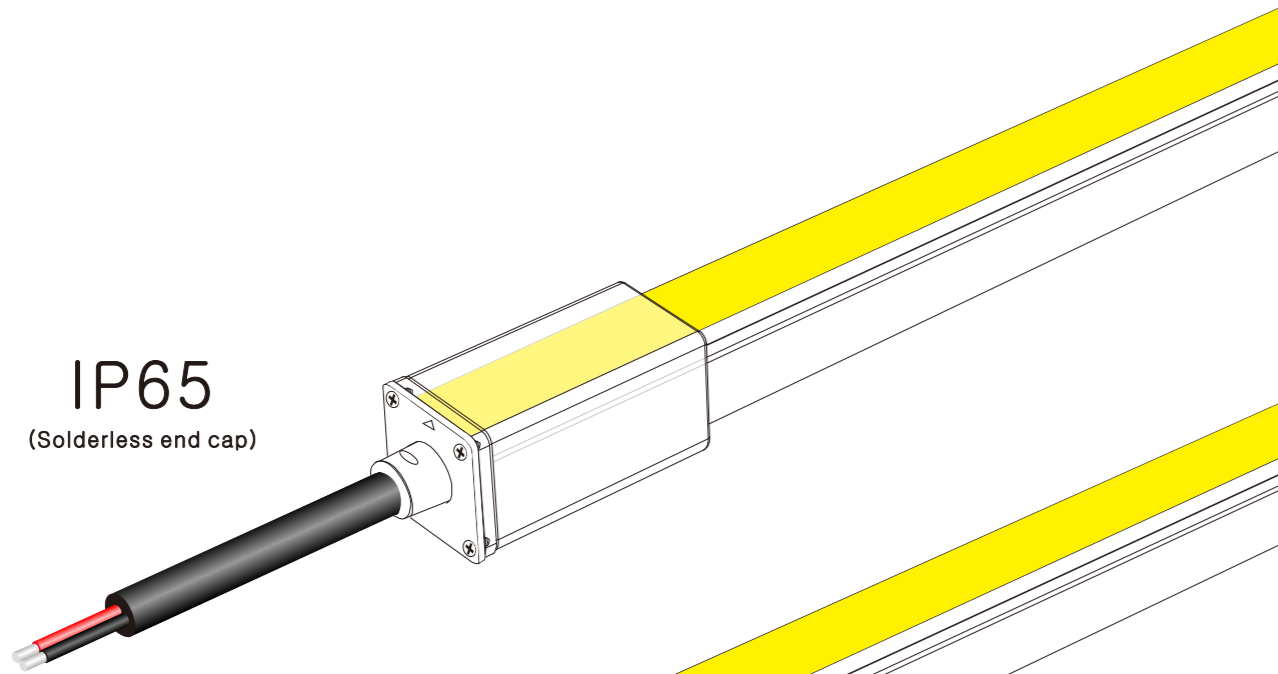
IP65 Solderless end cap deconstruction diagram

① NEON strip
② Clear PC pad
③ Clear PC shell
④ U-shape clear PC clip
⑤ Silicone pad
⑥ Clear PC end cap
⑦ Stainless steel cap
⑧ Stainless steel screw
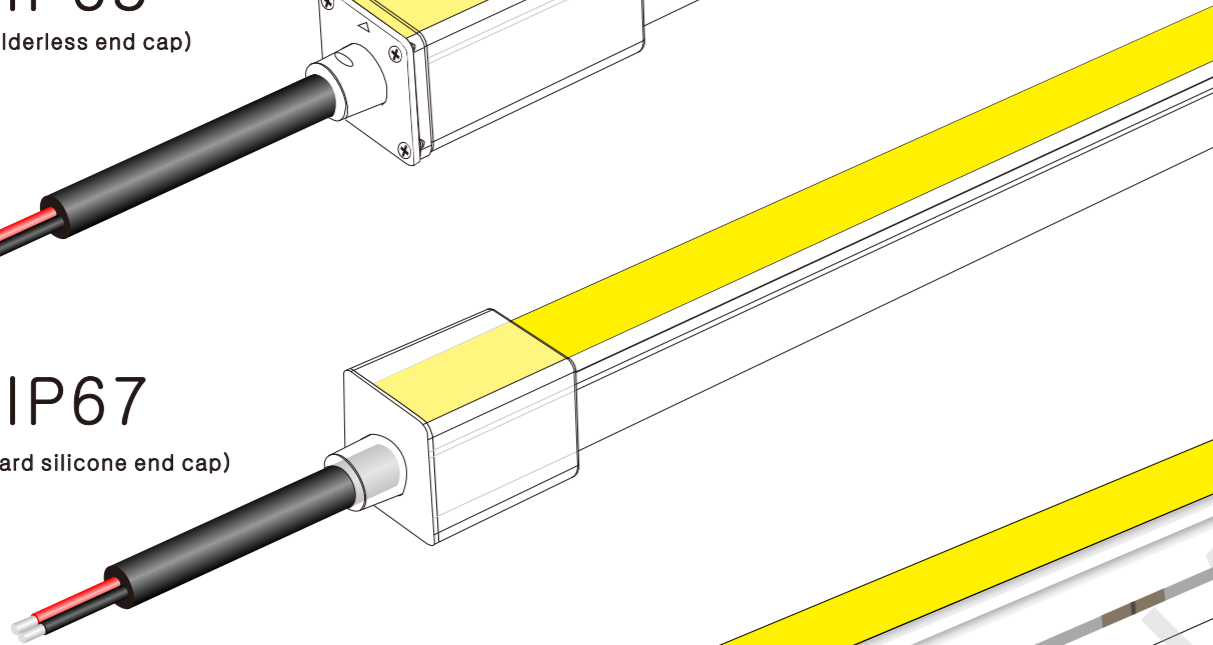
IP67 Seamless end cap without dark area
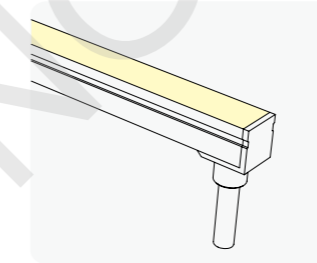
Linear interconnection without dark area
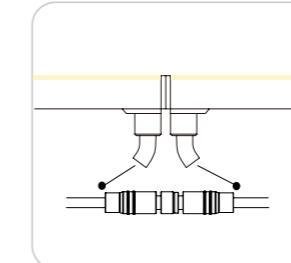
Curve interconnection of lighting outward without dark area
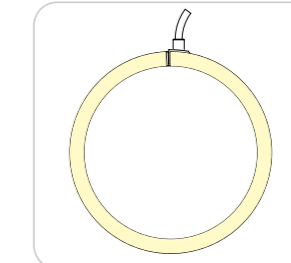
Curve interconnection of lighting outward without dark area
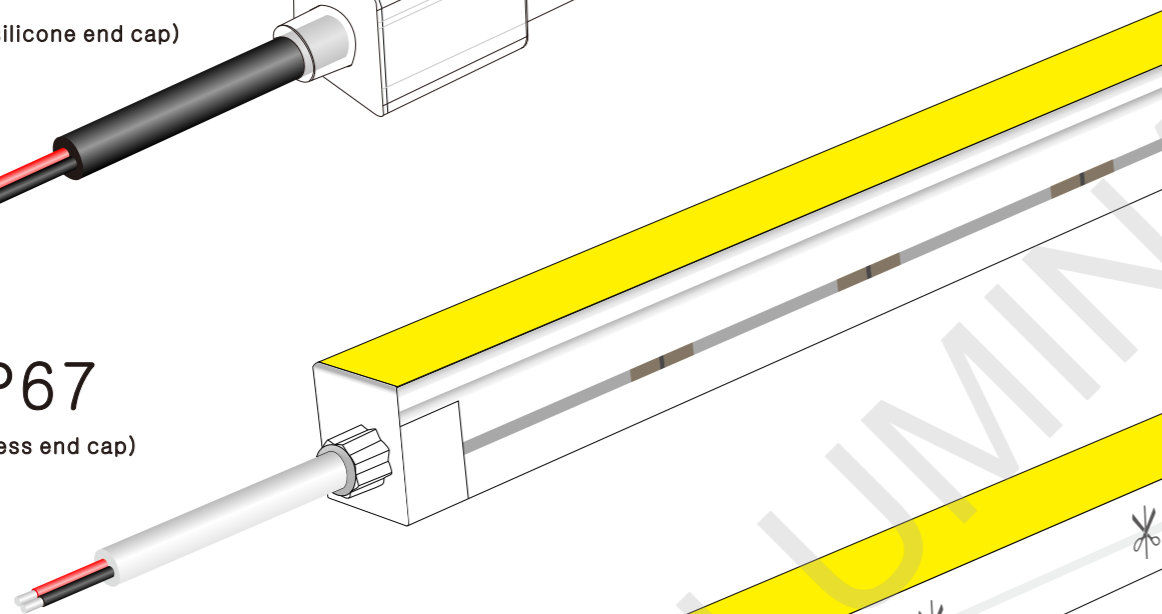
Ip68 end cap, used under the water
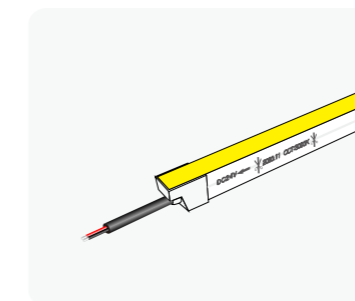
Pool

Under water<3meters deep
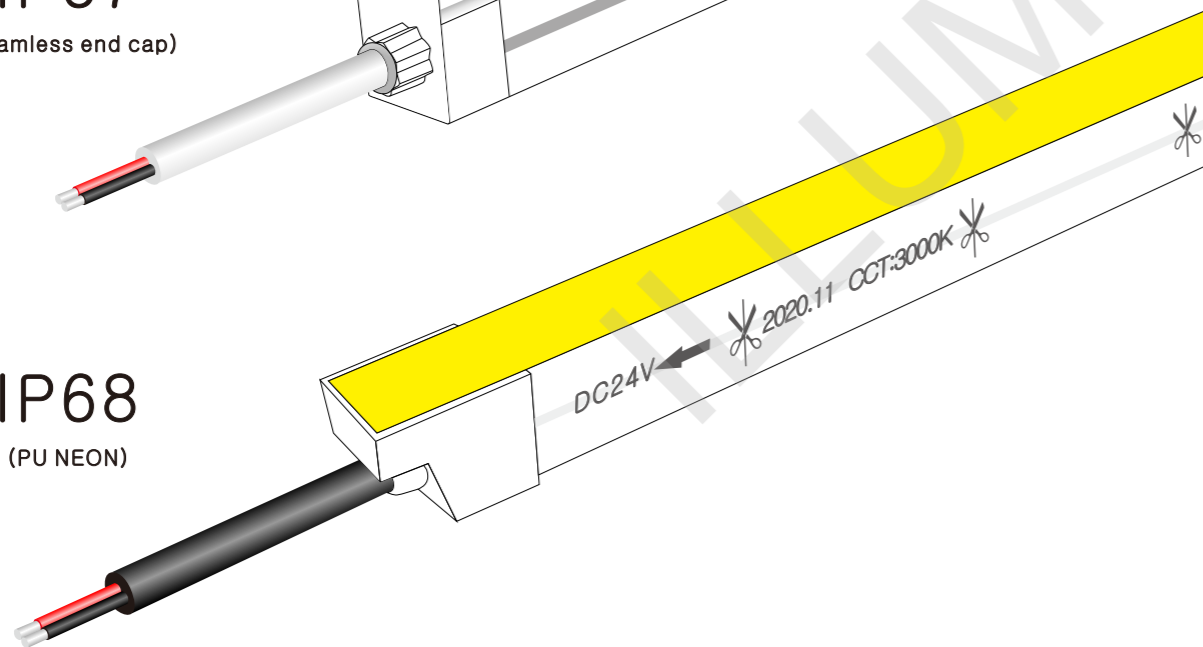
Side Bend

Series	Flat luminous surface series (Side bend)
Model	NS-S0408
Size(mm)	4x8
Voltage	DC24V
Min cut	25
Power (W/m)	6
Lumen (LM/m)	199~223
CCT / Color	
CRI	>90
Min bending radius (mm)	>300
IP	IP67

Series	Flat luminous surface series (Side bend)
Model	NS-S0612
Size(mm)	6x12
Voltage	DC24V
Min cut (mm)	50(Single/Tunable color) / 62.5(RGB)
Power (W/m)	5/10
Lumen (LM/m)	5: 199~223 | 10: 246~360
CCT / Color	
CRI	>90
Min bending radius (mm)	>300
IP	IP67

Series	Curve luminous surface series (Side bend)
Model	NS-S0817
Size(mm)	8x17
Voltage	DC24V
Min cut (mm)	50(Single/Tunable color) / 62.5(RGB)
Power (W/m)	5/10
Lumen (LM/m)	5: 142~174 | 10: 271~340
CCT / Color	
CRI	>90
Min bending radius (mm)	>300
IP	IP67

Series	Curve luminous surface series (Side bend)
Model	NS-S1010
Size(mm)	10x10
Voltage	DC24V
Min cut (mm)	50(Single/Tunable color) / 62.5(RGB)
Power (W/m)	5/10
Lumen (LM/m)	5: 279~356 | 10: 533~690
CCT / Color	
CRI	>90
Min bending radius (mm)	>300
IP	IP67

Series	Curve luminous surface series (Side bend)
Model	NS-S1615
Size(mm)	16x15
Voltage	DC24V
Min cut (mm)	50(Single/Tunable color) / 62.5(RGB)
Power (W/m)	5/10/15
Lumen (LM/m)	5: 160~197 | 10: 310~387 | 15: 433~542
CCT / Color	
CRI	>90
Min bending radius (mm)	>300
IP	IP67

Series	Flat luminous surface series (Side bend)
Model	NS-S2020
Size(mm)	10x23
Voltage	DC24V
Min cut (mm)	50(Single/Tunable color) / 62.5(RGB)
Power (W/m)	5/10/15
Lumen (LM/m)	5: 198~240 | 10: 382~464 | 15: 546~671
CCT / Color	
CRI	>90
Min bending radius (mm)	>300
IP	IP67

Series	Flat luminous surface series (Side bend)
Model	NS-S1018
Size(mm)	10x18
Voltage	DC24V
Min cut (mm)	50(Single/Tunable color) / 62.5(RGB)
Power (W/m)	5/10/15
Lumen (LM/m)	5: 141.4~180.3 | 10: 273.3~356.0 | 15: 371.5~484.1
CCT / Color	
CRI	>90
Min bending radius (mm)	>300
IP	IP67

Series	Curve luminous surface series (Side bend)
Model	NS-S1023
Size(mm)	10x23
Voltage	DC24V
Min cut (mm)	50(Single/Tunable color) / 62.5(RGB)
Power (W/m)	5/10/15
Lumen (LM/m)	5: 160~197 | 10: 310~387 | 15: 433~542
CCT / Color	
CRI	>90
Min bending radius (mm)	>300
IP	IP67

Series	Curve luminous surface series (Side bend)
Model	NS-S1225
Size(mm)	12x25
Voltage	DC24V
Min cut (mm)	50(Single/Tunable color) / 62.5(RGB/RGBW)
Power (W/m)	5/10/15
Lumen (LM/m)	5: 124~160 | 10: 237~318 | 15: 332~441
CCT / Color	
CRI	>90
Min bending radius (mm)	>300
IP	IP67

Series	Flat luminous surface series (Side bend)
Model	NS-S1220
Size(mm)	12x20
Voltage	DC24V
Min cut (mm)	50(Single/Tunable color) / 62.5(RGB/RGBW) / 166.7(DMX512)
Power (W/m)	5/10/15
Lumen (LM/m)	5: 131.7~176.9 | 10: 258.7~345.1 | 15: 360.9~475.4
CCT / Color	
CRI	>90
Min bending radius (mm)	>300
IP	IP67
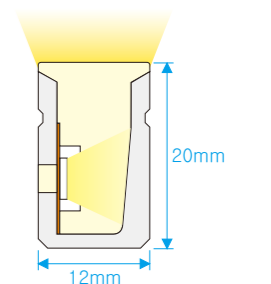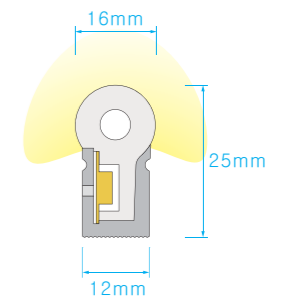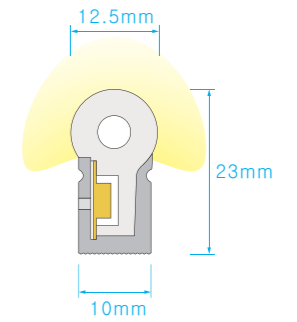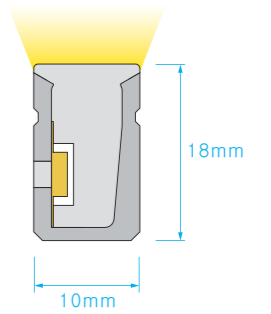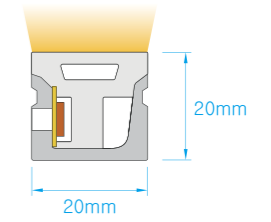
Top Bend

Series	Flat luminous surface series (Top Bend)
Model	NS-T0606
Size(mm)	6x6
Voltage	DC24V
Min cut (mm)	25
Power (W/m)	6
Lumen (LM/m)	235~379
CCT / Color	
CRI	>90
Min bending radius (mm)	>300
IP	IP67
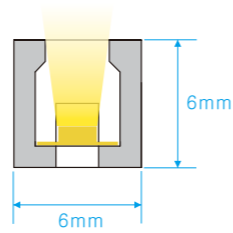
Series	Flat luminous surface series (Top Bend)
Model	NS-T1010
Size(mm)	10x10
Voltage	DC24V
Min cut (mm)	35.7
Power (W/m)	5/10
Lumen (LM/m)	**5:** 332.5~429.6 | **10:** 644.1~828.8
CCT / Color	
CRI	>90
Min bending radius (mm)	>300
IP	IP67
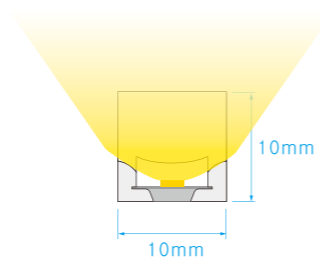
Series	Flat luminous surface series (Top Bend)
Model	NS-T1212
Size(mm)	12x12
Voltage	DC24V
Min cut (mm)	50(Single/Tunable color) / 62.5(RGB)
Power (W/m)	5/10
Lumen (LM/m)	**5:** 289.6~354.1 | **10:** 559.8~681.9
CCT / Color	
CRI	>90
Min bending radius (mm)	>300
IP	IP67
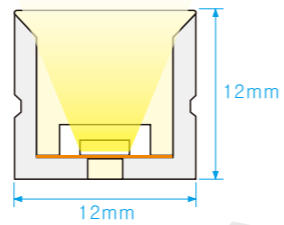
Series	Flat luminous surface series (Top Bend)
Model	NS-T1615
Size(mm)	16x15
Voltage	DC24V
Min cut (mm)	50(Single/Tunable color) / 62.5(RGB/RGBW) / 166.7(DMX512)
Power (W/m)	5/10/15
Lumen (LM/m)	**5:** 240.3~297.8 | **10:** 459.9~583.9 | **15:** 627.5~815.8
CCT / Color	
CRI	>90
Min bending radius (mm)	>300
IP	IP67
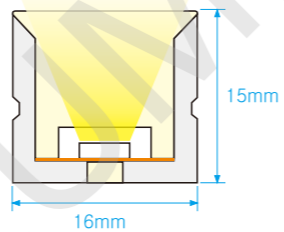
Series	Flat luminous surface series (Top Bend)
Model	NS-T2016
Size(mm)	20x16
Voltage	DC24V
Min cut (mm)	50(Single/Tunable color) / 62.5(RGB/RGBW)
Power (W/m)	12/16/20
Lumen (LM/m)	**12:** 608~783 | **16:** 792~1009 | **20:** 942~1220
CCT / Color	
CRI	>90
Min bending radius (mm)	>200
IP	IP67

6mm

10mm

12mm

15mm / 16mm

16mm / 20mm
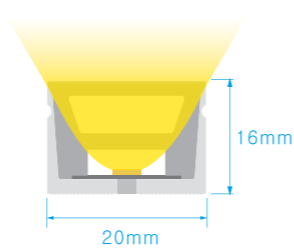
Series	Flat luminous surface series (Top Bend)
Model	NS-T3020
Size(mm)	30x20
Voltage	DC24V
Min cut (mm)	50(Single color) / 41.66(Tunable/RGB/RGBW)
Power (W/m)	16/20/24
Lumen (LM/m)	**16:** 836.9~1067 | **18:** 1017~1298 | **24:** 1196~1534
CCT / Color	
CRI	>90
Min bending radius (mm)	>300
IP	IP67
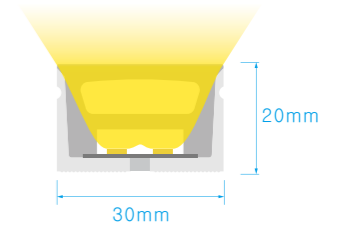
Series	Flat luminous surface series (360° SERIES)
Model	NS-D16
Size(mm)	16
Voltage	DC24V
Min cut (mm)	50
Power (W/m)	5/10
Lumen (LM/m)	284~378
CCT / Color	
CRI	>90
Min bending radius (mm)	>300
IP	IP67

30mm / 20mm

16mm / 15.5mm
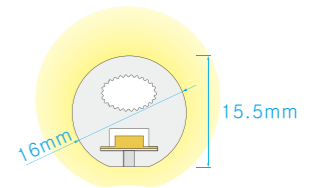
360° SERIES

Series	Flat luminous surface series (360° SERIES)
Model	NS-D25
Size(mm)	25
Voltage	DC24V
Min cut (mm)	50
Power (W/m)	5/10
Lumen (LM/m)	272~302
CCT / Color	
CRI	>90
Min bending radius (mm)	>300
IP	IP67

φ25mm
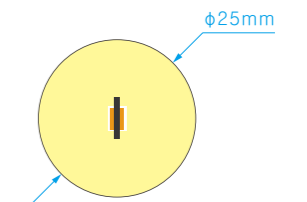
DMX512 & SPI SERIES

Series	Flat luminous surface series (DMX512 & SPI SERIES)
Model	NS-S0612
Size(mm)	6X12
Voltage	DC24V
Min cut (mm)	50
Power (W/m)	12.5
Lumen (LM/m)	42~162
CCT / Color	RGB
CRI	>90
Min bending radius (mm)	>300
IP	IP67
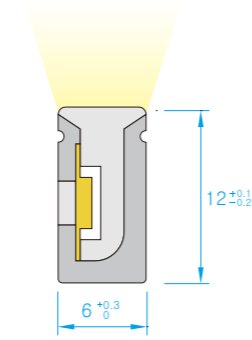
Series	Flat luminous surface series (DMX512 & SPI SERIES)
Model	NS-S0817
Size(mm)	8X17
Voltage	DC24V
Min cut (mm)	50
Power (W/m)	12.5
Lumen (LM/m)	36~152
CCT / Color	RGB
CRI	>90
Min bending radius (mm)	>300
IP	IP67

Series	Flat luminous surface series (DMX512 & SPI SERIES)
Model	NS-S1220
Size(mm)	12X20
Voltage	DC24V
Min cut (mm)	50
Power (W/m)	12
Lumen (LM/m)	28~159
CCT / Color	RGB
CRI	>90
Min bending radius (mm)	>300
IP	IP67

Series	Flat luminous surface series (DMX512 & SPI SERIES)
Model	NS-S1225
Size(mm)	12X25
Voltage	DC24V
Min cut (mm)	50
Power (W/m)	12
Lumen (LM/m)	25~145
CCT / Color	RGB
CRI	>90
Min bending radius (mm)	>300
IP	IP67
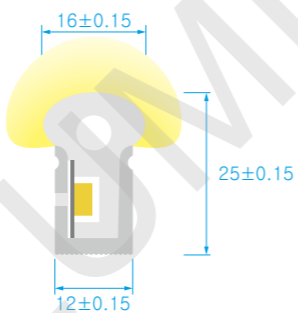
Series	Flat luminous surface series (DMX512 & SPI SERIES)
Model	NS-T1010
Size(mm)	10X10
Voltage	DC24V
Min cut (mm)	50
Power (W/m)	12.5
Lumen (LM/m)	69~304
CCT / Color	RGB
CRI	>90
Min bending radius (mm)	>300
IP	IP67

Series	Flat luminous surface series (DMX512 & SPI SERIES)
Model	NS-T1212
Size(mm)	12X12
Voltage	DC24V
Min cut (mm)	50
Power (W/m)	12.5
Lumen (LM/m)	60~266
CCT / Color	RGB
CRI	>90
Min bending radius (mm)	>300
IP	IP67

Series	Flat luminous surface series (DMX512 & SPI SERIES)
Model	NS-T1615
Size(mm)	16X15
Voltage	DC24V
Min cut (mm)	50
Power (W/m)	12
Lumen (LM/m)	48~262
CCT / Color	RGB
CRI	>90
Min bending radius (mm)	>300
IP	IP67

Series	Flat luminous surface series (DMX512 & SPI SERIES)
Model	NS-D16
Size(mm)	16
Voltage	DC24V
Min cut (mm)	50
Power (W/m)	12.5
Lumen (LM/m)	69~294
CCT / Color	RGB
CRI	>90
Min bending radius (mm)	>300
IP	IP67

Series	Flat luminous surface series (DMX512 & SPI SERIES)
Model	NS-D25
Size(mm)	25
Voltage	DC24V
Min cut (mm)	50
Power (W/m)	25
Lumen (LM/m)	112~474
CCT / Color	RGB
CRI	>90
Min bending radius (mm)	>300
IP	IP67
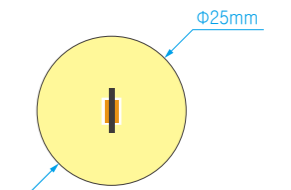
Series	Flat luminous surface series (DMX512 & SPI SERIES)
Model	NS-S0612D
Size(mm)	6X12
Voltage	DC24V
Min cut (mm)	50
Power (W/m)	12.5
Lumen (LM/m)	64~243
CCT / Color	RGB
CRI	>90
Min bending radius (mm)	>300
IP	IP67
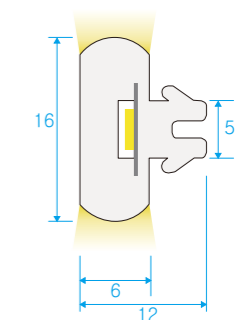
MINI CUTTING SERIES

Series	Flat luminous surface series (MINI CUTTING SERIES)
Model	NS-S0612MC
Size(mm)	6X12
Voltage	DC24V
Min cut (mm)	50
Power (W/m)	10
Lumen (LM/m)	173.25~181.50
CCT / Color	2700K 3000K 4000K 6000K
CRI	>90
Min bending radius (mm)	>300
IP	IP67

12mm
6mm
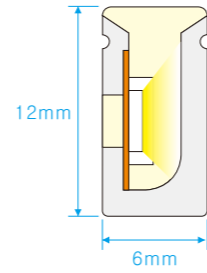
Series	Flat luminous surface series (MINI CUTTING SERIES)
Model	NS-T1212MC
Size(mm)	12X12
Voltage	DC24V
Min cut (mm)	50
Power (W/m)	10
Lumen (LM/m)	299.25~313.50
CCT / Color	2700K 3000K 6000K
CRI	>90
Min bending radius (mm)	>300
IP	IP67

12mm
12mm
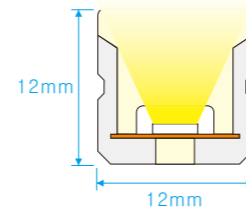
Series	Flat luminous surface series (MINI CUTTING SERIES)
Model	NS-S1220MC
Size(mm)	12X20
Voltage	DC24V
Min cut (mm)	50
Power (W/m)	15
Lumen (LM/m)	144.37~151.25
CCT / Color	2700K 3000K 4000K 6000K
CRI	>90
Min bending radius (mm)	>300
IP	IP67

20mm
12mm
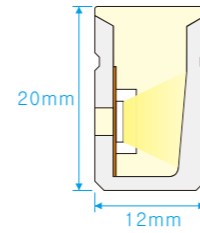
Series	Flat luminous surface series (MINI CUTTING SERIES)
Model	NS-T1615MC
Size(mm)	16X15
Voltage	DC24V
Min cut (mm)	50
Power (W/m)	15
Lumen (LM/m)	254.62~266.75
CCT / Color	2700K 3000K 6000K
CRI	>90
Min bending radius (mm)	>300
IP	IP67

15mm
16mm
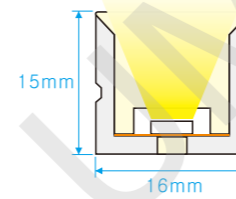
3D SERIES

Series	Flat luminous surface series (3D SERIES)
Model	NS-3D1615
Size(mm)	16X15
Voltage	DC24V
Min cut (mm)	50
Power (W/m)	10
Lumen (LM/m)	316~387
CCT / Color	2700K 3000K 4000K 6000K
CRI	>90
Min bending radius (mm)	>300
IP	IP67

15mm
16mm
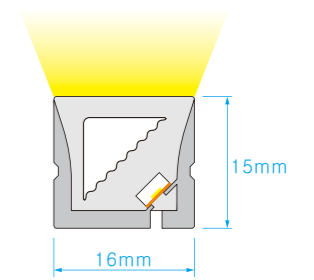
PU SERIES

Series	Flat luminous surface series (PU SERIES)
Model	NP-S1220
Size(mm)	12X20
Voltage	DC24V
Min cut (mm)	50
Power (W/m)	15
Lumen (LM/m)	314~330
CCT / Color	2700K 3000K 4000K 6000K
CRI	>80
Min bending radius (mm)	>300
IP	IP67

20mm
12mm
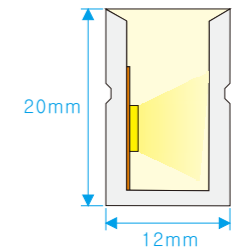
Series	Flat luminous surface series (PU SERIES)
Model	NP-T1615
Size(mm)	16X15
Voltage	DC24V
Min cut (mm)	50
Power (W/m)	15
Lumen (LM/m)	498~513
CCT / Color	2700K 3000K 4000K 6000K
CRI	>80
Min bending radius (mm)	>300
IP	IP67

15mm
16mm
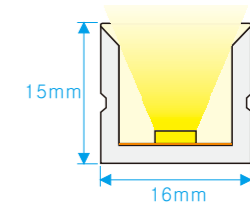
HIGH EFFICIENCY SERIES

Series	Flat luminous surface series (HIGH EFFICIENCY SERIES)
Model	NS-T1212H
Size(mm)	12X12
Voltage	DC24V
Min cut (mm)	50
Power (W/m)	10
Lumen (LM/m)	420~480
CCT / Color	
CRI	>90
Min bending radius (mm)	>300
IP	IP67
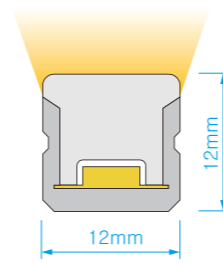
Series	Flat luminous surface series (HIGH EFFICIENCY SERIES)
Model	NS-T1615H
Size(mm)	16X15
Voltage	DC24V
Min cut (mm)	50
Power (W/m)	15
Lumen (LM/m)	375~450
CCT / Color	
CRI	>90
Min bending radius (mm)	>300
IP	IP67
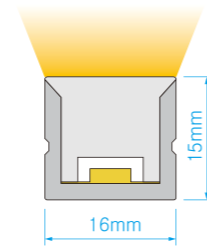
IP44 SERIES

Series	Flat luminous surface series (IP44 SERIES)
Model	NS-S1220T
Size(mm)	12X20
Voltage	DC24V
Min cut (mm)	50
Power (W/m)	15
Lumen (LM/m)	374~378
CCT / Color	
CRI	>90
Min bending radius (mm)	>300
IP	IP44
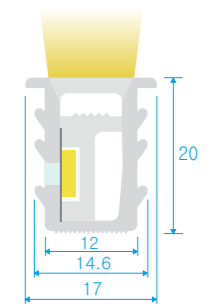
Series	Flat luminous surface series (IP44 SERIES)
Model	NS-T1615T
Size(mm)	16X15
Voltage	DC24V
Min cut (mm)	50
Power (W/m)	15
Lumen (LM/m)	48.8~63.0
CCT / Color	
CRI	>90
Min bending radius (mm)	>300
IP	IP44
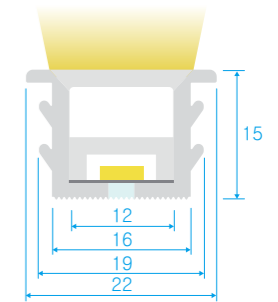
BLACK SERIES

Series	Flat luminous surface series (BLACK SERIES)
Model	NS-S1220B
Size(mm)	12X20
Voltage	DC24V
Min cut (mm)	50
Power (W/m)	15
Lumen (LM/m)	9.1~10.1
CCT / Color	
CRI	>90
Min bending radius (mm)	>300
IP	IP67
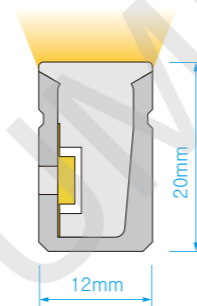
Series	Flat luminous surface series (BLACK SERIES)
Model	NS-T1615B
Size(mm)	16X15
Voltage	DC24V
Min cut (mm)	50
Power (W/m)	15
Lumen (LM/m)	10.3~10.9
CCT / Color	
CRI	>90
Min bending radius (mm)	>300
IP	IP67
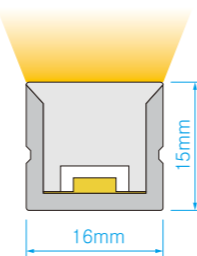
SIDE / HORIZONTAL BEND SERIES

This series of LED neon lights can be bent either on the side or horizontally.

SIDE / Horizontal Bend S0408 NEON

▶ Regular power 6W/m
▶ Max length 5 meters with one end power
▶ Seven CCT optional from 2100K to 5300K

2100K 2400K 2600K 3000K 3500K 4200K 5300K

One Bin | CRI >90 | Solvent resistant | Saltwater resistant | UV protected | Cuttable | 50000 hours Lifetime | LM80 Compliant | WARRANTY 3 YEARS

Accessory

Mounting accessories

Mounting clip (length: 1.5cm)
Mounting channel (length: 1m, 2m, 3m)

Endcap

Endcap without hole | Outlet from the end
Standard end cap

Wire cable

2PIN cable

Connector

2PIN connector
(Single color)

DIMENSIONS & WATERPROOF

Top view
5000mm | 300mm
4mm
6.5mm | Light surface

Side view
8mm
10.5mm
9.5mm | Cutting length: 25mm | 9.5 | 15.5

Light emitting surface
200mm
Min bending diameter
8mm
4mm

Light emitting surface
Bend horizontal only

PRODUCT SPECIFICATION

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

S0408	
Power(W/m)	6
Efficacy(lm/W)@3000K	42.2
Max Length(m)	5

POLAR CURVE (The data base on 6W 5300K)

90°
15.6
31.1
46.7
62.2
77.8
0°

C0/C180: — C90/C270: — C0: —
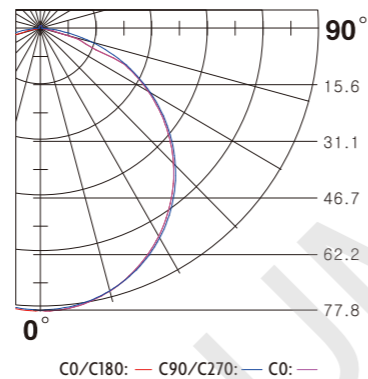
WHITE COLOR PARAMETERS

Part Number	CCT (K)	Lumen (lm/m)	Efficacy (lm/w)
▶ NS-S0408-W21	2000−2300K	199	33.2
▶ NS-S0408-W24	2300−2600K	212	35.3
▶ NS-S0408-W26	2400−2800K	219	36.5
▶ NS-S0408-W30	2800−3300K	253	42.2
▶ NS-S0408-W35	3200−3900K	223	37.2
▶ NS-S0408-W42	3900−4600K	214	35.7
▶ NS-S0408-W53	5000−5700K	221	36.8
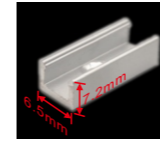
SIDE / Horizontal Bend S0612 NEON

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

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

R P G B Y RGB

One Bin | CRI>90 | Solvent resistant | Saltwater resistant | UV protected | Cuttable | 50000 hours Lifetime | LM80 Compliant | 3 YEARS

DIMENSIONS & WATERPROOF

Top view
8mm
6mm
12mm
Light surface
max length
300mm
12mm

Side view
14mm
12mm
12mm
Cutting length

Light emitting surface
200nm
Min bending diameter
12mm
6mm

Light emitting surface
Bend horizontal only

PRODUCT SPECIFICATION

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

Color type	Cutting length (mm)
Single color	50mm
Tunable white	50mm
RGB color	62.5mm

POLAR CURVE (The data base on 10W 4000K)

90°
23.6
47.1
70.7
94.3
117.8
0°

C0/C180: — C90/C270: — C0: —
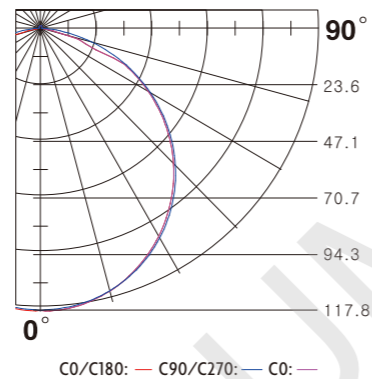
WHITE COLOR PARAMETERS

Part Number	CCT (K)	Low power(5w/m) (lm/m)	(max length)	High power(10w/m) (lm/m)	(max length)
NS-S0612-W21	2000-2200K	145	15m	246	10m
NS-S0612-W24	2300-2500K	173	15m	312	10m
NS-S0612-W27	2600-2800K	178	15m	353	10m
NS-S0612-W30	2900-3100K	154	15m	299	10m
NS-S0612-W35	3400-3700K	169	15m	327	10m
NS-S0612-W40	3800-4300K	186	15m	360	10m
NS-S0612-W50	4800-5300K	187	15m	360	10m
NS-S0612-W60	5900-6400K	190	15m	359	10m

TUNABLE COLOR PARAMETERS

Part Number	CCT (K)	Low power(5w/m) (lm/m)	(max length)	High power(10w/m) (lm/m)	(max length)
NS-S0612-TW	2000-2300K	58	5m	126	5m
NS-S0612-TW	5000-5500K	88	5m	177	5m
NS-S0612-TW	3400-3700K	158	5m	269	5m

RGB COLOR PARAMETERS

Part Number	Color (nm)	Low power(5w/m) (lm/m)	(max length)	High power(10w/m) (lm/m)	(max length)
NS-S0612-R	620-625nm	82.0	20m	160.0	13m
NS-S0612-G	515-525nm	240.0	15m	398.0	10m
NS-S0612-B	460-465nm	29.7	15m	51.6	10m
NS-S0612-Y	585-595nm	61.4	20m	125.0	13m
NS-S0612-P	–	78.0	15m	144.6	10m
NS-S0612-RGB	15000-30000K	73.0	5m	126.6	5m

Accessory

Mounting accessories
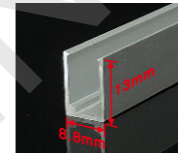
Mounting clip(length: 2cm)
Mounting channel(length: 1m, 2m,3m)
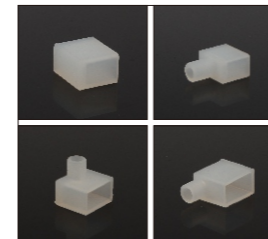
Endcap

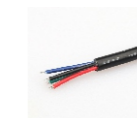Standard end cap

Wire cable

2PIN cable   3PIN cable   4PIN cable

Connector

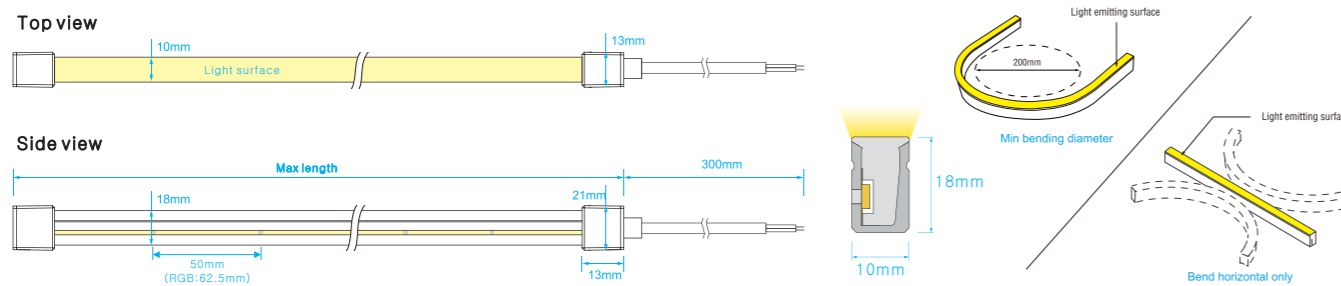2PIN connector (Single color)   3PIN connector (Tunable White)   4PIN connector (RGB color)

SIDE / Horizontal Bend S0817 NEON

▶ Regular power 5W/m and 10W/m for option
▶ Max length 25 meters with one end power
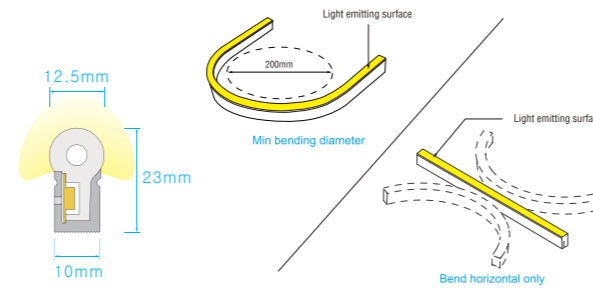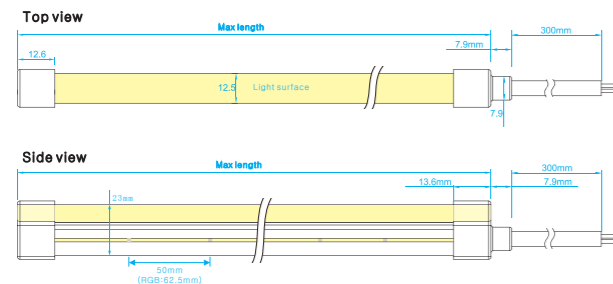▶ Eight CCT optional from 2100K to 6000K

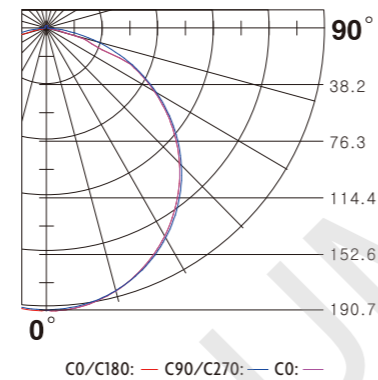2100K 2400K 2700K 3000K 3500K 4000K 50000K 6000K | 2700K 5500K

R | P | G | B | Y | RGB

One Bin | CRI >90 | Solvent resistant | Saltwater resistant | UV protected | Cuttable | 50000 hours Lifetime | LM80 Compliant | 3 YEARS WARRANTY

DIMENSIONS & WATERPROOF

Top view
Max length
300mm
12.6
6.9mm
10mm
Light surface
7.9

Side view
Max length
12.6mm
300mm
6.9mm
50mm (RGB:62.5mm)

10mm
200mm
17mm
8mm
Light emitting surface
Min bending diameter
Light emitting surface
Bend horizontal only

PRODUCT SPECIFICATION

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

Color type	Cutting length (mm)
Single color	50mm
Tunable white	50mm
RGB color	62.5mm

POLAR CURVE (The data base on 10W 4000K)

90°
23.9
47.9
71.8
95.7
119.6
0°

C0/C180: — C90/C270: — C0: —

WHITE COLOR PARAMETERS

Part Number	CCT (K)	Low power(5w/m) (lm/m)	(max length)	High power (10w/m) (lm/m)	(max length)
▶ NS-S0817-W21	2000~2200K	142	19m	271	13m
▶ NS-S0817-W24	2300~2500K	148	19m	285	13m
▶ NS-S0817-W27	2600~2800K	159	19m	310	13m
▶ NS-S0817-W30	2900~3100K	154	19m	311	13m
▶ NS-S0817-W35	3400~3700K	160	19m	323	13m
▶ NS-S0817-W40	3800~4300K	174	19m	340	13m
▶ NS-S0817-W50	4800~5300K	175	19m	344	13m
▶ NS-S0817-W60	5900~6300K	166	19m	319	13m

TUNABLE COLOR PARAMETERS

Part Number	CCT (K)	Low power(5w/m) (lm/m)	(max length)	High power(10w/m) (lm/m)	(max length)
▶ NS-S0817-TW	2500-2900K	81	5m	169	5m
▶ NS-S0817-TW	5000-5800K	83	5m	173	5m
▶ NS-S0817-TW	3500-4200K	161	5m	332	5m

RGB COLOR PARAMETERS

| Part Number	Color (nm)	Low power(5w/m) (lm/m)	(max length)	High power(10w/m) (lm/m)	(max length)
▶ NS-S0817-R	Red(620-625nm)	67.7	25m	192.2	17m
▶ NS-S0817-G	Green(515-525nm)	195.0	19m	466.0	13m
▶ NS-S0817-B	Blue(460-465nm)	34.7	19m	92.7	13m
▶ NS-S0817-Y	Yellow(585-595nm)	14.6	25m	37.4	17m
▶ NS-S0817-P	Pink	74.3	19m	195.8	13m
▶ NS-S0817-RGB	RGB	77.4	5m	108.0	5m

Accessory
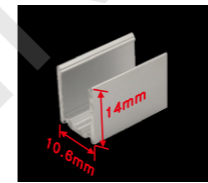
Mounting accessories

14mm
10.8mm

Mounting clip (length: 2cm)
Mounting channel (length: 1m, 2m, 3m)
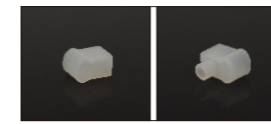
Endcap

Endcap without hole | Outlet from the end

Standard end cap

Wire cable

2PIN cable | 3PIN cable | 4PIN cable

Connector

2PIN connector (Single color) | 3PIN connector (Tunable White) | 4PIN connector (RGB color)

SIDE / Horizontal Bend S1010 NEON

- Regular power 5W/m and 10W/m for option
- Max length 25 meters with one end power
- Eight CCT optional from 2100K to 6000K

2100K 2400K 2700K 3000K 3500K 4000K 5000K 6000K   2700K 5500K

R | P | G | B | Y | RGB

One Bin | CRI >90 | Solvent resistant | Saltwater resistant | UV protected | Cuttable | 50000 Hours Lifetime | LM80 Compliant | 3 YEARS WARRANTY

DIMENSIONS & WATERPROOF

Top view
5000mm
10mm

Side view
10mm

Light emitting surface
200mm
Min bending diameter
10mm
10mm
Light emitting surface
Bend horizontal only

PRODUCT SPECIFICATION

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

Color type	Cutting length (mm)
Single color	50mm
Tunable white	50mm
RGB color	62.5mm

POLAR CURVE (The data base on 10W 4000K)

90°
48.6
97.1
145.7
194.2
242.8
0°

C0/C180: — C90/C270: — C0: —

WHITE COLOR PARAMETERS

Part Number	CCT (K)	Low power(5w/m) (lm/m)	(max length)	High power (10w/m) (lm/m)	(max length)
NS-S1010-W21	2000~2200K	279	5m	533	5m
NS-S1010-W24	2300~2500K	292	5m	564	5m
NS-S1010-W27	2600~2800K	298	5m	571	5m
NS-S1010-W30	2900~3100K	322	5m	623	5m
NS-S1010-W35	3400~3700K	306	5m	593	5m
NS-S1010-W40	3800~4300K	340	5m	660	5m
NS-S1010-W50	4800~5300K	346	5m	677	5m
NS-S1010-W60	5900~6300K	356	5m	690	5m

RGB COLOR PARAMETERS

Part Number	Color (nm)	Low power(5w/m) (lm/m)	(max length)	High power(10w/m) (lm/m)	(max length)
NS-S1010-R	Red(620-625nm)	140	5m	275	5m
NS-S1010-G	Green(515-525nm)	276	5m	540	5m
NS-S1010-B	Blue(460-465nm)	71	5m	131	5m
NS-S1010-Y	Yellow(585-595nm)	127	5m	246	5m
NS-S1010-P	Pink	232	5m	452	5m

Accessory

Mounting accessories
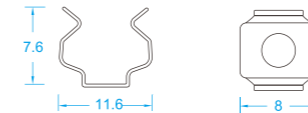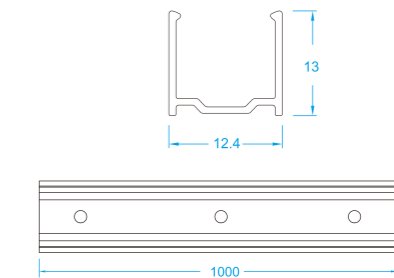
Stainless Steel Mounting Clips

7.6
11.6
8

Aluminium Profile

13
12.4
1000

Wire cable

2PIN cable | 3PIN cable | 4PIN cable

Connector

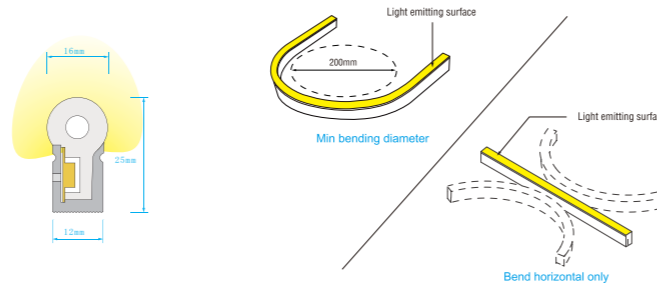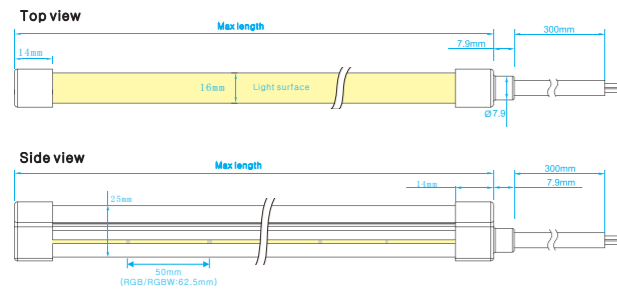2PIN connector (Single color) | 3PIN connector (Tunable White) | 4PIN connector (RGB color)

SIDE / Horizontal Bend S1018 NEON

- Regular power 5W/m, 10W/m and 15W/m for option
- Max length 33 meters with one end power
- Eight CCT optional from 2100K to 6000K

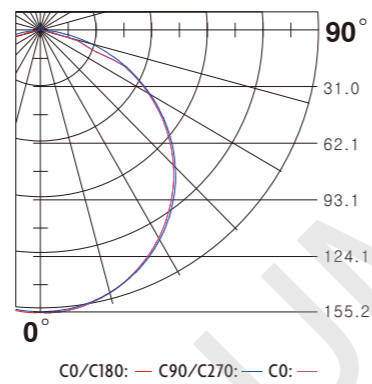2100K 2400K 2700K 3000K 3500K 4000K 5000K 6000K 2700K 5500K

R P G B Y RGB

One Bin | CRI >90 | Solvent resistant | Saltwater resistant | UV protected | Cuttable | 50000 hours Lifetime | LM80 Compliant | 3 YEARS WARRANTY

DIMENSIONS & WATERPROOF

Top view
10mm
Light surface
13mm

Side view
Max length
18mm
21mm
300mm
50mm
(RGB:62.5mm)
13mm

200mm
Min bending diameter
Light emitting surface
18mm
10mm

Light emitting surface
Bend horizontal only

PRODUCT SPECIFICATION

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

Color type	Cutting length (mm)
Single color	50mm
Tunable white	50mm
RGB color	62.5mm

POLAR CURVE (The data base on 15W 4000K)

90°
34.1
68.2
102.2
136.3
170.3
0°

C0/C180: — C90/C270: — C0: —
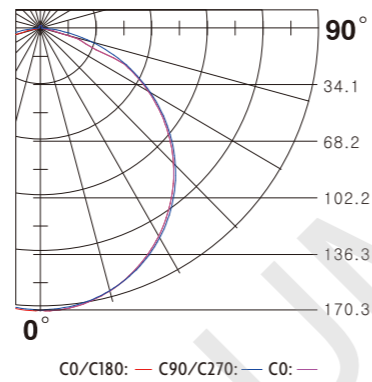
WHITE COLOR PARAMETERS

Part Number	CCT (K)	Low power(5w/m) (lm/m)	(max length)	Medium power(10w/m) (lm/m)	(max length)	High power(15w/m) (lm/m)	(max length)
NS-S1018-W21	2000~2200K	141.4	25m	276.4	17m	375.9	13m
NS-S1018-W24	2300~2500K	138.7	25m	273.3	17m	371.5	13m
NS-S1018-W27	2600~2800K	160.4	25m	312.6	17m	421.9	13m
NS-S1018-W30	2900~3100K	163.4	25m	328.4	17m	441.3	13m
NS-S1018-W35	3400~3700K	170.3	25m	327.0	17m	452.6	13m
NS-S1018-W40	3800~4300K	178.3	25m	356.0	17m	484.1	13m
NS-S1018-W50	4800~5300K	180.3	25m	346.0	17m	483.9	13m
NS-S1018-W60	5900~6300K	177.2	25m	353.9	17m	468.5	13m

TUNABLE COLOR PARAMETERS

Part Number	CCT (K)	Low power(5w/m) (lm/m)	(max length)	Medium power(10w/m) (lm/m)	(max length)	High power(15w/m) (lm/m)	(max length)
NS-S1018-TW	2500–2900K	77.2	5m	163.2	5m	219.0	5m
NS-S1018-TW	5000–5800K	83.0	5m	173.5	5m	231.5	5m
NS-S1018-TW	3500–4200K	160.8	5m	337.0	5m	451.8	5m

RGB COLOR PARAMETERS

Part Number	Color (nm)	Low power(5w/m) (lm/m)	(max length)	Medium power(10w/m) (lm/m)	(max length)	High power(15w/m) (lm/m)	(max length)
NS-S1018-R	Red(620–625nm)	70	33m	150	22m	192.2	17m
NS-S1018-G	Green(515–525nm)	190	25m	356	17m	466.0	13m
NS-S1018-B	Blue(460–465nm)	38	25m	71	17m	92.7	13m
NS-S1018-Y	Yellow(585–595nm)	59	33m	116	22m	37.4	17m
NS-S1018-P	Pink	74	25m	148	17m	195.8	13m
NS-S1018-RGB	RGB	82	5m	144	5m	108.0	5m

Accessory
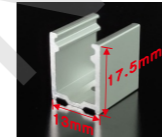
Mounting accessories

17.5mm

Mounting clip (length: 2cm)
Mounting channel (length: 1m, 2m, 3m)
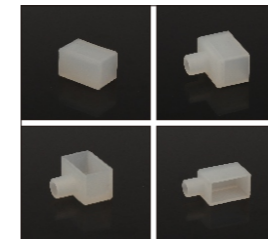
Endcap

Standard end cap

Wire cable

2PIN cable | 3PIN cable | 4PIN cable
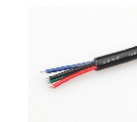
Connector

2PIN connector (Single color) | 3PIN connector (Tunable White) | 4PIN connector (RGB color)
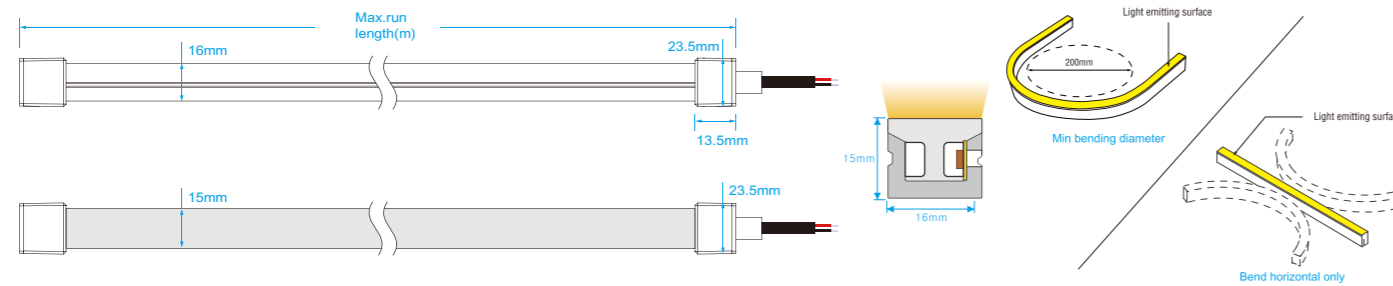
SIDE / Horizontal Bend S1023 NEON

▶ Regular power 5W/m,10W/m and 15W/m for option
▶ Max length 33 meters with one end power
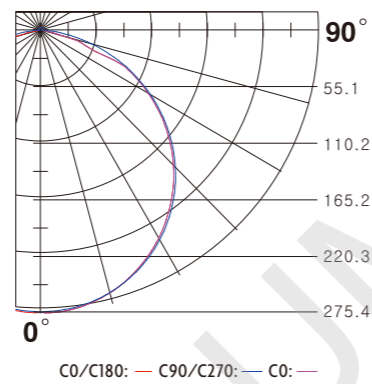▶ Eight CCT optional from 2100K to 6000K

2100K 2400K 2700K 3000K 3500K 4000K 5000K 6000K | 2700K 5500K

R P G B Y RGB

One Bin | CRI>90 | Solvent resistant | Saltwater resistant | UV protected | Cuttable | 50000 hours Lifetime | LM80 Compliant | WARRANTY 3 YEARS

DIMENSIONS & WATERPROOF

Top view
Max length
12.6
7.9mm
300mm
12.5 Light surface
7.9

Side view
Max length
13.6mm
300mm
7.9mm
23mm
52mm (RGB:62.5mm)

12.5mm
200mm
Light emitting surface
Min bending diameter
23mm
10mm
Light emitting surface
Bend horizontal only

PRODUCT SPECIFICATION

Voltage	DC24 V
CRI/Ra	>90
Ambient temperature	−25℃~45℃

Color type	Cutting length (mm)
Single color	50mm
Tunable white	50mm
RGB color	62.5mm

POLAR CURVE (The data base on 15W 4000K)

90°
38.2
76.3
114.4
152.6
190.7
0°

C0/C180: — C90/C270: — C0: —

WHITE COLOR PARAMETERS

Part Number	CCT (K)	Low power(5w/m) (lm/m)	(max length)	Medium power(10w/m) (lm/m)	(max length)	High power(15w/m) (lm/m)	(max length)
▶ NS-S1023-W21	2000~2200K	160	25m	310	17m	433	13m
▶ NS-S1023-W24	2300~2500K	167	25m	322	17m	454	13m
▶ NS-S1023-W27	2600~2800K	179	25m	349	17m	491	13m
▶ NS-S1023-W30	2900~3100K	175	25m	345	17m	478	13m
▶ NS-S1023-W35	3400~3700K	194	25m	381	17m	534	13m
▶ NS-S1023-W40	3800~4300K	197	25m	387	17m	542	13m
▶ NS-S1023-W50	4800~5300K	191	25m	376	17m	531	13m
▶ NS-S1023-W60	5900~6300K	179	25m	350	17m	500	13m

TUNABLE COLOR PARAMETERS

Part Number	CCT (K)	Low power(5w/m) (lm/m)	(max length)	Medium power(10w/m) (lm/m)	(max length)	High power(15w/m) (lm/m)	(max length)
▶ NS-S1023-TW	2500-2900K	85	5m	180	5m	251	5m
▶ NS-S1023-TW	5000-5800K	89	5m	190	5m	262	5m
▶ NS-S1023-TW	3500-4200K	175	5m	362	5m	509	5m

RGB COLOR PARAMETERS

Part Number	Color (nm)	Low power(5w/m) (lm/m)	(max length)	Medium power(10w/m) (lm/m)	(max length)	High power(15w/m) (lm/m)	(max length)
▶ NS-S1023-R	Red(620-625nm)	69	33m	148	22m	197	17m
▶ NS-S1023-G	Green(515-525nm)	213	25m	404	17m	513	13m
▶ NS-S1023-B	Blue(460-465nm)	40	25m	74	17m	103	13m
▶ NS-S1023-Y	Yellow(585-595nm)	63	33m	125	22m	156	17m
▶ NS-S1023-P	Pink	81	25m	162	17m	218	13m
▶ NS-S1023-RGB	RGB	78	5m	145	5m	181	5m

Accessory

Mounting accessories
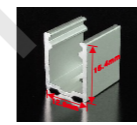
Mounting clip (length: 2cm)
Mounting channel (length: 1m, 2m, 3m)
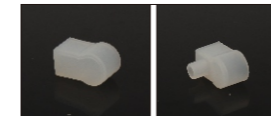
Endcap

Endcap without hole | Outlet from the end
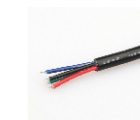Standard end cap

Wire cable

2PIN cable | 3PIN cable | 4PIN cable

Connector

2PIN connector (Single color) | 3PIN connector (Tunable White) | 4PIN connector (RGB color)
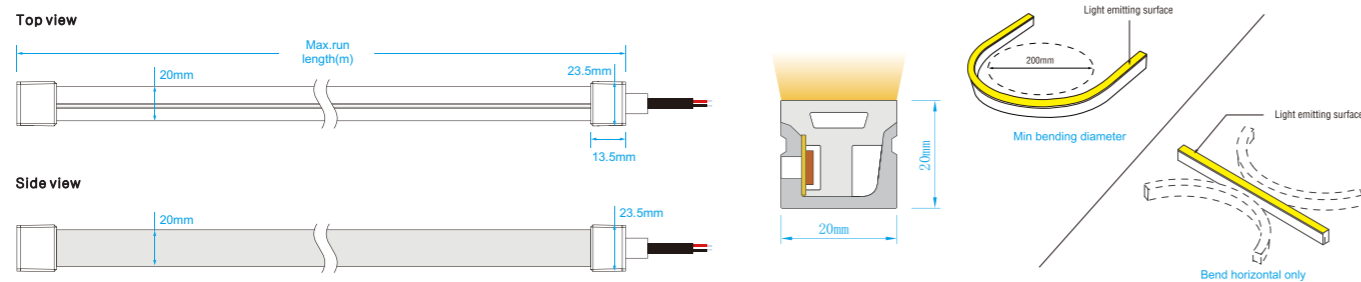
SIDE / Horizontal Bend S1225 NEON

▸ Regular power 5W/m,10W/m and 15W/m for option
▸ Max length 35 meters with one end power
▸ Eight CCT optional from 2100K to 6000K

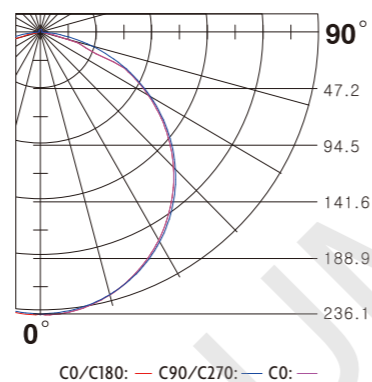2100K 2400K 2700K 3000K 3500K 4000K 5000K 6000K | 2700K 5400K

R | P | G | B | Y | RGB | RGBW

One Bin | CRI >90 | Solvent resistant | Saltwater resistant | UV protected | Cuttable | 50000 hours Lifetime | LM80 Compliant | 3 YEARS WARRANTY

DIMENSIONS & WATERPROOF

Top view
Max length
7.9mm
300mm
16mm Light surface
Ø7.0

Side view
Max length
23mm
14mm
300mm
7.9mm
50mm
(RGB/RGBW:62.5mm)

16mm
23mm
12mm

Light emitting surface
200mm
Min bending diameter

Light emitting surface
Bend horizontal only

PRODUCT SPECIFICATION

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

Color Type	Cutting length (mm)
Single color	50mm
Tunable white	50mm
RGB color	62.5mm
RGBW color	62.5mm

POLAR CURVE (The data base on 15W 4000K)

90°
31.0
62.1
93.1
124.1
155.2
0°

C0/C180: — C90/C270: — C0: —

WHITE COLOR PARAMETERS

Part Number	CCT (K)	Low power (5w/m)		Medium power (10w/m)		High power (15w/m)	
		(lm/m)	(max length)	(lm/m)	(max length)	(lm/m)	(max length)
NS-S1225-W21	2000~2200K	124	27m	237	17m	332	14m
NS-S1225-W24	2300~2500K	139	27m	270	17m	382	14m
NS-S1225-W27	2600~2800K	146	27m	286	17m	400	14m
NS-S1225-W30	2900~3100K	144	27m	286	17m	395	14m
NS-S1225-W35	3400~3700K	153	27m	304	17m	428	14m
NS-S1225-W40	3800~4300K	160	27m	318	17m	441	14m
NS-S1225-W50	4800~5300K	153	27m	301	17m	423	14m
NS-S1225-W60	5900~6300K	159	27m	313	17m	436	14m

TUNABLE COLOR PARAMETERS

Part Number	CCT (K)	Low power (5w/m)		Medium power (10w/m)		High power (15w/m)	
		(lm/m)	(max length)	(lm/m)	(max length)	(lm/m)	(max length)
NS-S1225-TW	2500-2900K	73	5m	150	5m	207	5m
NS-S1225-TW	5000-5800K	75	5m	156	5m	216	5m
NS-S1225-TW	3400-4000K	142	5m	291	5m	403	5m

RGB & RGBW COLOR PARAMETERS

Part Number	Color (nm)	Low power (5w/m)		Medium power (10w/m)		High power (15w/m)	
		(lm/m)	(max length)	(lm/m)	(max length)	(lm/m)	(max length)
NS-S1225-R	Red(620-625nm)	55.6	35m	123	23m	172	18m
NS-S1225-G	Green(515-525nm)	181	27m	340.7	17m	426	14m
NS-S1225-B	Blue(460-465nm)	32	27m	61.4	17m	85.7	14m
NS-S1225-Y	Yellow(585-595nm)	49.6	35m	102.5	23m	126.7	18m
NS-S1225-P	Pink	65.6	27m	131.7	17m	175.8	14m
NS-S1225-RGB	RGB	70.4	5m	131.6	5m	161.2	5m
NS-S1225-RGBW50	RGB+5000K	91.7	5m	180.8	5m	254.7	5m

Accessory

Mounting accessories
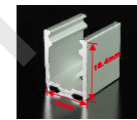
Mounting clip (length: 2cm)
Mounting channel (length: 1m, 2m, 3m)
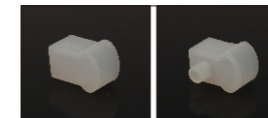
Endcap

Endcap without hole | Outlet from the end

Standard end cap

Wire cable

2PIN cable | 3PIN cable | 4PIN cable | 5PIN cable

Connector

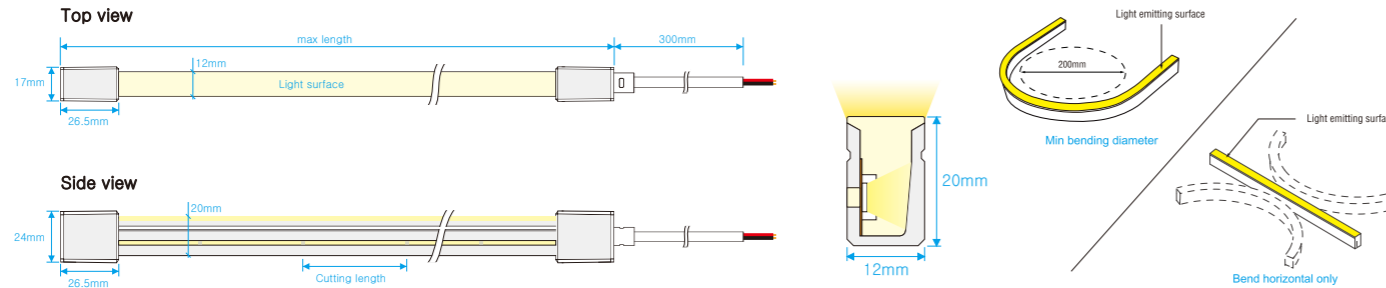2PIN connector (Single color) | 3PIN connector (Tunable White) | 4PIN connector (RGB color) | 5PIN connector (RGB+White color)

SIDE / Horizontal Bend S1615 NEON

- Regular power 5W/m,10W/m and 15W/m for option
- Max length 35 meters with one end power
- Eight CCT optional from 2100K to 6000K

2100K 2400K 2700K 3000K 3500K 4000K 5000K 6000K 2700K 5400K

R P G B Y RGB RGBW

One Bin | CRI >90 | Solvent resistant | Saltwater resistant | UV protected | Cuttable | 50000 Hours Lifetime | LM80 Compliant | 3 YEARS WARRANTY

DIMENSIONS & WATERPROOF

Max.run length(m)
16mm 23.5mm 13.5mm
15mm 23.5mm

Light emitting surface
200mm
Min bending diameter

15mm 16mm

Light emitting surface
Bend horizontal only

PRODUCT SPECIFICATION

Voltage	DC24 V
CRI/Ra	>90
Ambient temperature	−25℃~45℃

Color Type	Cutting length (mm)
Single color	50mm
Tunable white	50mm
RGB color	62.5mm
RGBW color	62.5mm

POLAR CURVE (The data base on 15W 4000K)

90°
55.1
110.2
165.2
220.3
275.4
0°

C0/C180: — C90/C270: — C0: —

WHITE COLOR PARAMETERS

Part Number	CCT (K)	Low power(5w/m) (lm/m)	(max length)	Medium power(10w/m) (lm/m)	(max length)	High power(15w/m) (lm/m)	(max length)
NS-S1615-W21	2000~2200K	240.3	27m	459.9	17m	627.5	14m
NS-S1615-W24	2300~2500K	242.0	27m	468.1	17m	659.7	14m
NS-S1615-W27	2600~2800K	285.8	27m	552.7	17m	771.5	14m
NS-S1615-W30	2900~3100K	286.3	27m	539.3	17m	766.9	14m
NS-S1615-W35	3400~3700K	300.7	27m	583.9	17m	815.8	14m
NS-S1615-W40	3800~4300K	294.1	27m	573.4	17m	807.0	14m
NS-S1615-W50	4800~5300K	297.8	27m	570.3	17m	793.9	14m
NS-S1615-W60	5900~6300K	293.9	27m	572.9	17m	782.6	14m

TUNABLE COLOR PARAMETERS

Part Number	CCT (K)	Low power(5w/m) (lm/m)	(max length)	Medium power(10w/m) (lm/m)	(max length)	High power(15w/m) (lm/m)	(max length)
NS-S1615-TW	2500-2900K	133.0	5m	274.0	5m	363.7	5m
NS-S1615-TW	5000-5800K	143.9	5m	295.1	5m	387.2	5m
NS-S1615-TW	3400-4000K	279.5	5m	569.6	5m	766.2	5m

RGB & RGBW COLOR PARAMETERS

Part Number	Color (nm)	Low power(5w/m) (lm/m)	(max length)	Medium power(10w/m) (lm/m)	(max length)	High power(15w/m) (lm/m)	(max length)
NS-S1615-R	Red(620-625nm)	111.6	35m	237.5	23m	323.2	18m
NS-S1615-G	Green(515-525nm)	308.0	27m	548.2	17m	697.4	14m
NS-S1615-B	Blue(460-465nm)	57.0	27m	106.9	17m	148.6	14m
NS-S1615-Y	Yellow(585-595nm)	25.6	35m	44.4	23m	61.0	18m
NS-S1615-P	Pink	116.7	27m	224.5	17m	302.2	14m
NS-S1615-RGB-CV	RGB	147.8	5m	267.8	5m	323.5	5m
NS-S1615-RGBW-CV	RGB+5000K	189.5	5m	366.0	5m	496.4	5m
NS-T1615-RGB-CC	RGB:320lm/m	R:66lm/m G:220lm/m B:35lm/m				Max length 13m	
NS-T1615-RGBW-CC	RGBW:547lm/m	R:63.8lm/m G:192lm/m B:57.5lm/m W:249lm/m				Max length 10m	

Accessory

Mounting accessories
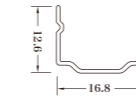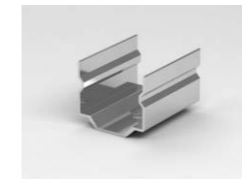
Stainless Steel Mounting clips
12.6 16.8
Dimension: 20x12.6x16.8mm

Aluminium Mounting clips
17.6 20.5
Dimension: 20x20.5x17.6mm
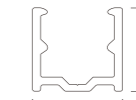
Aluminium Profile
17.6 20.5
Dimension: 1000x20.5x17.6mm
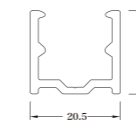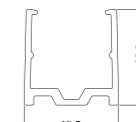
transparent plastic groove
19.8 19.5
Dimension: 1000x19.5x19.8mm

Wire cable

2PIN cable   3PIN cable   4PIN cable   5PIN cable

Connector

2PIN connector (Single color)   3PIN connector (Tunable White)   4PIN connector (RGB color)   5PIN connector (RGB+White color)

SIDE / Horizontal Bend S2020 NEON

- ▶ Regular power 5W/m,10W/m and 15W/m for option
- ▶ Max length 35 meters with one end power
- ▶ Eight CCT optional from 2100K to 6000K

2100K 2400K 2700K 3000K 3500K 4000K 5000K 6000K 2700K 5400K
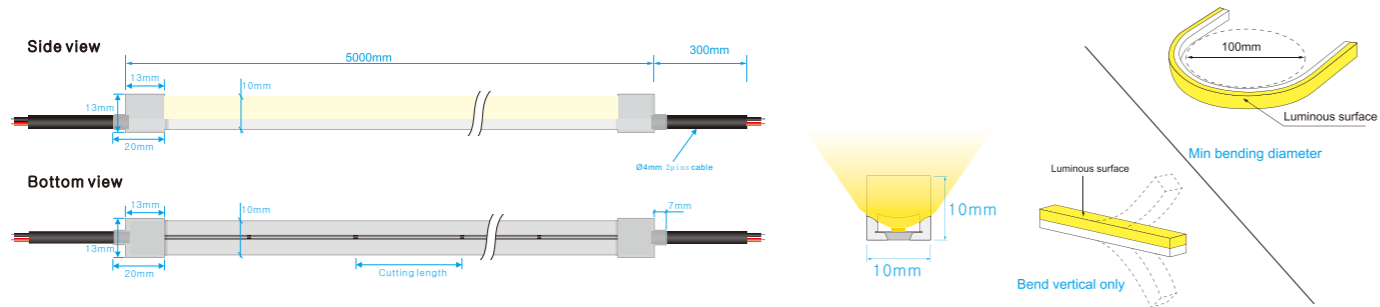
R P G B Y RGB RGBW

One Bin | CRI >90 | Solvent resistant | Saltwater resistant | UV protected | Cuttable | 50000 hours Lifetime | LM80 Compliant | 3 YEARS WARRANTY

DIMENSIONS & WATERPROOF

Top view
20mm | Max.run length(m) | 23.5mm | 13.5mm

Side view
20mm | 23.5mm

Light emitting surface
200mm | Min bending diameter | 20mm | 20mm

Light emitting surface
Bend horizontal only

PRODUCT SPECIFICATION

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

Color Type	Cutting length (mm)
Single color	50mm
Tunable white	50mm
RGB color	62.5mm
RGBW color	62.5mm

POLAR CURVE (The data base on 15W 4000K)

90°
47.2
94.5
141.6
188.9
236.1

0°

C0/C180: — C90/C270: — C0: —

WHITE COLOR PARAMETERS

Part Number	CCT (K)	Low power(5w/m) (lm/m)	(max length)	Medium power(10w/m) (lm/m)	(max length)	High power(15w/m) (lm/m)	(max length)
▶ NS-S2020-W21	2000~2200K	198	27m	382	17m	546	14m
▶ NS-S2020-W24	2300~2500K	235	27m	453	17m	650	14m
▶ NS-S2020-W27	2600~2800K	239	27m	461	17m	662	14m
▶ NS-S2020-W30	2900~3100K	225	27m	432	17m	617	14m
▶ NS-S2020-W35	3400~3700K	248	27m	480	17m	687	14m
▶ NS-S2020-W40	3800~4300K	242	27m	467	17m	635	14m
▶ NS-S2020-W50	4800~5300K	241	27m	466	17m	665	14m
▶ NS-S2020-W60	5900~6300K	240	27m	464	17m	671	14m

TUNABLE COLOR PARAMETERS

Part Number	CCT (K)	Low power(5w/m) (lm/m)	(max length)	Medium power(10w/m) (lm/m)	(max length)	High power(15w/m) (lm/m)	(max length)
▶ NS-S2020-TW	2600-2800K	131	5m	250	5m	360	5m
▶ NS-S2020-TW	5100-5700K	133	5m	256	5m	368	5m
▶ NS-S2020-TW	3800-4300K	251	5m	489	5m	693	5m

RGB & RGBW COLOR PARAMETERS

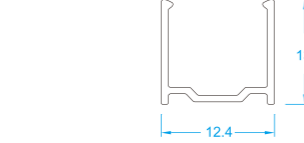| Part Number	Color (nm)	Low power(5w/m) (lm/m)	(max length)	Medium power(10w/m) (lm/m)	(max length)	High power(15w/m) (lm/m)	(max length)
▶ NS-S2020-R	Red(620-625nm)	120	27m	220	17m	300	14m
▶ NS-S2020-G	Green(515-525nm)	185	27m	350	17m	495	41m
▶ NS-S2020-B	Blue(460-465nm)	53	27m	95	17m	128	14m
▶ NS-S2020-Y	Yellow(585-595nm)	110	27m	205	17m	293	14m
▶ NS-S2020-P	Pink	180	27m	340	17m	480	14m
▶ NS-S2020-RGB	RGB	112	5m	209	5m	284	5m
▶ NS-S2020-RGBW50	RGB+5000K	153	5m	285	5m	396	5m

Accessory

Mounting accessories

Aluminium Mounting clips
23 | 17.2 | 20
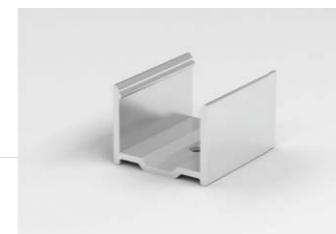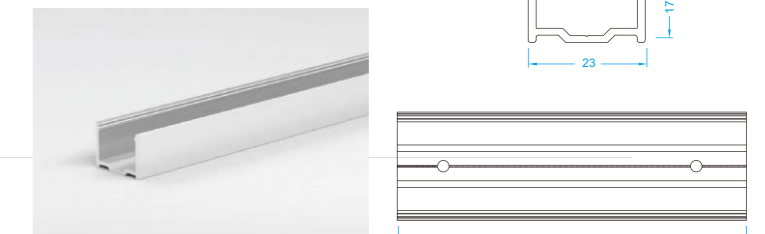
Aluminium Profile
17.2 | 23 | 1000

Wire cable

2PIN cable | 3PIN cable | 4PIN cable | 5PIN cable

Connector

2PIN connector (Single color) | 3PIN connector (Tunable White) | 4PIN connector (RGB color) | 5PIN connector (RGB+White color)
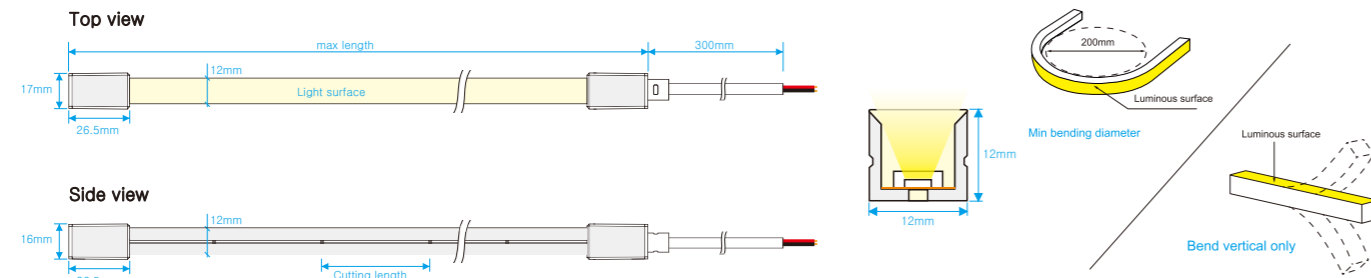
SIDE / Horizontal Bend S1220 NEON

- ▶ Regular power 5W/m,10W/m and 15W/m for option
- ▶ Max length 35 meters with one end power
- ▶ Soldering-free and silicone end cap
- ▶ Eight CCT optional from 2100K to 6150K

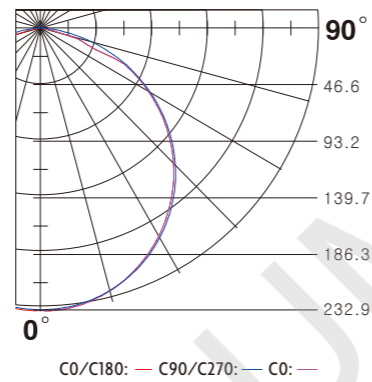2100K 2400K 2700K 3000K 3500K 4050K 5050K 6150K 2200K 5500K

R P G B Y RGB RGBW

One Bin | CRI >90 | Solvent resistant | Saltwater resistant | UV protected | Cuttable | 50000 hours Lifetime | LM80 Compliant | 3 YEARS WARRANTY

DIMENSIONS & WATERPROOF

Top view
max length
12mm
17mm
Light surface
26.5mm
300mm

Side view
24mm
20mm
26.5mm
Cutting length

Light emitting surface
200mm
Min bending diameter
20mm
12mm

Light emitting surface
Bend horizontal only

PRODUCT SPECIFICATION

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

Color Type	Cutting length(mm)
Single color	50mm
Tunable white	50mm
RGB color	62.5mm
RGBW color	62.5mm

POLAR CURVE (The data base on 15W 4000K)

90°
32.7
65.5
98.2
130.9
163.7
0°

C0/C180: — C90/C270: — C0: —

WHITE COLOR PARAMETERS

Part Number	CCT (K)	Low power(5w/m) (lm/m)	(max length)	Medium power(10w/m) (lm/m)	(max length)	High power(15w/m) (lm/m)	(max length)
NS-S1220-W21	2000~2200K	131.7	27m	258.7	17m	360.9	14m
NS-S1220-W24	2300~2500K	150.4	27m	293.0	17m	410.1	14m
NS-S1220-W27	2600~2800K	152.7	27m	303.2	17m	431.7	14m
NS-S1220-W30	2900~3100K	156.7	27m	307.2	17m	432.3	14m
NS-S1220-W35	3400~3700K	176.9	27m	345.1	17m	475.4	14m
NS-S1220-W40	3800~4300K	170.1	27m	335.6	17m	470.1	14m
NS-S1220-W50	4800~5300K	170.0	27m	329.4	17m	461.8	14m
NS-S1220-W60	5900~6400K	168.2	27m	328.3	17m	465.1	14m

TUNABLE COLOR PARAMETERS

Part Number	CCT (K)	Low power(5w/m) (lm/m)	(max length)	Medium power(10w/m) (lm/m)	(max length)	High power(15w/m) (lm/m)	(max length)
NS-S1220-TW	2500~2900K	80.2	5m	171.3	5m	229.0	5m
NS-S1220-TW	5000~5800K	85.6	5m	186.0	5m	244.3	5m
NS-S1220-TW	3500~4200K	167.4	5m	353.5	5m	476.3	5m

RGB & RGBW COLOR PARAMETERS

Part Number	Color (nm)	Low power(5w/m) (lm/m)	(max length)	Medium power(10w/m) (lm/m)	(max length)	High power(15w/m) (lm/m)	(max length)
NS-S1220-R	Red(620~625nm)	73.8	35m	155.4	23m	204.7	18m
NS-S1220-G	Green(515~525nm)	198.2	27m	372.6	17m	473.2	14m
NS-S1220-B	Blue(460~465nm)	35.2	27m	69.8	17m	93.3	14m
NS-S1220-Y	Yellow(585~595nm)	15.5	35m	30.4	23m	40.8	18m
NS-S1220-P	Pink	74.6	27m	148.2	17m	199	14m
NS-S1220-RGB	RGB	86.1	5m	160.2	5m	200.3	5m
NS-S1220-RGBW	RGBW	110.7	5m	211.2	5m	301.8	5m

Note: RGB Constant Current version for option, Max length 13meters with one end power, power is 11w/m, lumen (lm/m) is R:41 G:140 B:23 RGB:200

## Accessory

Mounting accessories
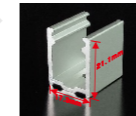
Mounting clip (length: 2cm)
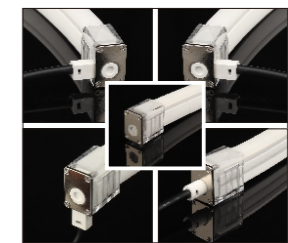Mounting channel (length: 1m, 2m, 3m)
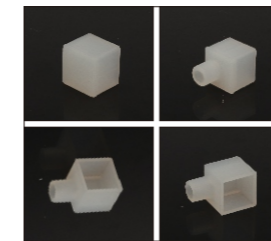
End cap
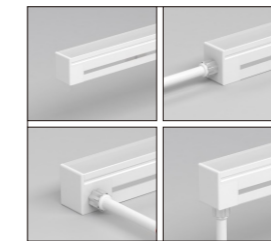
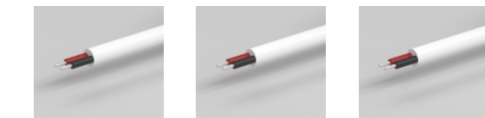Standard end cap | Seamless end cap | Solderless end cap
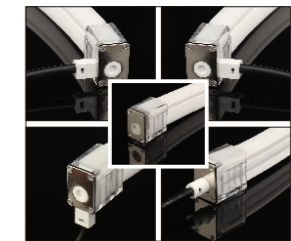
Wire cable

2PIN cable | 3PIN cable | 4PIN cable | 5PIN cable | 2PIN cable | 3PIN cable | 4PIN cable | 5PIN cable

Anti syphon metal ring (Used with seamless end cap for outdoor)
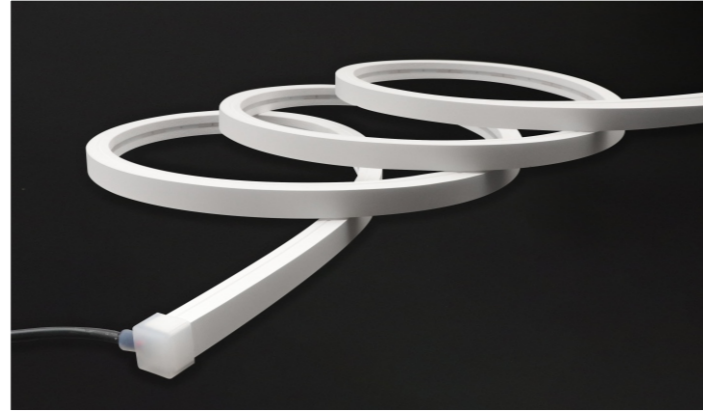
Connector

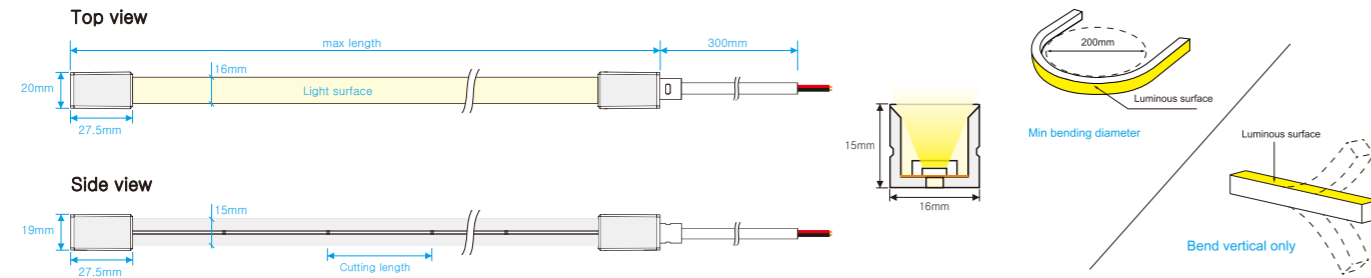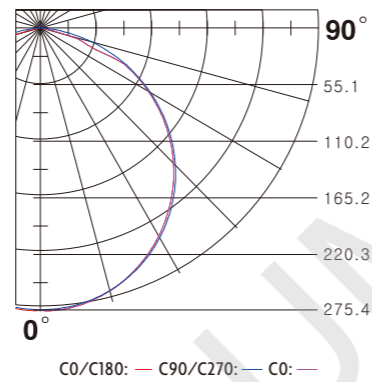2PIN connector (Single color) | 3PIN connector (Tunable White) | 4PIN connector (RGB color) | 5PIN connector (RGB+White color)

TOP / VERTICAL BRAND SERIES

BEND SERIES

This series of LED neon lights can be bent either on the top or vertically.

TOP / Vertical Bend T0606 NEON

- Regular power 6W/m
- Max length 5 meters with one end power
- Nine CCT optional from 1700K to 5600K

1700K 2200K 2400K 2600K 2800K 3200K 3800K 4400K 5600K

One Bin | CRI >90 | Solvent resistant | Saltwater resistant | UV protected | Cuttable | 50000 Hours Lifetime | LM80 Compliant | 3 YEARS WARRANTY

DIMENSIONS & WATERPROOF

Top view

8.5mm
5000mm
300mm
6mm
Light surface
10mm
10
17

Bottom view

8.5mm
6mm
Cutting length: 25mm

200mm
Luminous surface
6mm
Min bending diameter
6mm
Luminous surface
Bend vertical only
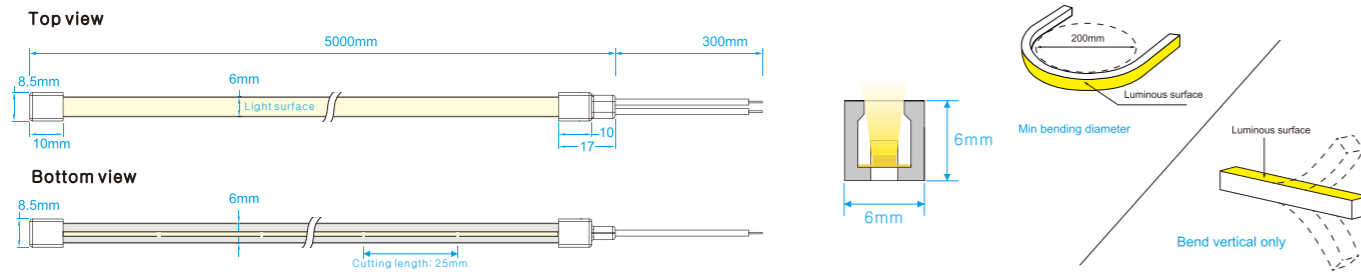
PRODUCT SPECIFICATION

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

T0606	
Power(W/m)	6
Efficacy(lm/W)@3000K	58
Max Length(m)	5

POLAR CURVE (The data base on 6W 6000K)

90°
24.5
49.0
73.5
98.0
122.5
0°
C0/C180: — C90/C270: — C0: —
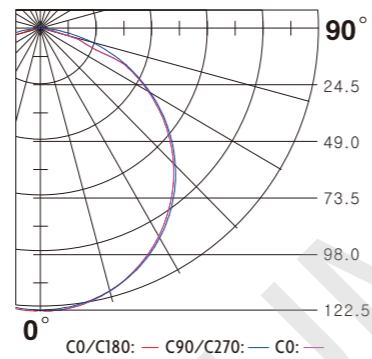
WHITE COLOR PARAMETERS

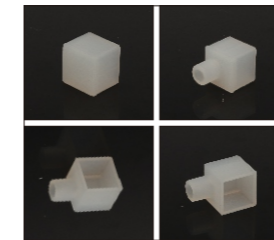| Part Number	CCT (K)	Efficacy (lm/w)	Lumen (lm/m)
NS-T0606-W17	1600–1900K	39.2	235
NS-T0606-W22	2100–2400K	54.2	325
NS-T0606-W24	2200–2600K	55.0	330
NS-T0606-W26	2400–2800K	56.2	337
NS-T0606-W28	2600–3000K	57.5	345
NS-T0606-W32	3000–3500K	58.0	348
NS-T0606-W38	3500–4200K	59.7	358
NS-T0606-W44	4000–4800K	58.8	353
NS-T0606-W56	5300–6000K	63.2	379

Accessory

Mounting accessories
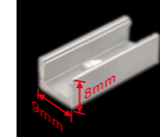
Mounting clip (length: 1.5cm)
Mounting channel (length: 1m, 2m, 3m)
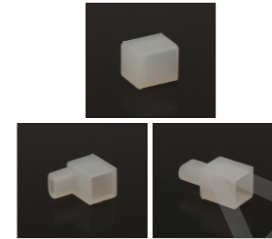
Endcap

Standard end cap

Wire cable
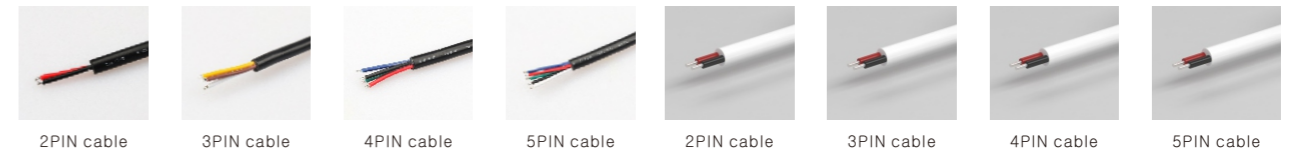
2PIN cable

Connector

2PIN connector
(Single color)

TOP / Vertical Bend T1010 NEON

▶ Regular power 5W/m and 10W/m for option
▶ Max length 5 meters with one end power
▶ Eight CCT optional from 2100K to 6000K

2100K 2400K 2700K 3000K 3500K 4000K 5000K 6000K

R P G B Y

One Bin | CRI >90 | Solvent resistant | Saltwater resistant | UV protected | Cuttable | 50000 hours Lifetime | LM80 Compliant | WARRANTY 3 YEARS

DIMENSIONS & WATERPROOF

Side view
13mm
13mm
5000mm
10mm
300mm
20mm
Ø4mm 2pins cable

Bottom view
13mm
13mm
10mm
7mm
20mm
Cutting length

100mm
Luminous surface
Min bending diameter

10mm
10mm

Luminous surface
10mm
Bend vertical only

PRODUCT SPECIFICATION

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

Color Type	Cutting length (mm)
Single color	35.7mm

POLAR CURVE (The data base on 10W 6000K)
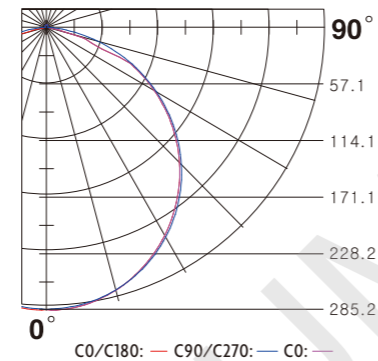
90°
57.1
114.1
171.1
228.2
285.2
0°

C0/C180: — C90/C270: — C0: —

WHITE COLOR PARAMETERS

Part Number	CCT (K)	Low power(5w/m) (lm/m)	(max length)	High power(10w/m) (lm/m)	(max length)
▶ NS-T1010-W21	2000~2200K	332.5	5m	644.1	5m
▶ NS-T1010-W24	2300~2500K	354.8	5m	684.7	5m
▶ NS-T1010-W27	2600~2800K	380.2	5m	737.9	5m
▶ NS-T1010-W30	2900~3100K	401.6	5m	785.9	5m
▶ NS-T1010-W35	3400~3700K	371.3	5m	718.7	5m
▶ NS-T1010-W40	3800~4300K	429.6	5m	828.8	5m
▶ NS-T1010-W50	4800~5300K	427.6	5m	827.7	5m
▶ NS-T1010-W60	5900~6400K	419.0	5m	810.6	5m
▶ NS-T1010-R	RED	153.7	5m	331.6	5m
▶ NS-T1010-G	GREEN	512.7	5m	920.8	5m
▶ NS-T1010-B	BLUE	93.96	5m	173.6	5m
▶ NS-T1010-Y	YELLOW	127.4	5m	268.1	5m
▶ NS-T1010-P	PINK	179.0	5m	347.5	5m

Accessory

Mounting accessories

Stainless Steel Mounting clips | Aluminium Profile | transparent plastic groove
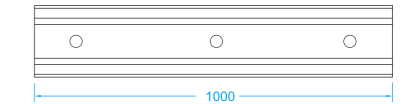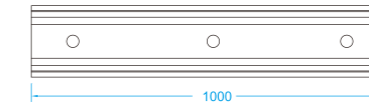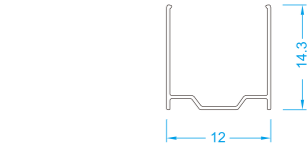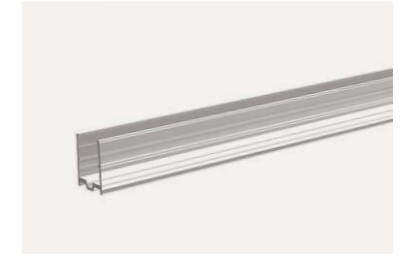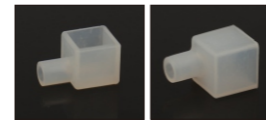
7.6
11.6
8

12.4
13

14.3
12

1000
1000

Endcap

Standard end cap

Wire cable

2PIN cable

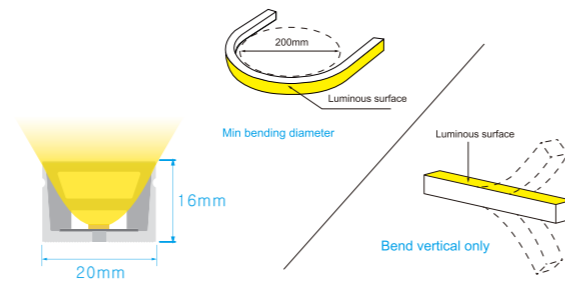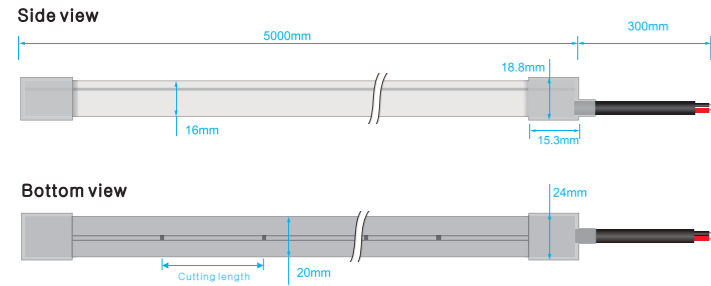### Connector

2PIN connector
(Single color)

TOP / Vertical Bend T1212 NEON

- Regular power 5W/m and 10W/m for option
- Max length 25 meters with one end power
- Soldering-free and silicone end cap
- Eight CCT optional from 2100K to 6150K

2100K 2400K 2700K 3000K 3500K 4050K 5050K 6150K | 2500K 5700K

R | P | G | B | Y | RGB

One Bin | CRI >90 | Solvent resistant | Saltwater resistant | UV protected | Cuttable | 50000 hours Lifetime | LM80 Compliant | 3 YEARS WARRANTY

DIMENSIONS & WATERPROOF

Top view
max length
12mm
Light surface
300mm
17mm
26.5mm

Side view
12mm
16mm
26.5mm
Cutting length

200mm
Luminous surface
Min bending diameter
12mm
12mm

Luminous surface
Bend vertical only

PRODUCT SPECIFICATION

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

Color Type	Cutting length(mm)
Single color	50mm
Tunable white	50mm
RGB color	62.5mm

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

90°
46.6
93.2
139.7
186.3
232.9
0°

C0/C180: — C90/C270: — C0: —

WHITE COLOR PARAMETERS

Part Number	CCT (K)	Low power(5w/m) (lm/m)	(max length)	High power(10w/m) (lm/m)	(max length)
NS-T1212-W21	2000–2200K	290.8	19m	559.8	13m
NS-T1212-W24	2300–2500K	289.6	19m	562.4	13m
NS-T1212-W27	2600–2800K	349.5	19m	668.3	13m
NS-T1212-W30	2900–3100K	329.7	19m	638.8	13m
NS-T1212-W35	3400–3700K	354.1	19m	661.7	13m
NS-T1212-W40	3800–4300K	347.1	19m	677.4	13m
NS-T1212-W50	4800–5300K	346.7	19m	681.9	13m
NS-T1212-W60	5900–6400K	336.2	19m	661.8	13m

TUNABLE COLOR PARAMETERS

Part Number	CCT (K)	Low power(5w/m) (lm/m)	(max length)	High power(10w/m) (lm/m)	(max length)
NS-T1212-TW	2500–2900K	151.2	5m	314.5	5m
NS-T1212-TW	5000–5700K	161.2	5m	336.6	5m
NS-T1212-TW	3600–4200K	316.0	5m	646.1	5m

RGB COLOR PARAMETERS

Part Number	Color (nm)	Low power(5w/m) (lm/m)	(max length)	High power(15w/m) (lm/m)	(max length)
NS-T1212-R	Red(620–625nm)	132.0	25m	276.7	17m
NS-T1212-G	Green(515–525nm)	374.0	19m	703.0	13m
NS-T1212-B	Blue(460–465nm)	70.0	19m	129.0	13m
NS-T1212-Y	Yellow(585–595nm)	27.9	25m	50.7	17m
NS-T1212-P	Pink	143.0	19m	278.0	13m
NS-T1212-RGB	RGB	174.0	5m	288.0	5m

Accessory

Mounting accessories
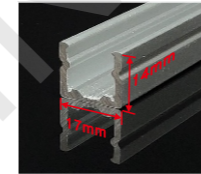
Mounting clip(length: 2cm)
Mounting channel(length: 1m, 2m.3m)
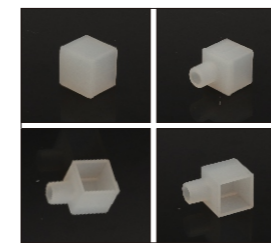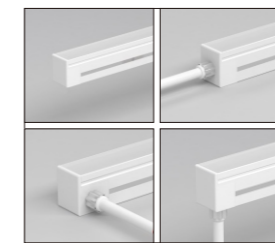
End cap

Standard end cap | Seamless end cap | Solderless end cap

Wire cable

2PIN cable | 3PIN cable | 4PIN cable

Anti syphon metal ring (Used with seamless end cap for outdoor)

2PIN cable | 3PIN cable | 4PIN cable

Connector

2PIN connector (Single color) | 3PIN connector (Tunable White) | 4PIN connector (RGB color)

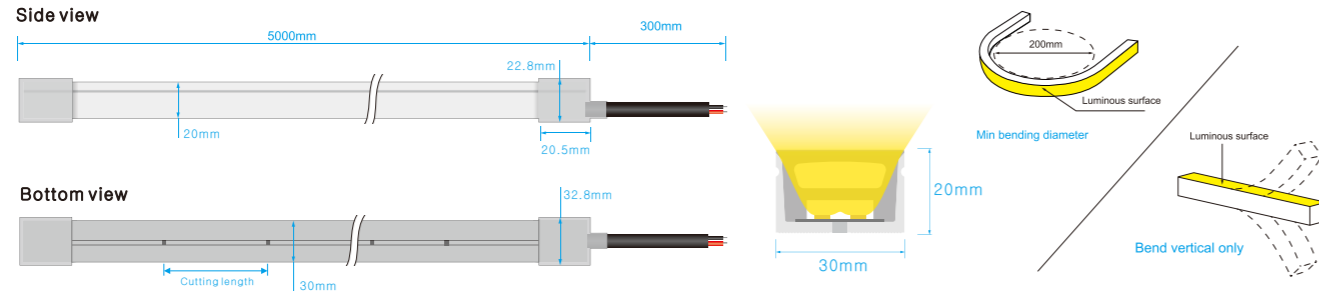# TOP / Vertical Bend T1615 NEON

▸ Regular power 5W/m,10W/m and 15W/m for option
▸ Max length 35 meters with one end power
▸ Soldering−free and silicone end cap
▸ Eight CCT optional from 2100K to 6150K

2100K 2400K 2700K 3000K 3550K 4050K 5050K 6150K 2500K 5800K

R P G B Y RGB RGBW

One Bin | CRI>90 | Solvent resistant | Saltwater resistant | UV protected / UV | Cuttable | 50000 hours Lifetime | LM80 Compliant | 3 YEARS WARRANTY

DIMENSIONS & WATERPROOF

Top view
20mm | 16mm | max length | 300mm
27.5mm | Light surface

Side view
19mm | 15mm
27.5mm | Cutting length

200mm | Luminous surface
15mm | 16mm | Min bending diameter
Luminous surface
Bend vertical only

PRODUCT SPECIFICATION

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

Color Type	Cutting length(mm)
Single color	50mm
Tunable white	50mm
RGB color	62.5mm
RGBW color	62.5mm

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

90°
55.1
110.2
165.2
220.3
275.4
0°

C0/C180: — C90/C270: — C0: —

WHITE COLOR PARAMETERS

Part Number	CCT (K)	Low power(5w/m) (lm/m)	(max length)	Medium power(10w/m) (lm/m)	(max length)	High power(15w/m) (lm/m)	(max length)
NS-T1615-W21	2000-2200K	240.3	27m	459.9	17m	627.5	14m
NS-T1615-W24	2300-2500K	242.0	27m	468.1	17m	659.7	14m
NS-T1615-W27	2600-2800K	285.8	27m	552.7	17m	771.5	14m
NS-T1615-W30	2900-3100K	286.3	27m	539.3	17m	766.9	14m
NS-T1615-W35	3400-3700K	300.7	27m	583.9	17m	815.8	14m
NS-T1615-W40	3800-4300K	294.1	27m	573.4	17m	807.0	14m
NS-T1615-W50	4800-5300K	297.8	27m	570.3	17m	793.9	14m
NS-T1615-W60	5900-6400K	293.9	27m	572.9	17m	782.6	14m

TUNABLE COLOR PARAMETERS

Part Number	CCT (K)	Low power(5w/m) (lm/m)	(max length)	Medium power(10w/m) (lm/m)	(max length)	High power(15w/m) (lm/m)	(max length)
NS-T1615-TW	2500-2900K	133.0	5m	274.0	5m	363.7	5m
NS-T1615-TW	5000-5800K	143.9	5m	295.1	5m	387.2	5m
NS-T1615-TW	3500-4200K	279.5	5m	569.6	5m	766.2	5m

RGB & RGBW COLOR PARAMETERS

Part Number	Color (nm)	Low power(5w/m) (lm/m)	(max length)	Medium power(10w/m) (lm/m)	(max length)	High power(15w/m) (lm/m)	(max length)
NS-T1615-R	Red(620-625nm)	111.6	35m	237.5	23m	323.2	18m
NS-T1615-G	Green(515-525nm)	308.0	27m	548.2	17m	697.4	14m
NS-T1615-B	Blue(460-465nm)	57.0	27m	106.9	17m	148.6	14m
NS-T1615-Y	Yellow(585-595nm)	25.6	35m	44.4	23m	61.0	18m
NS-T1615-P	Pink	116.7	27m	224.5	17m	302.2	14m
NS-T1615-RGB	RGB	147.8	5m	267.8	5m	323.5	5m
NS-T1615-RGBW	RGBW	189.5	5m	366.0	5m	496.4	5m

Note: RGB Constant Current version for option, Max length 13meters with one end power, power is 11w/m, lumen (lm/m) is R:41 R:66 G:220 B:35 RGB:320

Accessory

Mounting accessories
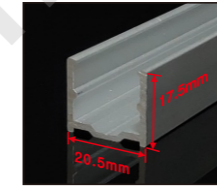
Mounting clip(length: 2cm)
Mounting channel(length: 1m, 2m,3m)

End cap
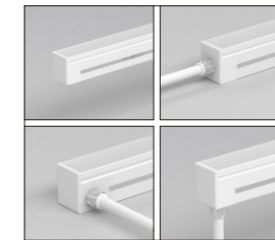
Standard end cap | Seamless end cap | Solderless end cap
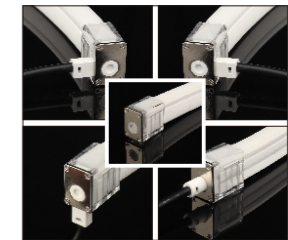
Wire cable

Anti syphon metal ring (Used with seamless end cap for outdoor)

2PIN cable | 3PIN cable | 4PIN cable | 5PIN cable | 2PIN cable | 3PIN cable | 4PIN cable | 5PIN cable

Connector

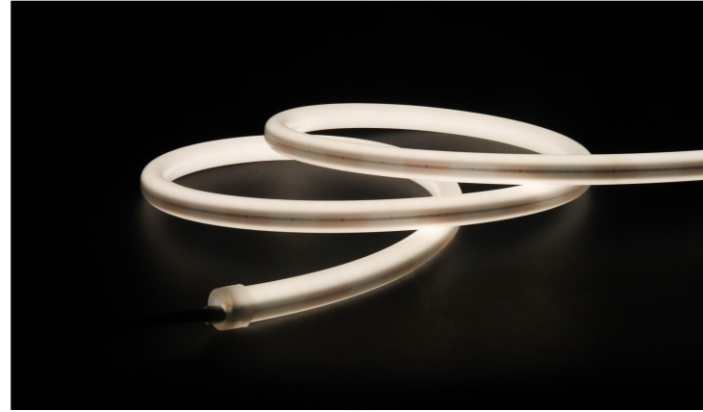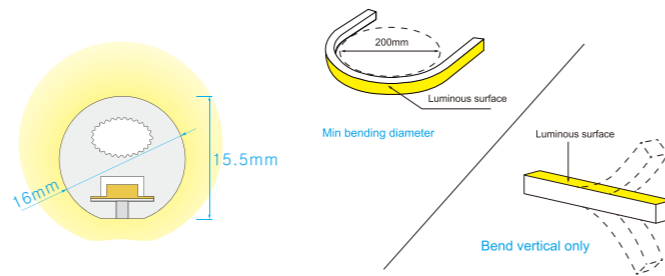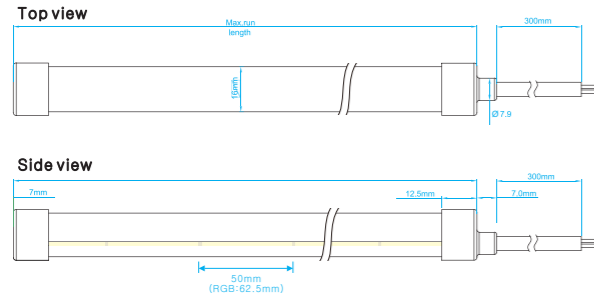2PIN connector (Single color) | 3PIN connector (Tunable White) | 4PIN connector (RGB color) | 5PIN connector (RGB+White color)

TOP / Vertical Bend T2016 NEON

- Regular power 12W/m,16W/m and 20W/m for option
- Max length 17 meters with one end power
- Eight CCT optional from 2100K to 6000K

2100K 2400K 2700K 3000K 3500K 4000K 5000K 6000K | 3000K 6000K

R | P | G | B | Y | RGB | RGBW

One Bin | CRI >90 | Solvent resistant | Saltwater resistant | UV protected | Cuttable | 50000 hours Lifetime | LM80 Compliant | 3 YEARS WARRANTY

DIMENSIONS & WATERPROOF

Side view
5000mm | 300mm | 18.8mm | 16mm | 15.3mm

Bottom view
24mm | 20mm | Cutting length

200mm | Luminous surface | Min bending diameter | 16mm | 20mm

Luminous surface | Bend vertical only

PRODUCT SPECIFICATION

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

Color Type	Cutting length (mm)
Single color	50mm
Tunable white	50mm
RGB color	62.5mm
RGBW color	62.5mm

POLAR CURVE (The data base on 20W 6000K)

90°
83.4
166.8
250.2
333.6
417.0
0°

C0/C180: — C90/C270: — C0: —
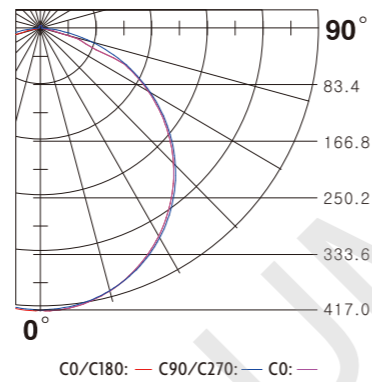
WHITE COLOR PARAMETERS

Part Number	CCT (K)	Low power(12w/m) (lm/m)	(max length)	Medium power(16w/m) (lm/m)	(max length)	High power(20w/m) (lm/m)	(max length)
NS-T2016-W21	2000−2200K	608	17m	792	14m	942	12m
NS-T2016-W24	2300−2500K	651	17m	837	14m	1010	12m
NS-T2016-W27	2600−2800K	733	17m	945	14m	1136	12m
NS-T2016-W30	2900−3100K	724	17m	937	14m	1119	12m
NS-T2016-W35	3400−3700K	680	17m	886	14m	1058	12m
NS-T2016-W40	3800−4300K	783	17m	1009	14m	1220	12m
NS-T2016-W50	4800−5300K	773	17m	997	14m	1207	12m
NS-T2016-W60	5900−6400K	767	17m	999	14m	1185	12m

TUNABLE COLOR PARAMETERS

Part Number	CCT (K)	Low power(12w/m) (lm/m)	(max length)	Medium power(16w/m) (lm/m)	(max length)	High power(20w/m) (lm/m)	(max length)
NS-T2016-TW	2500−2900K	384	5m	498	5m	617	5m
NS-T2016-TW	5000−5800K	395	5m	524	5m	642	5m
NS-T2016-TW	3500−4200K	785	5m	1013	5m	1258	5m

RGB & RGBW COLOR PARAMETERS

Part Number	Color (nm)	Low power(12w/m) (lm/m)	(max length)	Medium power(16w/m) (lm/m)	(max length)	High power(20w/m) (lm/m)	(max length)
NS-T2016-R	Red(620−625nm)	335	25m	458	21m	524	18m
NS-T2016-G	Green(515−525nm)	788	17m	973	14m	1134	12m
NS-T2016-B	Blue(460−465nm)	169	17m	214	14m	262	12m
NS-T2016-Y	Yellow(585−595nm)	270	25m	335	21m	344	18m
NS-T2016-P	Pink	325	17m	412	14m	502	12m
NS-T2016-RGB	RGB	360.2	5m	449.4	5m	518.4	5m
NS-T2016-RGBW	RGBW	479.6	5m	635.1	5m	739.6	5m

Accessory

Mounting accessories
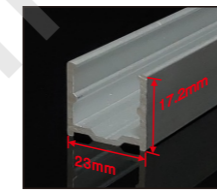
Mounting clip(length: 2cm)
Mounting channel(length: 1m, 2m,3m)

Endcap

Endcap without hole | Outlet from the end

Standard end cap

Wire cable

2PIN cable | 3PIN cable | 4PIN cable | 5PIN cable

Connector

2PIN connector (Single color) | 3PIN connector (Tunable White) | 4PIN connector (RGB color) | 5PIN connector (RGB+White color)

TOP / Vertical Bend T3020 NEON

- Regular power 16W/m,20W/m and 24W/m for option
- Max length 25 meters with one end power
- Eight CCT optional from 2100K to 6000K

2100K 2400K 2700K 3000K 3500K 4000K 5000K 6000K | 3000K 6000K

R | P | G | B | Y | RGB | RGBW

One Bin | CRI>90 | Solvent resistant | Saltwater resistant | UV protected | Cuttable | 50000 hours Lifetime | LM80 Compliant | 3 YEARS WARRANTY

DIMENSIONS & WATERPROOF

Side view
5000mm
300mm
22.8mm
20mm
20.5mm

Bottom view
32.8mm
Cutting length
30mm

200mm
Luminous surface
Min bending diameter
20mm
30mm

Luminous surface
Bend vertical only

PRODUCT SPECIFICATION

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

Color Type	Cutting length (mm)
Single color	50mm
Tunable white	41.66mm
RGB color	41.66mm
RGBW color	41.66mm

POLAR CURVE (The data base on 20W 6000K)
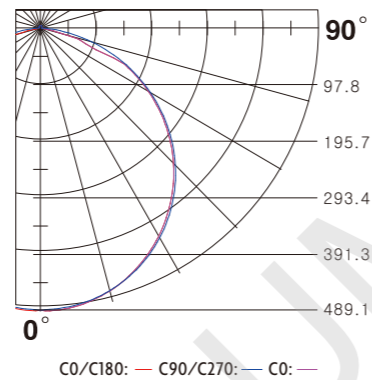
90°
97.8
195.7
293.4
391.3
489.1
0°

C0/C180: — C90/C270: — C0: —

WHITE COLOR PARAMETERS

Part Number	CCT (K)	Low power(16w/m) (lm/m)	(max length)	Medium power(20w/m) (lm/m)	(max length)	High power(24w/m) (lm/m)	(max length)
NS-T3020-W21	2000–2200K	836.9	18m	1017	16m	1196	14m
NS-T3020-W24	2300–2500K	855.5	18m	1040.6	16m	1226	14m
NS-T3020-W27	2600–2800K	991	18m	1209.6	16m	1426	14m
NS-T3020-W30	2900–3100K	1001	18m	1222	16m	1439	14m
NS-T3020-W35	3400–3700K	925.7	18m	1129.4	16m	1333	14m
NS-T3020-W40	3800–4300K	1050	18m	1280	16m	1511	14m
NS-T3020-W50	4800–5300K	1067	18m	1298	16m	1534	14m
NS-T3020-W60	5900–6400K	962.6	18m	1176	16m	1390	14m

TUNABLE COLOR PARAMETERS

Part Number	CCT (K)	Low power(16w/m) (lm/m)	(max length)	Medium power(20w/m) (lm/m)	(max length)	High power(24w/m) (lm/m)	(max length)
NS-T3020-TW	2700–3000K	500.5	5m	609.7	5m	722.2	5m
NS-T3020-TW	5600–6300K	528.5	5m	651.1	5m	769.5	5m
NS-T3020-TW	3800–4300K	1008	5m	1232.8	5m	1457	5m

RGB & RGBW COLOR PARAMETERS

Part Number	Color (nm)	Low power(16w/m) (lm/m)	(max length)	Medium power(20w/m) (lm/m)	(max length)	High power(24w/m) (lm/m)	(max length)
NS-T3020-R	Red(620–625nm)	435.4	25m	530	22m	617.5	19m
NS-T3020-G	Green(515–525nm)	1071	18m	1243	16m	1445	14m
NS-T3020-B	Blue(460–465nm)	221.7	18m	268.2	16m	314.3	14m
NS-T3020-Y	Amber	352.8	25m	338	22m	367.8	19m
NS-T3020-P	Pink	431.3	18m	518.8	16m	613.2	14m
NS-T3020-RGB	RGB	461.3	5m	536	5m	614	5m
NS-T3020-RGBW	RGBW	591.3	5m	719.8	5m	840.7	5m

Accessory

Mounting accessories
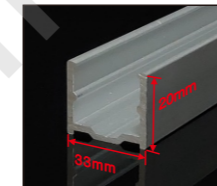
Mounting clip(length: 2cm)
Mounting channel(length: 1m, 2m,3m)
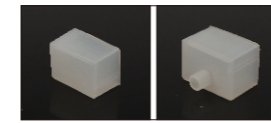
Endcap

Endcap without hole | Outlet from the end
Standard end cap

Wire cable

2PIN cable | 3PIN cable | 4PIN cable | 5PIN cable

Connector

2PIN connector (Single color) | 3PIN connector (Tunable White) | 4PIN connector (RGB color) | 5PIN connector (RGB+White color)

TOP / Vertical Bend D16 NEON

▶ Regular power 5W/m and 10W/m for option
▶ Max length 25 meters with one end power
▶ Eight CCT optional from 2100K to 6000K

2100K 2400K 2700K 3000K 3500K 4000K 5000K 6000K 2700K 5400K

R P G B Y RGB

One Bin | CRI >90 | Solvent resistant | Saltwater resistant | UV protected | Cuttable | 50000 Hours Lifetime | LM80 Compliant | 3 YEARS WARRANTY

DIMENSIONS & WATERPROOF

Top view
Max.run length
300mm
Ø7.9
15mm

Side view
7mm 12.5mm 300mm 7.0mm
50mm
(RGB:62.5mm)

200mm
Luminous surface

15.5mm
16mm

Min bending diameter

Luminous surface
Bend vertical only

PRODUCT SPECIFICATION

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

Color Type	Cutting length (mm)
Single color	50mm
Tunable white	50mm
RGB color	62.5mm

POLAR CURVE (The data base on 10W 4000K)

90°
51.9
103.8
155.6
207.5
259.3
0°

C0/C180: — C90/C270: — C0: —
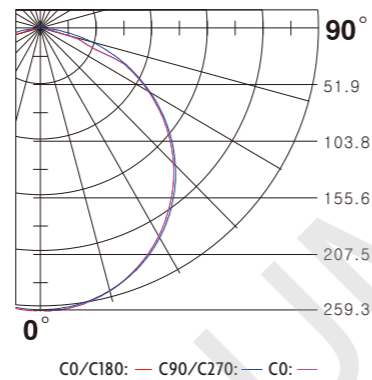
WHITE COLOR PARAMETERS

Part Number	CCT (K)	Low power(5w/m) (lm/m)	(max length)	High power(10w/m) (lm/m)	(max length)
NS-D16-W21	2000-2200K	284	19m	558	13m
NS-D16-W24	2300-2500K	306	19m	591	13m
NS-D16-W27	2600-2800K	340	19m	663	13m
NS-D16-W30	2900-3100K	338	19m	653	13m
NS-D16-W35	3400-3700K	324	19m	626	13m
NS-D16-W40	3800-4300K	365	19m	707	13m
NS-D16-W50	4800-5300K	374	19m	734	13m
NS-D16-W60	5900-6300K	378	19m	735	13m

TUNABLE COLOR PARAMETERS

Part Number	CCT (K)	Low power(5w/m) (lm/m)	(max length)	High power(10w/m) (lm/m)	(max length)
NS-D16-TW	2600-2900K	172	5m	366	5m
NS-D16-TW	5800-6300K	179	5m	377	5m
NS-D16-TW	3800-4200K	352	5m	726	5m

RGB COLOR PARAMETERS

Part Number	Color (nm)	Low power(5w/m) (lm/m)	(max length)	High power(10w/m) (lm/m)	(max length)
NS-D16-R	Red(620-625nm)	139	25m	305	17m
NS-D16-G	Green(515-525nm)	408	19m	778	13m
NS-D16-B	Blue(460-465nm)	85	19m	155	13m
NS-D16-Y	Yellow(585-595nm)	112	25m	235	17m
NS-D16-P	Pink	156	19m	328	13m
NS-D16-RGB	RGB	199	5m	344	5m

Accessory

Mounting accessories
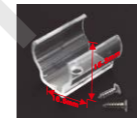
Mounting clip
(Size: 15.3*16.6*20mm/1000mm)

Endcap
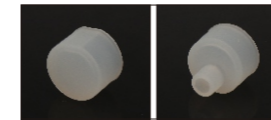
Endcap without hole Outlet from the end
Standard end cap

Wire cable

2PIN cable 3PIN cable 4PIN cable

Connector

2PIN connector (Single color) 3PIN connector (Tunable White) 4PIN connector (RGB color)

360° Silicone NEON Φ25 NEON

- Regular power 5W/m and 10W/m for option
- 360° uniform round-glowing design
- Eight CCT optional from 2400K to 6000K
- Max length 5 meters with one end power

2400K 2700K 3000K 3500K 4000K 5000K 6000K | 2400K 6000K | RGB

R P G B Y

One Bin | CRI >90 | Solvent resistant | Saltwater resistant | UV protected | Uncuttable | 50000 hours Lifetime | LM80 Compliant | WARRANTY 3 YEARS
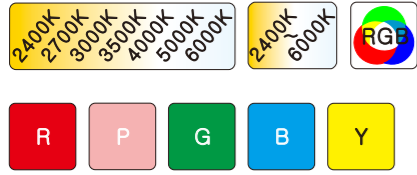
DIMENSIONS & WATERPROOF

Regular product size

2mm 5000mm 2mm 6mm 300mm

Hanging product size

2mm 5000mm 2mm 6mm 300mm
18mm 18mm 11.3mm

φ25mm

Product diameter

Cable outlet way:Top straight out

Cable outlet way:Top straight out

φ>200mm

Min bending diameter
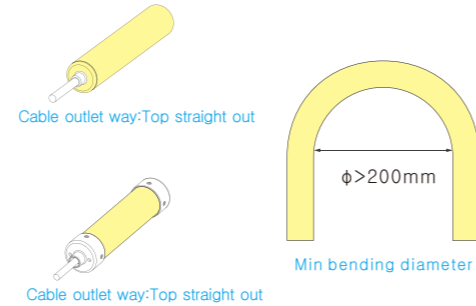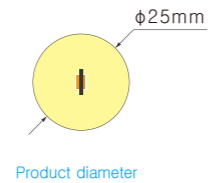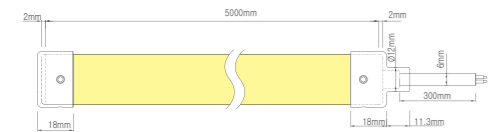
PRODUCT SPECIFICATION

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

Color Type	Unit length (m)
Single color	50mm
Tunable white	50mm
RGB color	50mm

Note: Only support factory-customized length, not on-site cutting!

POLAR CURVE (The data base on 10W 6000K)
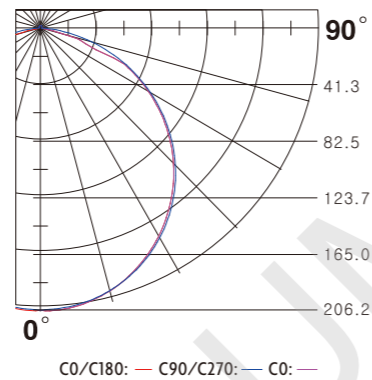
90°
41.3
82.5
123.7
165.0
206.2
0°

C0/C180: — C90/C270: — C0: —

WHITE COLOR PARAMETERS

Part Number	CCT (K)	Low power(5w/m)		High power(10w/m)	
		(lm/m)	(max length)	(lm/m)	(max length)
NS-Φ25-W24	2300-2500K	272	5m	525	5m
NS-Φ25-W27	2600-2800K	276	5m	517	5m
NS-Φ25-W30	2900-3100K	284	5m	529	5m
NS-Φ25-W35	3300-3700K	306	5m	600	5m
NS-Φ25-W40	3700-4300K	298	5m	556	5m
NS-Φ25-W50	4700-5300K	309	5m	604	5m
NS-Φ25-W60	5700-6300K	302	5m	586	5m

TUNABLE COLOR PARAMETERS

Part Number	CCT (K)	Low power(5w/m)		High power(10w/m)	
		(lm/m)	(max length)	(lm/m)	(max length)
NS-D25-TW	2700 (ww)	124	5m	258	5m
NS-D25-TW	5000 (w)	127	5m	262	5m
NS-D25-TW	3500(WW+W)	250	5m	517	5m

PRODUCT PHOTOMETRICS (The data base on IP20 RGB)

Color	Power (w/m)	Lumen (lm/m)	Efficacy (lm/w)	Wavelength (nm)	CCT (K)	CRI
Red	3.029	63.29	20.90	620.6~628.7	1001	32.7
Green	3.840	245.40	63.92	523.9~531.2	7497	0.0
Blue	3.523	41.10	11.67	465.0~469.3	100000	3.4
RGB	10.40	347.40	33.42	464.0~487.8	12334	74.2

Product accessories information

PC transparent clip L20*W30*H25.5mm

30mm 25.5 20mm
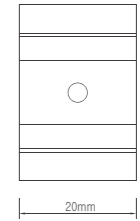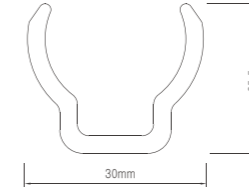
Hanging accessories

Hanging plug

Hanging endcap

18mm 27.6mm 29.3mm

18mm 27.6mm
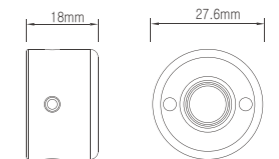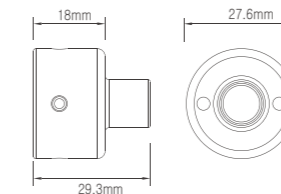
ADDRESSABLE SERIES

Addressable LED Neon Flex offers the possibility to create complex lighting effects, and comes in both DMX512 and SPI addressable options.

DMX512 & SPI Addressable Neon Flex

SPI (Single data cable)

Simple application, only need a single data cable can complete the transmission of data.

SPI (Dual data cable)

With dual data cable, the main data cable can be automatically switched to the standby data cable when the fault occurs, enhance thereliability of data transmission, which is also called breakpoint resume transmission.

DMX512

Compatible with international standard protocol DMX512 (1990). Adopting signal differential transmission mode, to ensure stronger anti-interference ability and longer transmission distance.
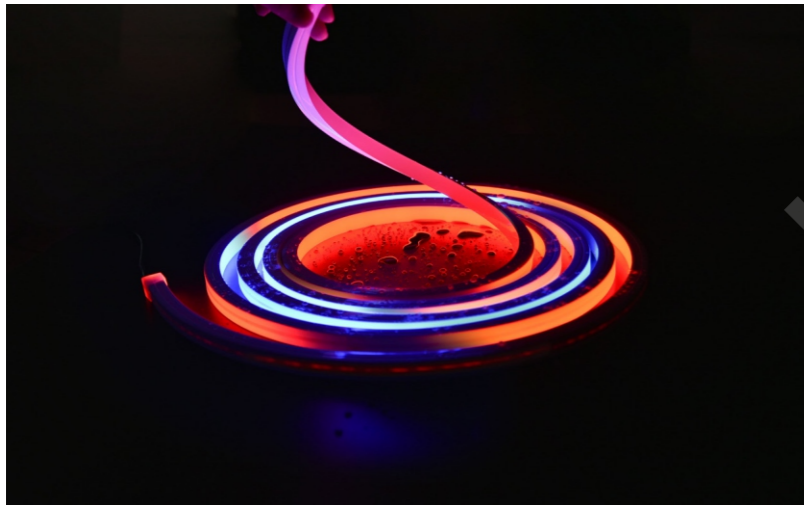
Product List

Model	Voltage (V)	Power (W/M)	Lumen (LM/M)	Efficiency (LM/W)	Pixel (PCS)	Unit length (mm)	IC Model	Page
NS-T1615-RGB-WS2818	DC24V	12	262	21.8	8	125	UCS2603 WS2818	
NS-T1615-RGBW-UCS2904	DC24V	14.5	342	23.6	8	125	UCS2904	03
NS-T1615-RGB-DMX512	DC24V	12	266	22.2	8	125	UCS512C2L	
NS-T1615-RGBW-DMX512	DC24V	15	329	21.9	8	125	UCS512C2L	
NS-S1220-RGB-WS2818	DC24V	12	159	13.3	8	125	UCS2603 WS2818	
NS-S1220-RGBW-UCS2904	DC24V	14.5	218	15.0	8	125	UCS2904	05
NS-S1220-RGB-DMX512	DC24V	12	161	13.4	8	125	UCS512C2L	
NS-S1220-RGBW-DMX512	DC24V	15	211	14.1	8	125	UCS512C2L	
NS-S1225-RGB-WS2818	DC24V	12	145	12.1	8	125	UCS2603 WS2818	
NS-S1225-RGBW-UCS2904	DC24V	14.5	200	13.8	8	125	UCS2904	07
NS-S1225-RGB-DXM512	DC24V	12	148	12.3	8	125	UCS512C2L	
NS-S1225-RGBW-DXM512	DC24V	15	208	13.9	8	125	UCS512C2L	
NS-T1212-RGB-WS2811	DC24V	12.5	266	21.3	10	100	WS2811	09
NS-S0612-RGB-WS2811	DC24V	12.5	162	13.0	10	100	WS2811	10
NS-S0817-RGB-WS2811	DC24V	12.5	152	12.2	10	100	WS2811	11
NS-T1010-RGB-WS2811	DC24V	12.5	304	24.3	10	100	WS2811	12
NS-D16-RGB-WS2811	DC24V	12.5	294	23.5	10	100	WS2811	13
NS-S0612D-RGB-WS2811	DC24V	12.5	266	21.3	10	100	WS2811	14
NS-ND25-RGB-WS2811	DC24V	25	474	19	10	100	WS2811	15

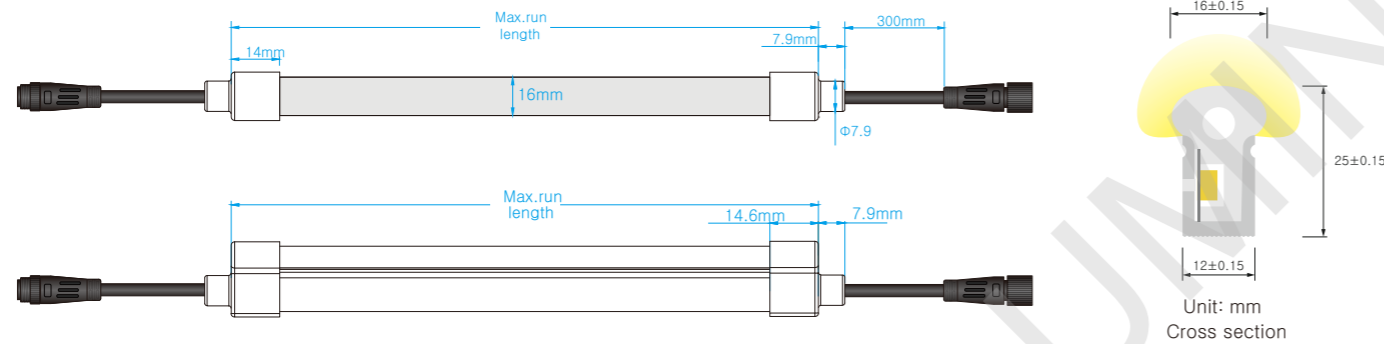# DMX512 & SPI Addressable Neon Flex NS-S0612

Product Features

It is made of Dow Chemical SILASTIC™ ET-7021 silicone rubber, which provides high transparency and high strength.

Environmental protection grade silicone material, integrated extrusion molding process.

Unique optical light distribution structure design, uniform lighting surface and no shadow.

IP67 protection level, salt solution resistance, weak acid and alkali corrosion and UV.

Excellent toughness, simple and stylish appearance, delicate and unique.

3 years warranty, working life ≥30000 hours;

Dimension structure

Unit: mm
Cross section

Cable

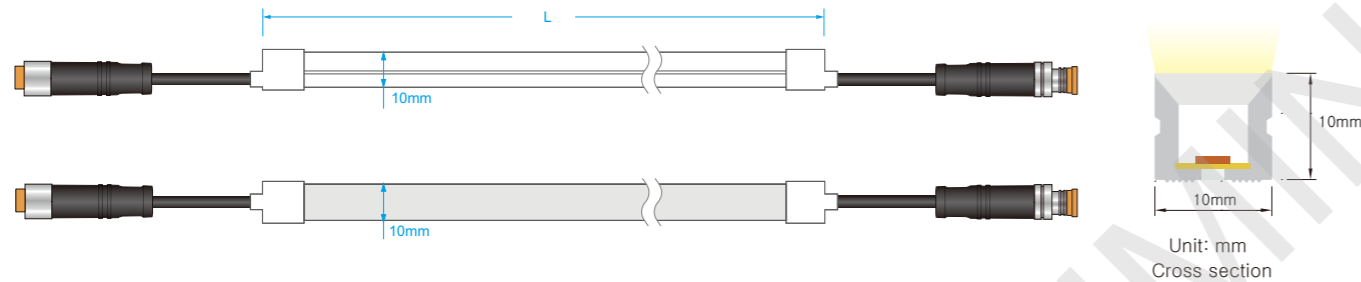| Cable Type	Schematic Diagram	Specification	Core	Electrical Properties
PVC Cable	38 40.7	OD：4.0mm	●●●	SPI (Single data cable)：Red V+, Green DI/DO, Black V-

RGB

Voltage (V)	Power (W/M)	CCT/Color	Lumen (LM/M)	Efficiency (LM/W)	Pixel (PCS)	Unit length (mm)	Signal Type	IC Model
DC24V	4.8	R	42	8.8	10	100	SPI (Single data cable)	WS2811
	4.8	G	122	25.4				
	4.8	B	22	4.6				
	12.5	RGB	162	13.0				

DMX512 & SPI Addressable Neon Flex NS-S0817

Product Features

It is made of Dow Chemical SILASTIC™ ET-7021 silicone rubber, which provides high transparency and high strength.

Environmental protection grade silicone material, integrated extrusion molding process.

Unique optical light distribution structure design, uniform lighting surface and no shadow.

IP67 protection level, salt solution resistance, weak acid and alkali corrosion and UV.

Excellent toughness, simple and stylish appearance, delicate and unique.

3 years warranty, working life ≥30000 hours;
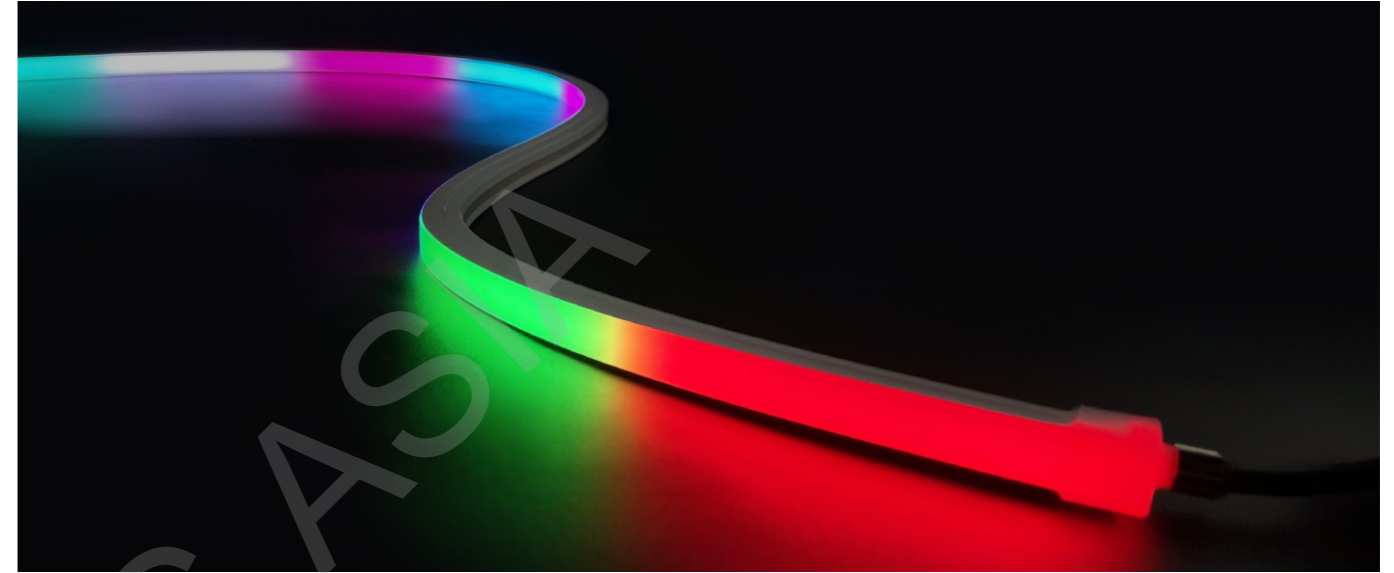
Dimension structure

Unit: mm
Cross section

Cable

Cable Type	Schematic Diagram	Specification	Core	Electrical Properties
PVC Cable	40 40	OD：5.0mm	●●●	SPI (Single data cable)：Red V+, Green DI/DO, Black V-

RGB

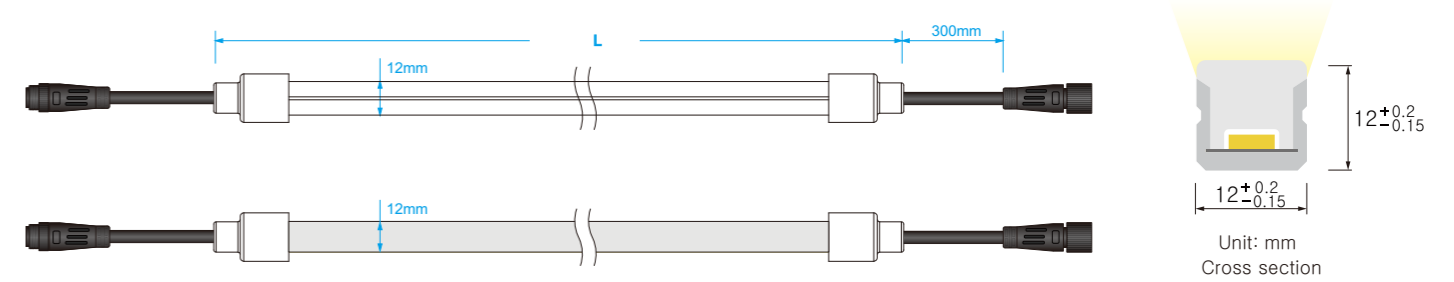| Voltage (V)	Power (W/M)	CCT/Color	Lumen (LM/M)	Efficiency (LM/W)	Pixel (PCS)	Unit length (mm)	Signal Type	IC Model
DC24V	4.8	R	36	7.5	10	100	SPI (Single data cable)	WS2811
	4.8	G	114	23.8				
	4.8	B	19	4.0				
	12.5	RGB	152	12.2				

Product Features

It is made of Dow Chemical SILASTIC™ ET-7021 silicone rubber, which provides high transparency and high strength.
Environmental protection grade silicone material, integrated extrusion molding process.
Unique optical light distribution structure design, uniform lighting surface and no shadow.
IP67 protection level, salt solution resistance, weak acid and alkali corrosion and UV.
Excellent toughness, simple and stylish appearance, delicate and unique.
3 years warranty, working life ≥30000 hours;
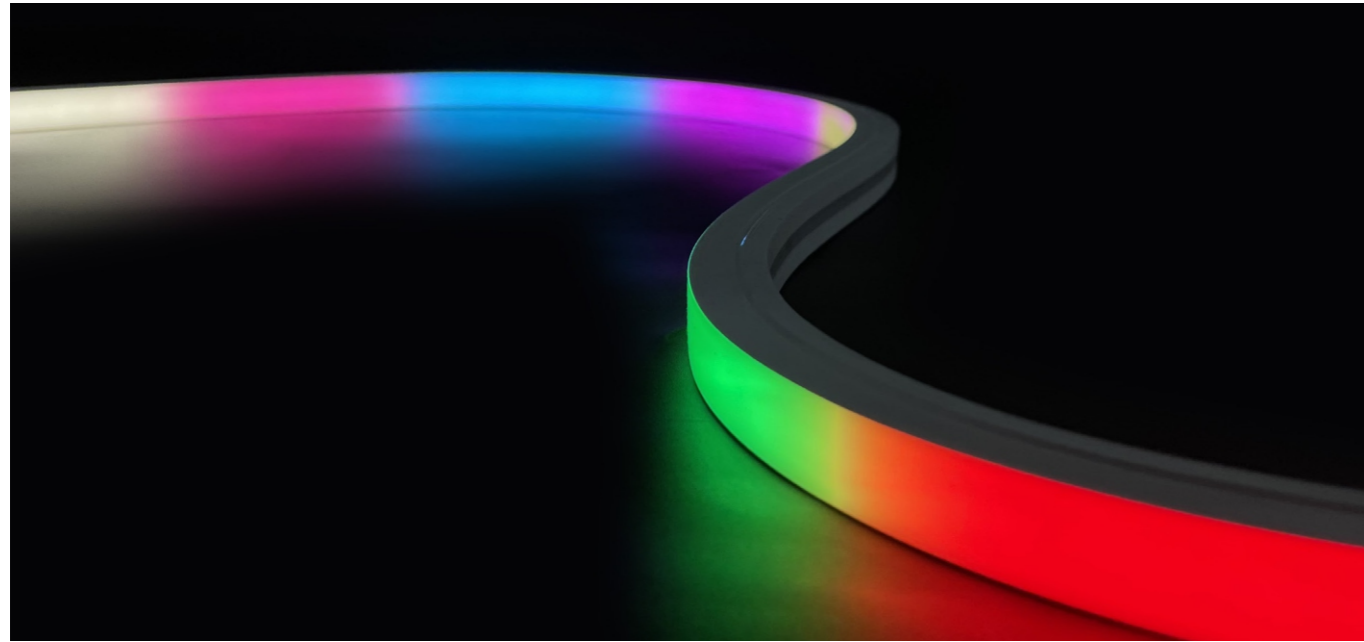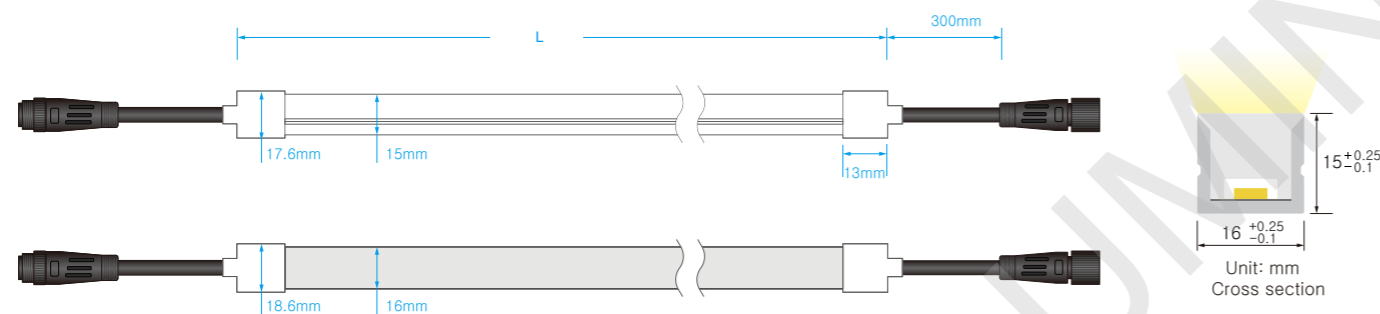
Dimension structure

300mm

L

20mm

20±0.15

12mm

12±0.15

Unit: mm
Cross section

Cable

Cable Type	Schematic Diagram	Specification	Core	Electrical Properties
PVC Cable		OD : 5.0mm	●●●	SPI (Single data cable)：Red V+, Green DI/DO, Black V−
		OD : 5.5mm	●●●●	SPI (Dual data cable)： Red V+, Green BI/BO, Blue DI/DO, Black V−
	40　40　15	OD : 5.5mm	●●●●○●	DMX512： Red V+, Green PI/PO, Blue AI/AO, White BI/BO, Black V−
Silicone Cable		OD : 5.0mm	●●●	SPI：Red V+, Green DI/DO, Black V−
		OD : 6.0mm	●●●●	Breakpoint Transmission： RedV+, Green BI/BO, Blue DI/DO, Black V−
	40　40　15	OD : 6.0mm	●●●○●	DMX512： RedV+, Green PI/PO, Blue AI/AO, White BI/BO, Black V−

RGB (NS-S1220-RGB-WS2818)

Voltage (V)	Power (W/M)	CCT/Color	Lumen (LM/M)	Efficiency (LM/W)	Pixel (PCS)	Unit length (mm)	Signal Type	IC Model
DC24V	5	R	28	5.6	8	125	SPI (Dual data cable)	UCS2603/WS2818
	5	G	110	22.1				
	5	B	20	4.0				
	12	RGB	159	13.2				

RGBW (NS-S1220-RGBW-UCS2904)

Voltage (V)	Power (W/M)	CCT/Color	Lumen (LM/M)	Efficiency (LM/W)	Pixel (PCS)	Unit length (mm)	Signal Type	IC Model
DC24V	4.8	R	29	6.0	8	125	SPI (Single data cable)	UCS2904
	4.8	G	78	16.3				
	4.8	B	23	4.8				
	4.8	W(4000K)	96	20.0				
	14.5	RGBW	218	15.0				

RGB (NS-S1220-RGB-DMX512)

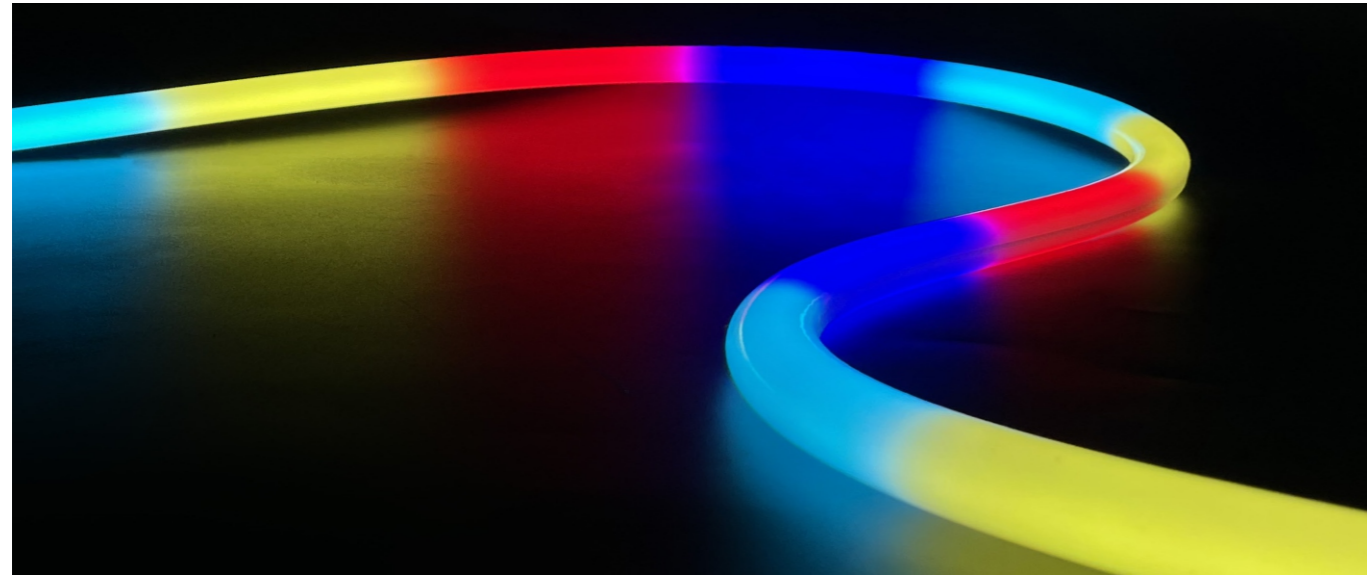| Voltage (V)	Power (W/M)	CCT/Color	Lumen (LM/M)	Efficiency (LM/W)	Pixel (PCS)	Unit length (mm)	Signal Type	IC Model
DC24V	4.8	R	30	6.3	8	125	DMX512	UCS512C2L
	4.8	G	115	24.0				
	4.8	B	20	4.2				
	12	RGB	161	13.4				

RGBW (NS-S1220-RGBW-DMX512)

Voltage (V)	Power (W/M)	CCT/Color	Lumen (LM/M)	Efficiency (LM/W)	Pixel (PCS)	Unit length (mm)	Signal Type	IC Model
DC24V	4.8	R	28	5.8	8	125	DMX512	UCS512C2L
	4.8	G	80	16.7				
	4.8	B	16	3.3				
	4.8	W(4000K)	96	20.0				
	15	RGBW	211	14.1				
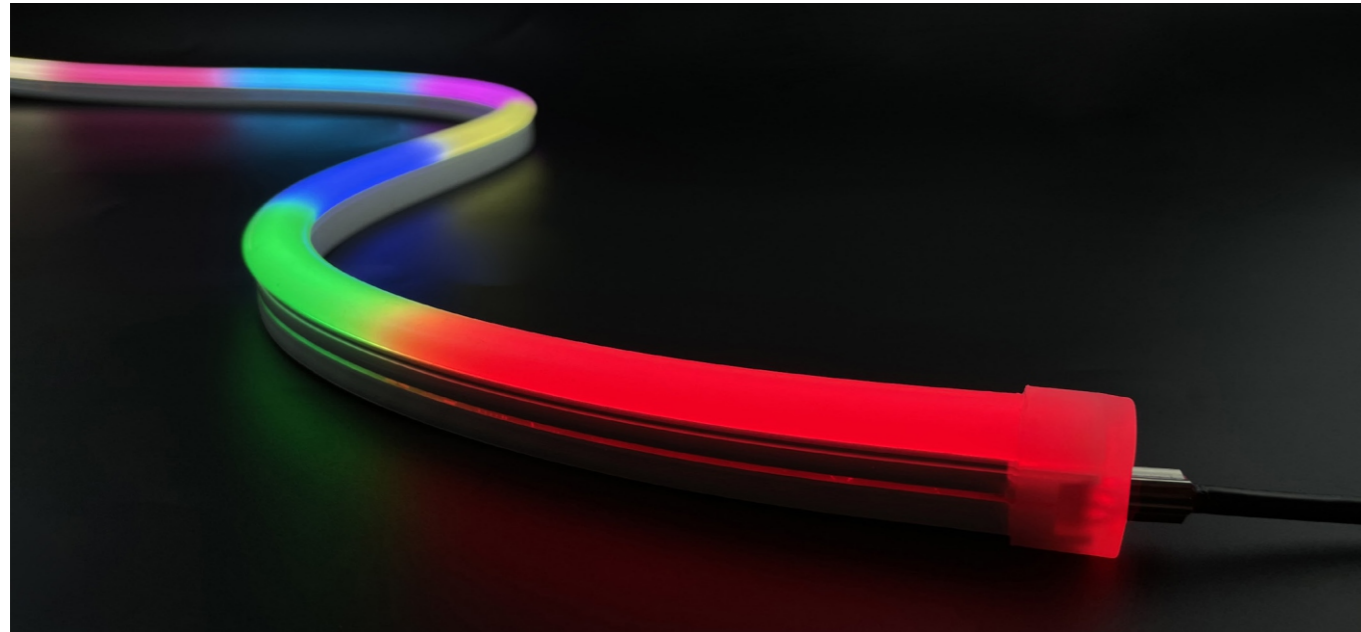
Product Features

It is made of Dow Chemical SILASTIC™ ET-7021 silicone rubber, which provides high transparency and high strength.

Environmental protection grade silicone material, integrated extrusion molding process.

Unique optical light distribution structure design, uniform lighting surface and no shadow.

IP67 protection level, salt solution resistance, weak acid and alkali corrosion and UV.

Excellent toughness, simple and stylish appearance, delicate and unique.

3 years warranty, working life ≥30000 hours;

Dimension structure

Cable

Cable Type	Schematic Diagram	Specification	Core	Electrical Properties
PVC Cable		OD：5.0mm	●●●	SPI (Single data cable)：Red V+，Green DI/DO，Black V-
		OD：5.5mm	●●●●	SPI (Dual data cable)：Red V+，Green BI/BO，Blue DI/DO，Black V-
		OD：5.5mm	●●●○●	DMX512：Red V+，Green PI/PO，Blue AI/AO，White BI/BO，Black V-
Silicone Cable		OD：5.0mm	●●●	SPI：Red V+，Green DI/DO，Black V-
		OD：6.0mm	●●●●	Breakpoint Transmission：RedV+，Green BI/BO，Blue DI/DO，Black V-
		OD：6.0mm	●●●○●	DMX512：RedV+，Green PI/PO，Blue AI/AO，White BI/BO，Black V-

RGB (NS-S1225-RGB-WS2818)

Voltage (V)	Power (W/M)	CCT/Color	Lumen (LM/M)	Efficiency (LM/W)	Pixel (PCS)	Unit length (mm)	Signal Type	IC Model
DC24V	5	R	25	5.0	8	125	SPI (Dual data cable)	UCS2603/WS2818
	5	G	102	20.4				
	5	B	19	3.8				
	12	RGB	145	12.1				

RGBW (NS-S1225-RGBW-UCS2904)

Voltage (V)	Power (W/M)	CCT/Color	Lumen (LM/M)	Efficiency (LM/W)	Pixel (PCS)	Unit length (mm)	Signal Type	IC Model
DC24V	4.8	R	24	5.0	8	125	SPI (Single data cable)	UCS2904
	4.8	G	72	15.0				
	4.8	B	22	4.6				
	4.8	W(4000K)	87	18.1				
	14.5	RGBW	200	13.8				

RGB (NS-S1225-RGB-DXM512)

Voltage (V)	Power (W/M)	CCT/Color	Lumen (LM/M)	Efficiency (LM/W)	Pixel (PCS)	Unit length (mm)	Signal Type	IC Model
DC24V	4.8	R	27	5.6	8	125	DMX512	UCS512C2L
	4.8	G	107	22.3				
	4.8	B	19	4.0				
	12	RGB	148	12.3				

RGBW (NS-S1225-RGBW-DXM512)

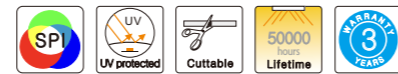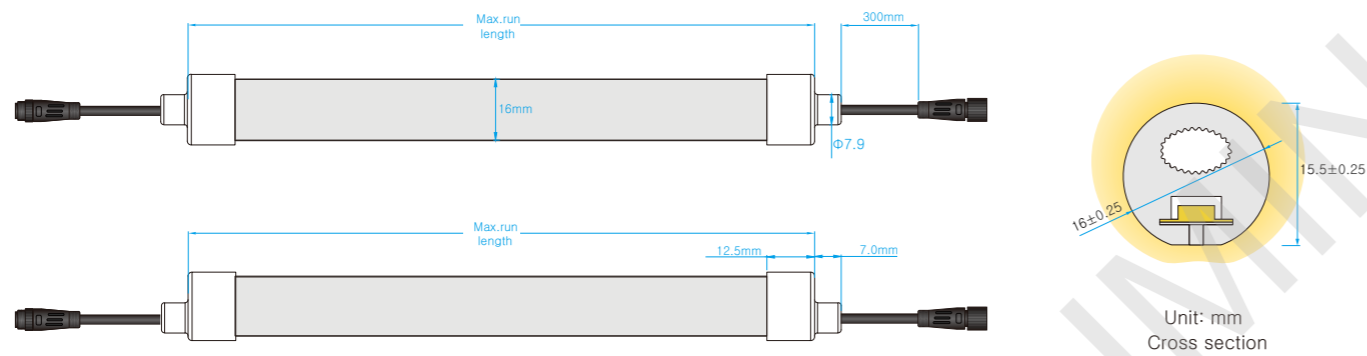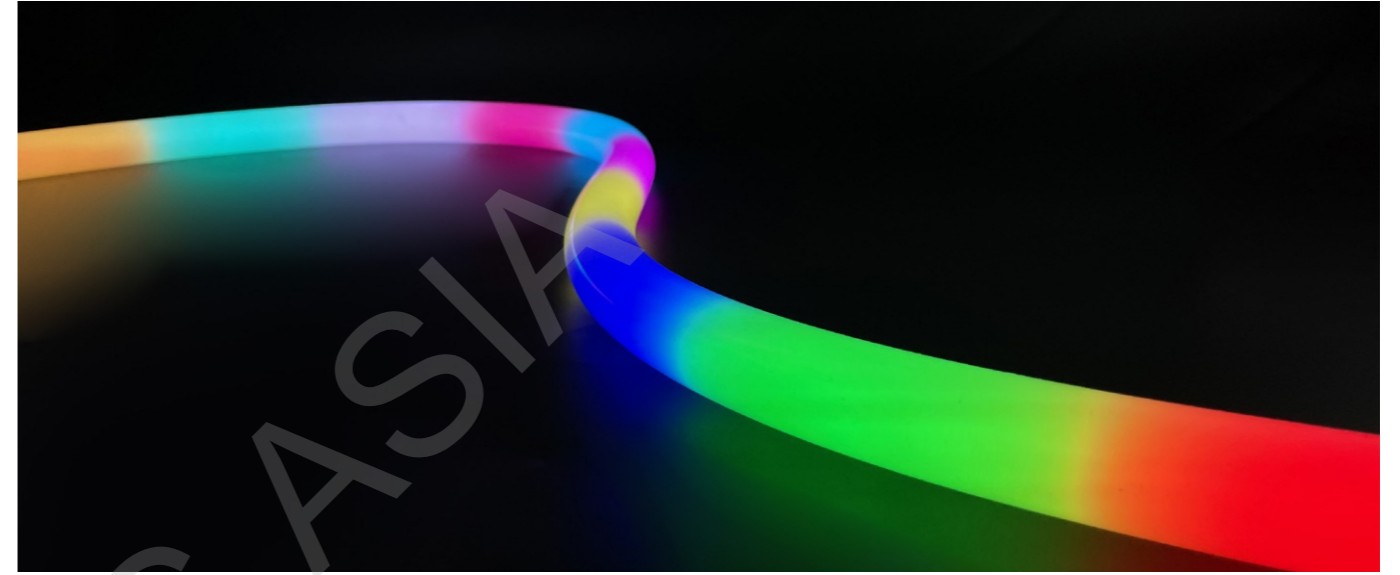| Voltage (V)	Power (W/M)	CCT/Color	Lumen (LM/M)	Efficiency (LM/W)	Pixel (PCS)	Unit length (mm)	Signal Type	IC Model
DC24V	4.8	R	26	5.4	8	125	DMX512	UCS512C2L
	4.8	G	74	15.4				
	4.8	B	23	4.8				
	4.8	W(4000K)	90	18.8				
	15	RGBW	208	13.9				

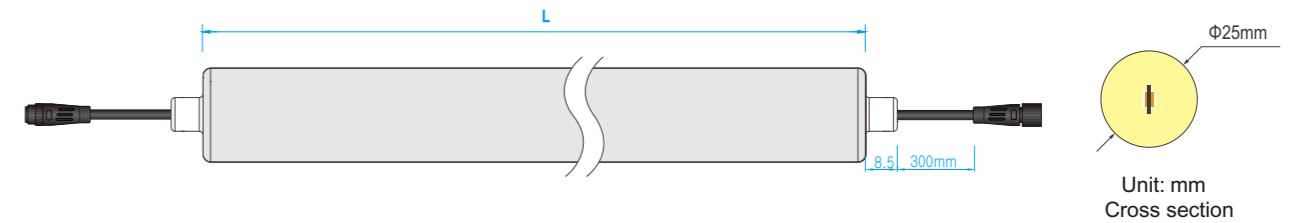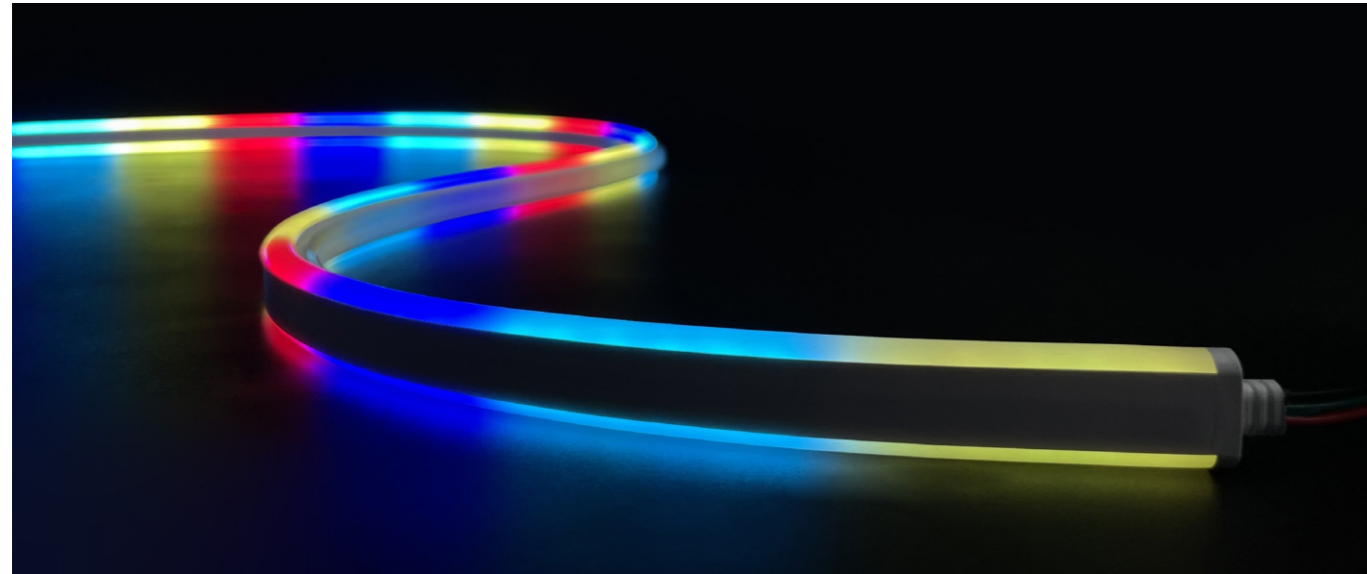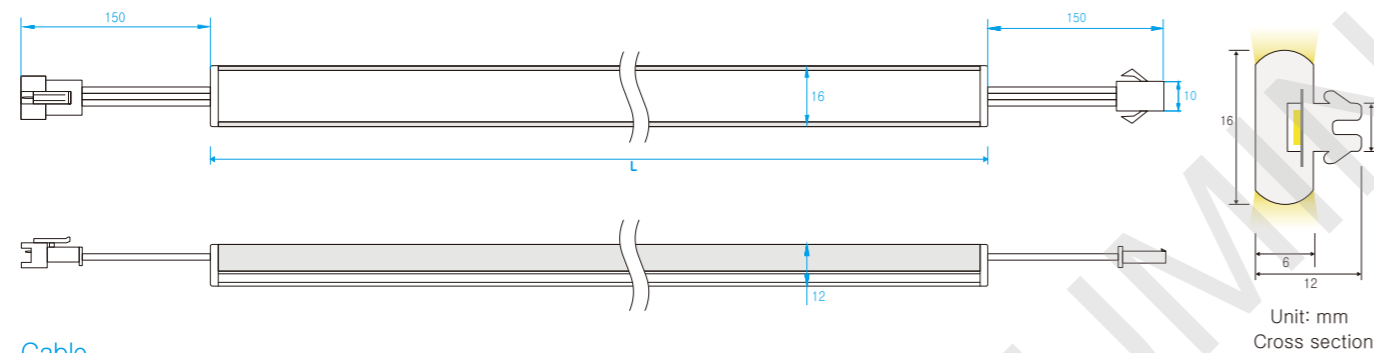# DMX512 & SPI Addressable Neon Flex NS-T1010

Product Features

It is made of Dow Chemical SILASTIC™ ET-7021 silicone rubber, which provides high transparency and high strength.
Environmental protection grade silicone material, integrated extrusion molding process.
Unique optical light distribution structure design, uniform lighting surface and no shadow.
IP67 protection level, salt solution resistance, weak acid and alkali corrosion and UV.
Excellent toughness, simple and stylish appearance, delicate and unique.
3 years warranty, working life ≥30000 hours;

Dimension structure

Unit: mm
Cross section

Cable

Cable Type	Schematic Diagram	Specification	Core	Electrical Properties
PVC Cable	38 / 40.7 / 10.5	OD : 4.0mm	●●●	SPI (Single data cable): Red V+, Green DI/DO, Black V−

RGB

Voltage (V)	Power (W/M)	CCT/Color	Lumen (LM/M)	Efficiency (LM/W)	Pixel (PCS)	Unit length (mm)	Signal Type	IC Model
DC24V	4.8	R	69	14.4	10	100	SPI (Single data cable)	WS2811
	4.8	G	216	45.0				
	4.8	B	35	7.3				
	12.5	RGB	304	24.3				

DMX512 & SPI Addressable Neon Flex NS-T1212

Product Features

It is made of Dow Chemical SILASTIC™ ET-7021 silicone rubber, which provides high transparency and high strength.
Environmental protection grade silicone material, integrated extrusion molding process.
Unique optical light distribution structure design, uniform lighting surface and no shadow.
IP67 protection level, salt solution resistance, weak acid and alkali corrosion and UV.
Excellent toughness, simple and stylish appearance, delicate and unique.
3 years warranty, working life ≥30000 hours;
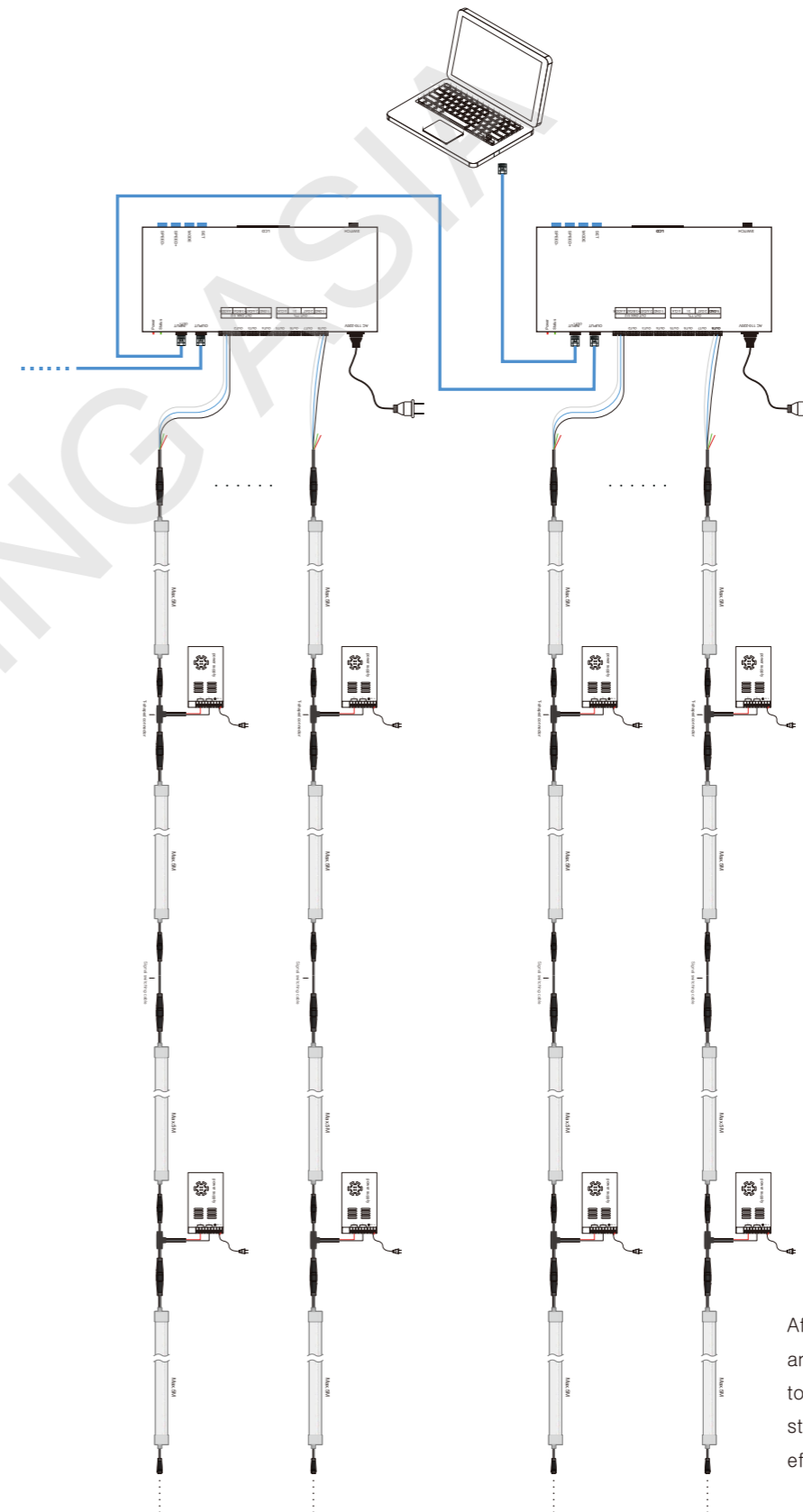
Dimension structure

Unit: mm
Cross section

Cable

Cable Type	Schematic Diagram	Specification	Core	Electrical Properties
PVC Cable	40 / 40 / 15	OD : 5.0mm	●●●	SPI (Single data cable): Red V+, Green DI/DO, Black V−

RGB

Voltage (V)	Power (W/M)	CCT/Color	Lumen (LM/M)	Efficiency (LM/W)	Pixel (PCS)	Unit length (mm)	Signal Type	IC Model
DC24V	4.8	R	60	12.5	10	100	SPI (Single data cable)	WS2811
	4.8	G	194	40.4				
	4.8	B	33	6.9				
	12.5	RGB	266	21.3				

Product Features

It is made of Dow Chemical SILASTIC™ ET-7021 silicone rubber, which provides high transparency and high strength.

Environmental protection grade silicone material, integrated extrusion molding process.

Unique optical light distribution structure design, uniform lighting surface and no shadow.

IP67 protection level, salt solution resistance, weak acid and alkali corrosion and UV.

Excellent toughness, simple and stylish appearance, delicate and unique.

3 years warranty, working life ≥30000 hours;

Dimension structure

300mm

L

17.6mm   15mm

13mm

15 $^{+0.25}_{-0.1}$

18.6mm   16mm

16 $^{+0.25}_{-0.1}$

Unit: mm
Cross section

Cable

Cable Type	Schematic Diagram	Specification	Core	Electrical Properties
PVC Cable		OD：5.0mm		SPI (Single data cable)：Red V+，Green DI/DO，Black V-
		OD：5.5mm		SPI (Dual data cable)：Red V+，Green BI/BO，Blue DI/DO，Black V-
	40 40 15	OD：5.5mm		DMX512：Red V+，Green PI/PO，Blue AI/AO，White BI/BO，Black V-
Silicone Cable		OD：5.0mm		SPI：Red V+，Green DI/DO，Black V-
		OD：6.0mm		Breakpoint Transmission：RedV+，Green BI/BO，Blue DI/DO，Black V-
	40 40 15	OD：6.0mm		DMX512：RedV+，Green PI/PO，Blue AI/AO，White BI/BO，Black V-

RGB (NS-T1615-RGB-WS2818)

Voltage (V)	Power (W/M)	CCT/Color	Lumen (LM/M)	Efficiency (LM/W)	Pixel (PCS)	Unit length (mm)	Signal Type	IC Model
DC24V	5	R	48	9.6	8	125	SPI (Dual data cable)	UCS2603/WS2818
	5	G	184	36.8				
	5	B	32	6.4				
	12	RGB	262	21.8				

RGBW (NS-T1615-RGBW-UCS2904)

Voltage (V)	Power (W/M)	CCT/Color	Lumen (LM/M)	Efficiency (LM/W)	Pixel (PCS)	Unit length (mm)	Signal Type	IC Model
DC24V	4.8	R	42	8.8	8	125	SPI (Single data cable)	UCS2904
	4.8	G	117	24.4				
	4.8	B	36	7.5				
	4.8	W(4000K)	162	33.8				
	14.5	RGBW	342	23.6				

RGB (NS-T1615-RGB-DMX512)

Voltage (V)	Power (W/M)	CCT/Color	Lumen (LM/M)	Efficiency (LM/W)	Pixel (PCS)	Unit length (mm)	Signal Type	IC Model
DC24V	4.8	R	51	10.6	8	125	DMX512	UCS512C2L
	4.8	G	191	39.8				
	4.8	B	32	6.7				
	12	RGB	266	22.2				

RGBW (NS-T1615-RGBW-DMX512)

Voltage (V)	Power (W/M)	CCT/Color	Lumen (LM/M)	Efficiency (LM/W)	Pixel (PCS)	Unit length (mm)	Signal Type	IC Model
DC24V	4.8	R	44	9.2	8	125	DMX512	UCS512C2L
	4.8	G	119	24.8				
	4.8	B	34	7.1				
	4.8	W(4000K)	153	31.9				
	15	RGBW	329	21.9				

DMX512 & SPI Addressable Neon Flex NS-D16

Product Features

It is made of Dow Chemical SILASTIC™ ET-7021 silicone rubber, which provides high transparency and high strength.

Environmental protection grade silicone material, integrated extrusion molding process.

Unique optical light distribution structure design, uniform lighting surface and no shadow.

IP67 protection level, salt solution resistance, weak acid and alkali corrosion and UV.

Excellent toughness, simple and stylish appearance, delicate and unique.

3 years warranty, working life ≥30000 hours;

Dimension structure

Unit: mm
Cross section

Cable

Cable Type	Schematic Diagram	Specification	Core	Electrical Properties
PVC Cable		OD：5.0mm	●●●	SPI (Single data cable): Red V+, Green DI/DO, Black V−

RGB

Voltage (V)	Power (W/M)	CCT/Color	Lumen (LM/M)	Efficiency (LM/W)	Pixel (PCS)	Unit length (mm)	Signal Type	IC Model
DC24V	4.8	R	69	14.4	10	100	SPI (Single data cable)	WS2811
	4.8	G	219	45.6				
	4.8	B	41	8.5				
	12.5	RGB	294	23.5				

DMX512 & SPI Addressable Neon Flex NS-D25

Product Features

It is made of Dow Chemical SILASTIC™ ET-7021 silicone rubber, which provides high transparency and high strength.

Environmental protection grade silicone material, integrated extrusion molding process.

Unique optical light distribution structure design, uniform lighting surface and no shadow.

IP67 protection level, salt solution resistance, weak acid and alkali corrosion and UV.

Excellent toughness, simple and stylish appearance, delicate and unique.

3 years warranty, working life ≥30000 hours;

Dimension structure

Unit: mm
Cross section

Cable

Cable Type	Schematic Diagram	Specification	Core	Electrical Properties
PVC Cable		OD：5.0mm	●●●	SPI (Single data cable): Red V+, Green DI/DO, Black V−
Silicone Cable		OD：5.0mm	●●●	SPI (Single data cable): Red V+, Green DI/DO, Black V−

RGB

Voltage (V)	Power (W/M)	CCT/Color	Lumen (LM/M)	Efficiency (LM/W)	Pixel (PCS)	Unit length (mm)	Signal Type	IC Model
DC24V	9.6	R	112	11.7	10	100	SPI (Single data cable)	WS2811
	9.6	G	350	36.5				
	9.6	B	54	5.6				
	25	RGB	474	19.0				

DMX512 & SPI Addressable Neon Flex NS-S0612D

Product Features

It is made of Dow Chemical SILASTIC™ ET-7021 silicone rubber, which provides high transparency and high strength.
Environmental protection grade silicone material, integrated extrusion molding process.
Unique optical light distribution structure design, uniform lighting surface and no shadow.
IP67 protection level, salt solution resistance, weak acid and alkali corrosion and UV.
Excellent toughness, simple and stylish appearance, delicate and unique.
3 years warranty, working life ≥30000 hours;

Dimension structure

Unit: mm
Cross section

Cable

Cable Type	Schematic Diagram	Specification	Core	Electrical Properties
PVC Cable	150mm 150mm	OD：5.0mm	●●●	SPI (Single data cable): Red V+，Green DI/DO，Black V−

RGB

Voltage (V)	Power (W/M)	CCT/Color	Lumen (LM/M)	Efficiency (LM/W)	Pixel (PCS)	Unit length (mm)	Signal Type	IC Model
DC24V	4.8	R	64	13.3	10	100	SPI (Single data cable)	WS2811
	4.8	G	199	41.5				
	4.8	B	34	7.1				
	12.5	RGB	273	21.8				

Control system connection diagram-DMX512

After the led strip is connected to the signal wire and power supply wire correctly, It is necessary to use a controller or corder to address the led strip ,then the controller can run the control effect program.

T-type 5 pin connector

111mm
55mm
110mm
48mm
47mm
15mm
16mm
210mm±10

White — White
Blue — Blue
Green — Green
Black — Black
Red — Red

Red Black

Blue — Green
Red — Black
White

M12 Male connector

Blue — Green
Red — Black
White

M12 Female connector

Function:
between led strip in parallel,signal pass-through

5 pin Signal switching cable

315mm±10
48mm
47mm
15mm
16mm

Blue — Green
NC — Black
White

M12 Male connector

Blue — Green
NC — Black
White

M12 Female connector

White — White
Blue — Blue
Green — Green
Black — Black
NC — NC

Function:
Keep the signal cable connected in series;
The positive terminal of the power supply is disconnected (avoid two power supplies connected in parallel).

Accessories for SPI (Dual data cable) series

T-type 4 pin connector

111mm | 55mm | 110mm
48mm | | 47mm
15mm | | 16mm

210mm±10

Blue — Blue
Green — Green
Black — Black
Red — Red

Red Black

Green — Blue
Red — Black

M12 Male connector

Blue — Green
Black — Red

M12 Female connector

Function:
between led strip in parallel,signal pass-through

4 pin Signal switching cable

315mm±10
48mm | 47mm
15mm | 16mm

Green — Blue
NC — Black

M12 Male connector

Blue — Green
Black — NC

M12 Female connector

Black — Black
Blue — Blue
Green — Green
NC — NC

Function:
Keep the signal cable connected in series;
The positive terminal of the power supply is disconnected (avoid two power supplies connected in parallel).

Control system connection diagram-SPI (Single data cable)

T-type 3 pin connector

111mm   55mm   110mm
48mm   47mm
15mm   16mm
210mm±10

Green — Green
Black — Black
Red — Red

Red Black

Green
Red   Black
M12 Male connector

Green
Black   Red
M12 Female connector

Function:
between led strip in parallel,signal pass-through

T-type 3 pin connector

L±10
41mm   55mm   38.5mm
10.5mm   10.5mm
L±10

Green — Green
Black — Black
Red — Red

Red Black

Green
Red   Black
M8 Male connector

Green
Black   Red
M8 Female connector

Function:
between led strip in parallel,signal pass-through

3 pin Signal switching cable

315mm±10
48mm   47mm
15mm   16mm

Green
NC   Black
M12 Male connector

Green
Black   NC
M12 Female connector

Black — Black
Green — Green
NC — NC

Function:
Keep the signal cable connected in series;
The positive terminal of the power supply is disconnected (avoid two power supplies connected in parallel).

3 pin Signal switching cable

315mm±10
41mm   38.5mm
10.5mm   10.5mm

Green
NC   Black
M8 Male connector

Green
Black   NC
M8 Female connector

Black — Black
Green — Green
NC — NC

Function:
Keep the signal cable connected in series;
The positive terminal of the power supply is disconnected (avoid two power supplies connected in parallel).

MINI CUTTING SERIES

The Mini Cutting Neon Flex is a neon light that has been designed with an ultra-short cutting length to meet various length requirements. It's perfectly suitable for Signage lighting.

SIDE / MINI CUTTING S0612 NEON

- Regular power 5W/m and 10W/m for option
- Max length 5 meters with one end power
- Silicone end cap
- Eight CCT optional from 2700K to 6000K

2700K 3000K 4000K 6000K

One Bin | CRI >90 | Solvent resistant | Saltwater resistant | UV protected | Cuttable | 50000 Hours Lifetime | LM80 Compliant | 3 YEARS WARRANTY

DIMENSIONS & WATERPROOF

Top view
5000mm
300mm
8mm
16mm
12mm
12mm

Side view
14mm
12mm
12mm
8.33mm

Light emitting surface
200mm
12mm
Min bending diameter
6mm
Bend horizontal only

Light emitting surface

PRODUCT SPECIFICATION

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

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

90°
23.6
47.1
70.7
94.3
117.8
0°
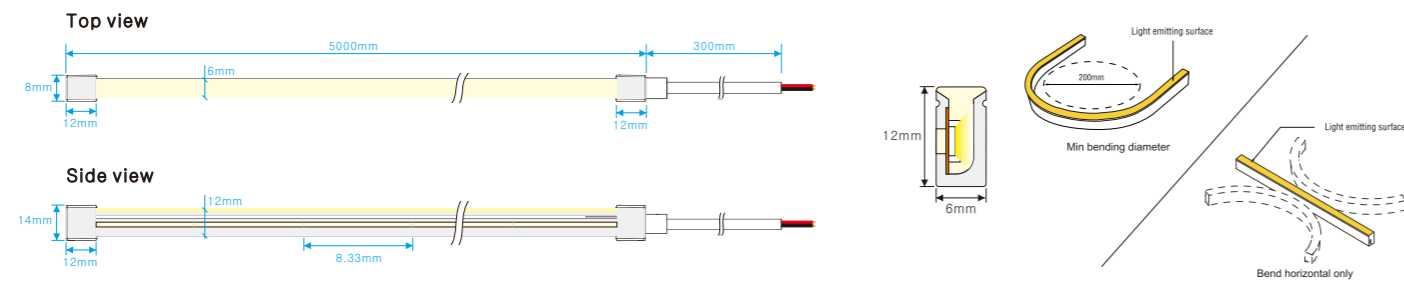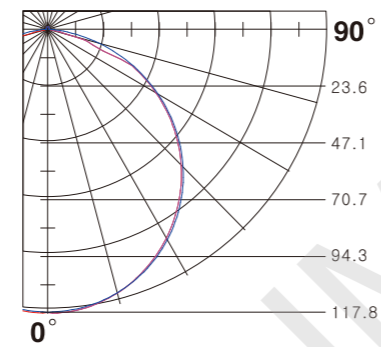
C0/C180: — C90/C270: — C0: —

WHITE COLOR PARAMETERS

Part Number	CCT (K)	Low power(5w/m) (lm/m)	High power(10w/m) (lm/m)
▶ NS-S0612-MC-W27	2600-2800K	173.25	346.50
▶ NS-S0612-MC-W30	2900-3100K	173.25	346.50
▶ NS-S0612-MC-W40	3750-4350K	181.50	363.00
▶ NS-S0612-MC-W60	5800-6500K	181.50	363.00

TOP / MINI CUTTING T1212 NEON

- Regular power 5W/m and 10W/m for option
- Max length 5 meters with one end power
- Soldering−free and silicone end cap
- Eight CCT optional from 2700K to 6000K

2700K 3000K 4000K 6000K

One Bin | CRI >90 | Solvent resistant | Saltwater resistant | UV protected | Cuttable | 50000 Hours Lifetime | LM80 Compliant | 3 YEARS WARRANTY

DIMENSIONS & WATERPROOF

Top view
5000mm
300mm
17mm
12mm
Light surface
26.5mm

Side view
16mm
12mm
26.5mm
8.33mm

200mm
Luminous surface
12mm
Min bending diameter
12mm
Bend vertical only

Luminous surface

PRODUCT SPECIFICATION

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

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

90°
46.6
93.2
139.7
186.3
232.9
0°
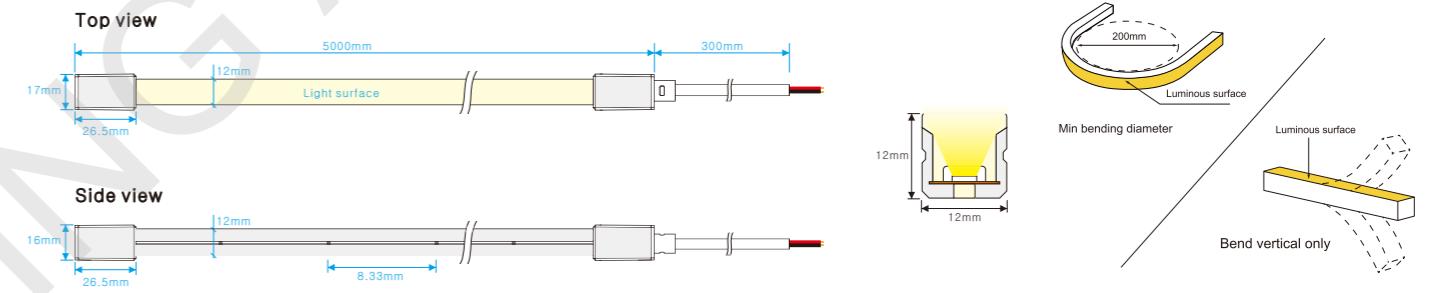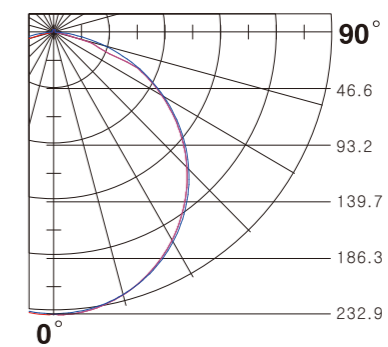
C0/C180: — C90/C270: — C0: —

WHITE COLOR PARAMETERS

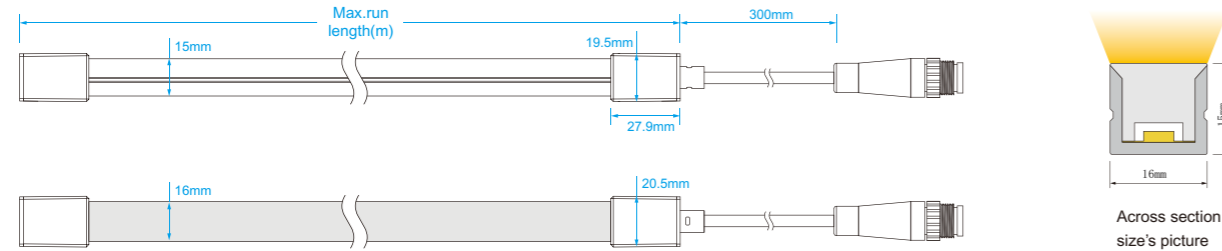| Part Number	CCT (K)	Low power(5w/m) (lm/m)	High power(10w/m) (lm/m)
▶ NS-T1212-MC-W27	2600-2800K	299.25	598.50
▶ NS-T1212-MC-W30	2900-3100K	299.25	598.50
▶ NS-T1212-MC-W40	3750-4350K	313.50	627.00
▶ NS-T1212-MC-W60	5800-6500K	313.50	627.00

SIDE / MINI CUTTING S1220 NEON

▸ Regular power 5W/m,10W/m and 15W/m for option
▸ Max length 5 meters with one end power
▸ Soldering−free and silicone end cap
▸ Eight CCT optional from 2700K to 6000K

2700K 3000K 4000K 6000K

One Bin | CRI >90 | Solvent resistant | Saltwater resistant | UV protected | Cuttable | 50000 Hours Lifetime | LM80 Compliant | WARRANTY 3 YEARS

DIMENSIONS & WATERPROOF

Top view
17mm
26.5mm
12mm
Light surface
5000mm
300mm

Side view
24mm
26.5mm
20mm
8.33mm

20mm
12mm

Light emitting surface
200mm
Min bending diameter

Light emitting surface
Bend horizontal only

PRODUCT SPECIFICATION

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

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

90°
32.7
65.5
98.2
130.9
163.7
0°

C0/C180: — C90/C270: — C0: —
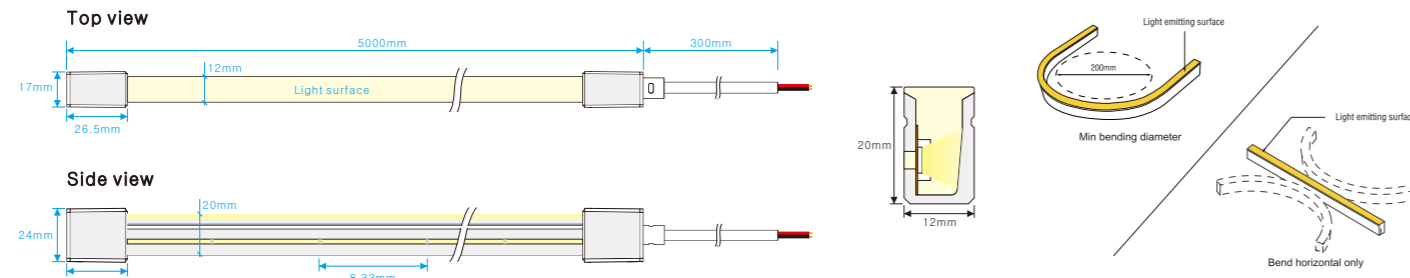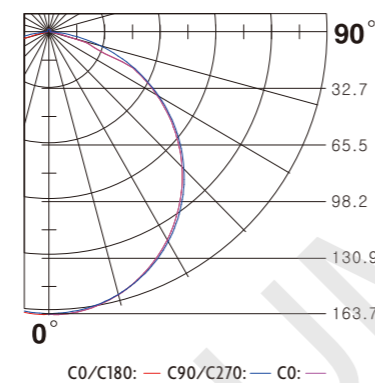
WHITE COLOR PARAMETERS

Part Number	CCT (K)	Low power(5w/m) (lm/m)	Medium power(10w/m) (lm/m)	High power(15w/m) (lm/m)
▸ NS-S1220-MC-W27	2600-2800K	144.37	288.75	433.12
▸ NS-S1220-MC-W30	2900-3100K	144.37	288.75	433.12
▸ NS-S1220-MC-W40	3750-4350K	151.25	302.50	453.75
▸ NS-S1220-MC-W60	5800-6500K	151.25	302.50	453.75

TOP / MINI CUTTING T1615 NEON

▸ Regular power 5W/m,10W/m and 15W/m for option
▸ Max length 5 meters with one end power
▸ Soldering−free and silicone end cap
▸ Eight CCT optional from 2700K to 6000K

2700K 3000K 4000K 6000K

One Bin | CRI >90 | Solvent resistant | Saltwater resistant | UV protected | Cuttable | 50000 Hours Lifetime | LM80 Compliant | WARRANTY 3 YEARS

DIMENSIONS & WATERPROOF

Top view
20mm
27.5mm
16mm
Light surface
5000mm
300mm

Side view
19mm
27.5mm
15mm
8.33mm

15mm
16mm

Luminous surface
200mm
Min bending diameter

Luminous surface
Bend vertical only

PRODUCT SPECIFICATION

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

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

90°
55.1
110.2
165.2
220.3
275.4
0°

C0/C180: — C90/C270: — C0: —
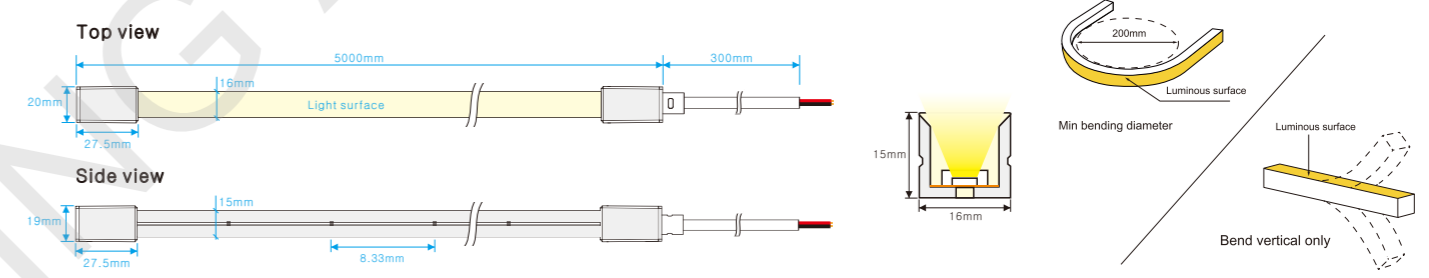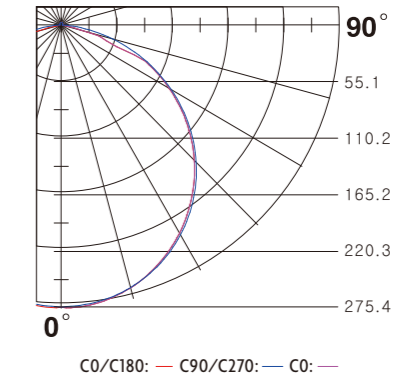
WHITE COLOR PARAMETERS

Part Number	CCT (K)	Low power(5w/m) (lm/m)	Medium power(10w/m) (lm/m)	High power(15w/m) (lm/m)
▸ NS-T1615-MC-W27	2600-2800K	254.62	509.25	763.87
▸ NS-T1615-MC-W30	2900-3100K	254.62	509.25	763.87
▸ NS-T1615-MC-W40	3800-4300K	266.75	533.50	800.25
▸ NS-T1615-MC-W60	5900-6400K	266.75	533.50	800.25

3D NEON 1615 LED NEON

- Regular power 5W/m and10W/m for option
- Max length 5 meters with one end power
- Eight CCT optional from 2100K to 6150K
- Top bending and side bending in one NEON
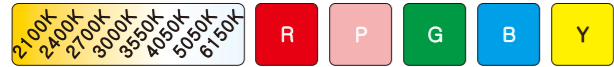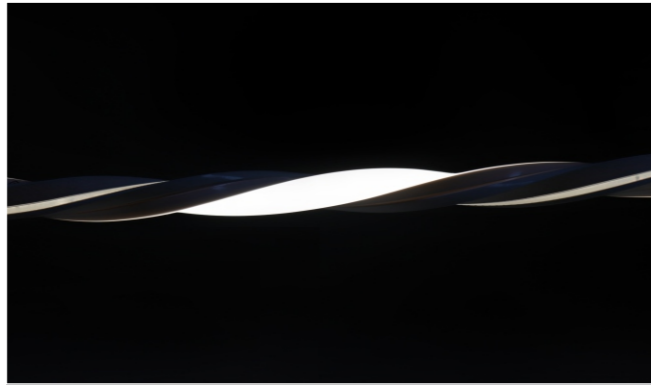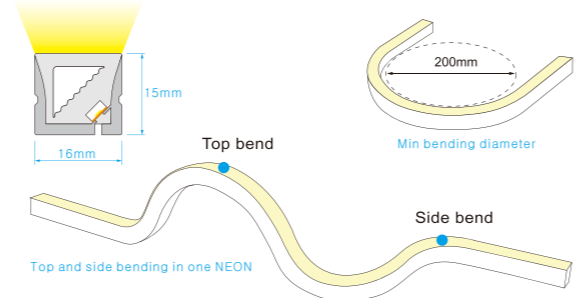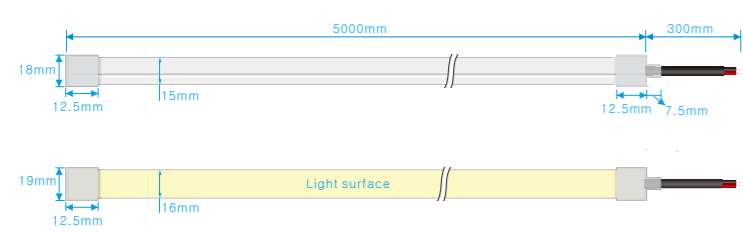
2100K 2400K 2700K 30000K 3550K 4050K 5050K 6150K | R | P | G | B | Y

One Bin | CRI >90 | Solvent resistant | Saltwater resistant | UV protected | Cuttable | 50000 hours Lifetime | LM80 Compliant | 3 WARRANTY YEARS

DIMENSIONS & WATERPROOF

5000mm | 300mm
18mm | 15mm | 12.5mm 7.5mm
12.5mm
19mm | Light surface | 16mm
12.5mm

15mm
16mm

200mm
Min bending diameter

Top bend

Side bend

Top and side bending in one NEON

PRODUCT SPECIFICATION

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

Color Type	Cutting length(mm)
Single color	50mm

POLAR CURVE (The data base on 15W 4000K)
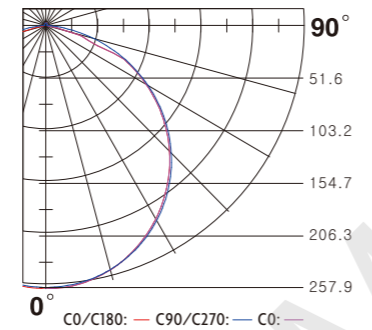
90°
51.6
103.2
154.7
206.3
257.9
0°
C0/C180: — C90/C270: — C0: —

WHITE COLOR PARAMETERS

Part Number	CCT (K)	Low power(5w/m) (lm/m)	(max length)	High power(10w/m) (lm/m)	(max length)
NS-3D1615-W21	2000-2200K	316	5m	626	5m
NS-3D1615-W24	2300-2500K	330	5m	627	5m
NS-3D1615-W27	2600-2800K	357	5m	675	5m
NS-3D1615-W30	2900-3100K	372	5m	701	5m
NS-3D1615-W35	3400-3700K	384	5m	726	5m
NS-3D1615-W40	3800-4300K	385	5m	728	5m
NS-3D1615-W50	4800-5300K	391	5m	745	5m
NS-3D1615-W60	5900-6400K	387	5m	733	5m
NS-3D1615-R	Red(620-625nm)	151	5m	307	5m
NS-3D1615-G	Green(515-525nm)	320	5m	533	5m
NS-3D1615-B	Blue(460-465nm)	77	5m	144	5m
NS-3D1615-Y	Yellow(585-595nm)	128	5m	260	5m
NS-3D1615-P	Pink	255	5m	481	5m

Cable outlet
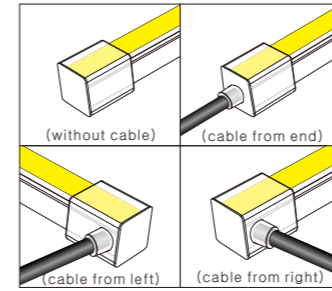
(without cable) | (cable from end)
(cable from left) | (cable from right)

Accessory

Mounting accessories
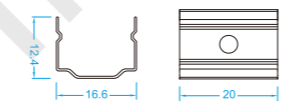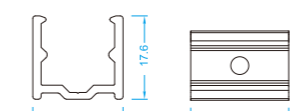
Stainless Steel Mounting clips | Aluminium Mounting clips | Aluminium Profile | Suspension Installation

12.4
16.6 | 20

17.3 | 17.6
20

17.3 | 17.6
1000
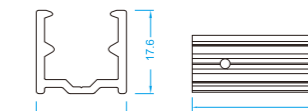
Wire cable

2PIN cable

TOP / HIGH EFFICIENCY T1212 NEON

- Regular power 5W/m and 10W/m for option
- Max length 14 meters with one end power
- Soldering-free and silicone end cap
- Eight CCT optional from 2700K to 6000K

2700K 3000K 3500K 4000K 5000K 6000K

One Bin | CRI >90 | Solvent resistant | Saltwater resistant | UV protected | Cuttable | 50000 hours Lifetime | LM80 Compliant | 3 YEARS WARRANTY

Mounting Way

Stainless Steel Mounting clips

Aluminium Mounting clips

Aluminium Profile

12.4 · 12.8 · 20

17.3 · 14 · 20

17.3 · 14 · 1000

DIMENSIONS & WATERPROOF

Max.run length
12mm · 16mm · 300mm
26.5mm

12mm · 17mm

12mm · 12mm

Across section size's picture

150mm
Luminous surface
Min bending diameter

Luminous surface
Bend vertical only
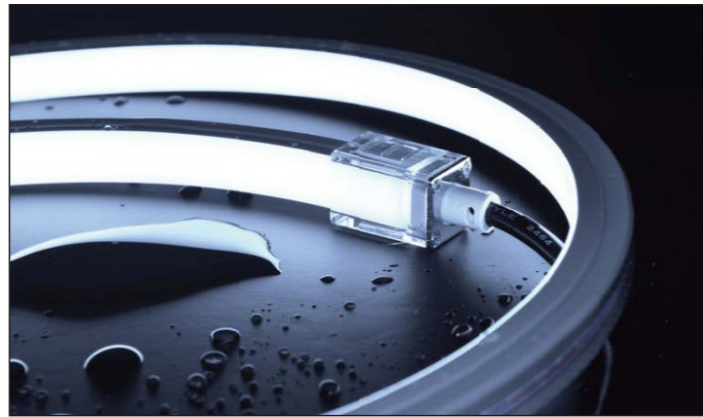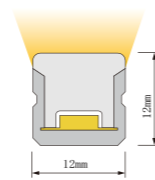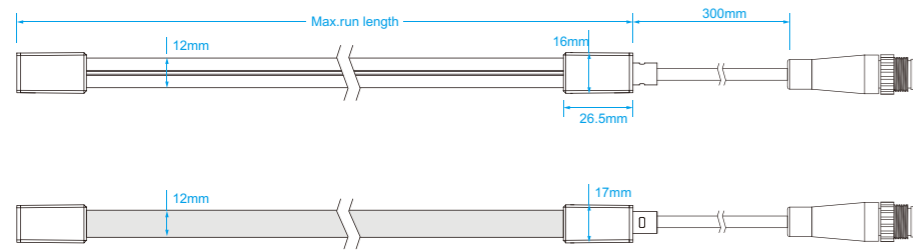
Electrical Parameter

Voltage	DC24V
LED PIN Temperature	Max. 65℃
Storage Temperature	-25℃~ 60℃
Ambient Temperature	Min.-25°C Max (Table below)
CRI	>90

Specification

Power	5 w/m	10 w/m
Efficacy@4000K	95 lm/w	93 lm/w
Max Ambient Temperature	55°C	45°C

Due to the tolerance of the production and electrical components,output value and electrical power can very up to 10%

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.
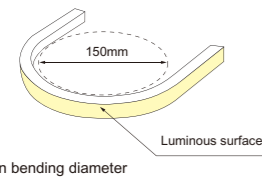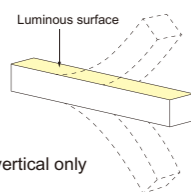
WHITE COLOR PARAMETERS

Part Number	CCT (K)	Unit cut (mm)	CV/CC	Low power(5w/m) (lm/m)	(max length)	High power(10w/m) (lm/m)	(max length)
NS-T1212H-W27	2600-2800K	50	CC/CV	420	14m	820	8m
NS-T1212H-W30	2900-3100K	50	CC/CV	450	14m	880	8m
NS-T1212H-W35	3300-3700K	50	CC/CV	480	14m	950	8m
NS-T1212H-W40	3700-4300K	50	CC/CV	475	14m	930	8m
NS-T1212H-W50	4700-5300K	50	CC/CV	475	14m	940	8m
NS-T1212H-W60	5700-6300K	50	CC/CV	480	14m	950	8m

Note: CC stands for constant current, CV stands for constant voltage, max length of CV is 5m.

TOP / HIGH EFFICIENCY T1615 NEON

- Regular power 5W/m,10W/m and 15W/m for option
- Max length 20 meters with one end power
- Soldering-free and silicone end cap
- Eight CCT optional from 2700K to 6000K

2700K 3000K 3500K 4000K 5000K 6000K

One Bin | CRI >90 | Solvent resistant | Saltwater resistant | UV protected | Cuttable | 50000 Hours Lifetime | LM80 Compliant | WARRANTY 3 YEARS

DIMENSIONS & WATERPROOF

Max.run length(m)
15mm
19.5mm
300mm
27.9mm

16mm
20.5mm

15mm
16mm
Across section size's picture

150mm
Luminous surface
Min bending diameter

Luminous surface
Bend vertical only

Electrical Parameter

Voltage	DC24V
LED PIN Temperature	Max. 65℃
Storage Temperature	−25℃～ 60℃
Ambient Temperature	Min.−25℃ Max (Table below)
CRI	>90

Specification

Power	5 w/m	10 w/m	15 w/m
Effhcacy@4000K	84 lm/w	82 lm/w	78 lm/w
Max Ambient Temperature	50℃	45℃	35℃

Due to the tolerance of the production and electrical components,output value and electrical power can very up to 10%

WHITE COLOR PARAMETERS

Part Number	CCT (K)	Unit cut (mm)	CV/CC	Low power(5w/m) (lm/m)	(max length)	Medium power(10w/m) (lm/m)	(max length)	High power(15w/m) (lm/m)	(max length)
NS-T1615H-W27	2600-2800K	50	CC/CV	375	20m	730	12m	1050	8m
NS-T1615H-W30	2900-3100K	50	CC/CV	390	20m	770	12m	1110	8m
NS-T1615H-W35	3300-3700K	50	CC/CV	430	20m	850	12m	1230	8m
NS-T1615H-W40	3700-4300K	50	CC/CV	420	20m	820	12m	1170	8m
NS-T1615H-W50	4700-5300K	50	CC/CV	455	20m	900	12m	1290	8m
NS-T1615H-W60	5700-6300K	50	CC/CV	450	20m	890	12m	1260	8m

Note: CC stands for constant current, CV stands for constant voltage, max length of CV is 5m.

Mounting Way

Mounting Clips
Dimension:
20x12.6x16.8mm
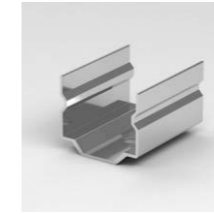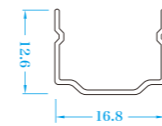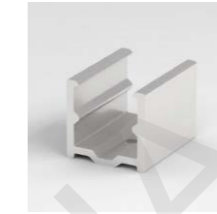
12.6
16.8

Aluminium Mounting clips
Dimension:
20x20.5x17.6mm

17.6
20.5

Aluminium Profile
Dimension:
1000x20.5x17.6mm

17.6
20.5
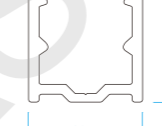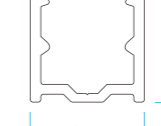
Suspension Installation

Installation
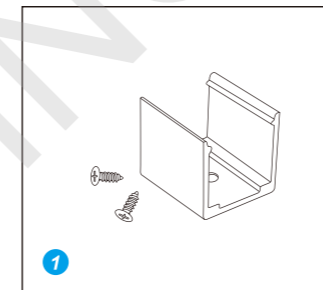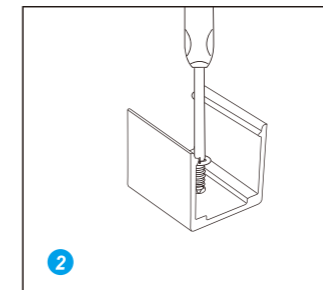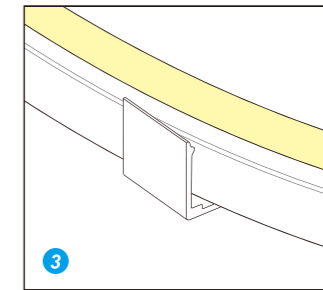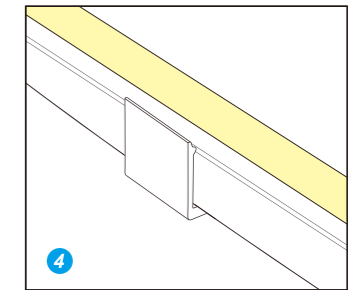
1. Prepare the screws and mounting clips
2. Adjust the fixed clips to the appropriate place, use a screwdriver to fix the screw.
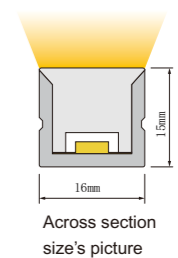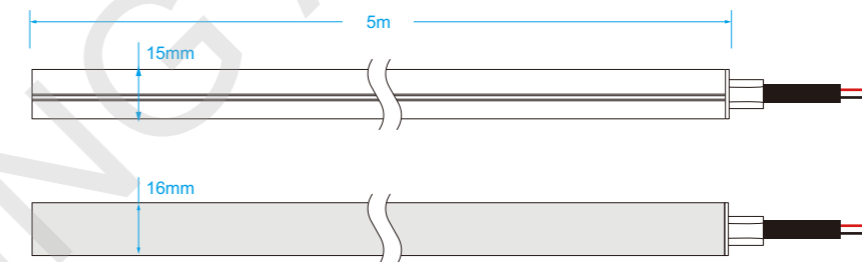3. Put the light emitting surface upwards, then insert the LED strip into the fixed clips.
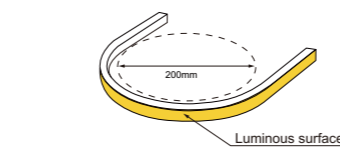4. Fix NEON strip completely into the fixed clip.

SIDE / BLACK NEON S1220 NEON

- Regular power 5W/m,10W/m and 15W/m for option
- Max length 5 meters with one end power
- Unique black silicone body
- Six CCT optional from 2100K to 4000K

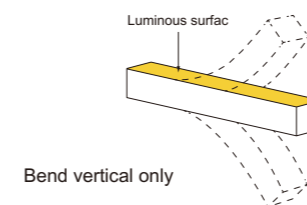2100K 2400K 2700K 3000K 3500K 4000K
2700K 5400K

R G B Y RGB

One Bin | CRI >90 | Solvent resistant | Saltwater resistant | UV protected | Cuttable | 30000 Hours Lifetime | LM80 Compliant | 3 YEARS WARRANTY

DIMENSIONS & WATERPROOF

5m
20mm
12mm
20mm
12mm

Across section size's picture

150mm

Luminous surface

Min bending diameter

Light emitting surface
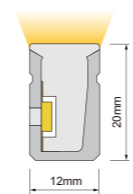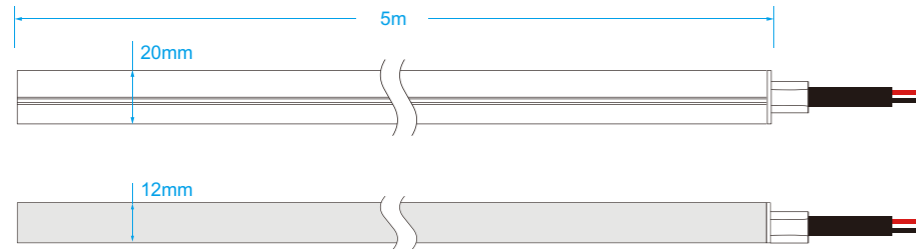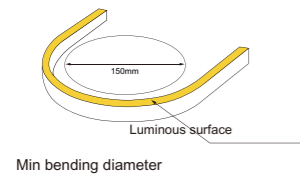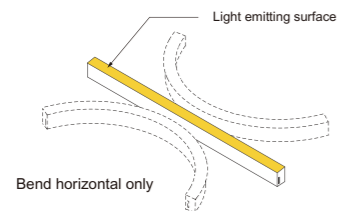
Bend horizontal only

Electrical Parameter

Voltage	DC24V
LED PIN Temperature	Max. 65℃
Storage Temperature	−25℃～ 60℃
Ambient Temperature	Min.−25℃ Max (Table below)
CRI	>90

Specification

Power	5 w/m	10 w/m	15 w/m
Efficacy@4000K	2lm/w	1.87lm/w	1.8lm/w
Max Ambient Temperature	50°C	45°C	35°C

Due to the tolerance of the production and electrical components,output value and electrical power can very up to 10%

WHITE COLOR PARAMETERS

Part Number	CCT (K)	Unit cut (mm)	CV/CC	Low power(5w/m) (lm/m)	(max length)	Medium power(10w/m) (lm/m)	(max length)	High power(15w/m) (lm/m)	(max length)
NS-S1220B-W21	2000−2200K	50	CV	9.1	5m	17.6	5m	23.8	5m
NS-S1220B-W24	2300−2500K	50	CV	9.2	5m	17.7	5m	24.1	5m
NS-S1220B-W27	2600−2800K	50	CV	8.6	5m	17.2	5m	23	5m
NS-S1220B-W30	2900−3100K	50	CV	9.1	5m	17.8	5m	24.2	5m
NS-S1220B-W35	3400−3700K	50	CV	9.2	5m	17.4	5m	24.9	5m
NS-S1220B-W40	3800−4300K	50	CV	10.1	5m	19.5	5m	26.6	5m

NS-S1220B-R	Red(620−625nm)	50	CV	4.5	5m	9.6	5m	12	5m
NS-S1220B-G	Green(515−525nm)	50	CV	7.5	5m	13.8	5m	16.5	5m
NS-S1220B-B	Blue(460−465nm)	50	CV	1.3	5m	2.5	5m	3.5	5m
NS-S1220B-Y	Yellow(585−595nm)	50	CV	3.2	5m	6.4	5m	9	5m

Note: CC stands for constant current, CV stands for constant voltage, max length of CV is 5m.

Tunable color parameters

Part Number	CCT (K)	Unit cut (mm)	CV/CC	Low power(5w/m) (lm/m)	(max length)	Medium power(10w/m) (lm/m)	(max length)	High power(15w/m) (lm/m)	(max length)
NS-S1220B-TW	WW:2600−2800K	50	CV	4.6	5m	9.7	5m	12.9	5m
NS-S1220B-TW	CW:5100−5700K	50	CV	4.6	5m	9.5	5m	12.9	5m
NS-S1220B-TW	WW+CW:3800−4300K	50	CV	9.3	5m	19.2	5m	25.5	5m

RGB color parameters

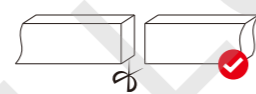| Part Number	Color (nm)	Unit cut (mm)	CV/CC	Low power(5w/m) (lm/m)	(max length)	Medium power(10w/m) (lm/m)	(max length)	High power(15w/m) (lm/m)	(max length)
NS-S1220B-RGB	R	62.5	CV	1.3	5m	2.3	5m	3.2	5m
NS-S1220B-RGB	G	62.5	CV	2.7	5m	4.4	5m	5.7	5m
NS-S1220B-RGB	B	62.5	CV	0.4	5m	0.7	5m	0.9	5m
NS-S1220B-RGB	RGB	62.5	CV	4.4	5m	7.4	5m	9.5	5m

Cautions

The unused product and unused product after unpacking should be sealed with the packaging bag to avoid prolonged exposure.

Tests showed that nail and benzene substances will have yellowing effects on silicone gel;in the new indoor decoration environment, epoxy floor paint, wall paint, wallpaper adhesive, various decoration materials or new furniture , possibly release of nail and benzene substances, it is recommended to remove formaldehyde and benzene or ventilate for a period of time in the new indoor decoration environment, and then install the neon strip to avoid yellowing of the silicone gel.

Cutting Mark

Cutting Mark

Remark:
The bottom of the led strip has transparent window, the black marker is the cutting position

Use professional scissors to cut vertically at the cutting mark
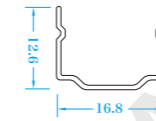
Vertical cutting precisely in the exact cutting position of led strip.

Please don't be feel free to cut and cut into an oblique angle or cambered section.
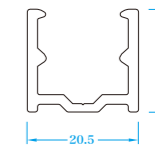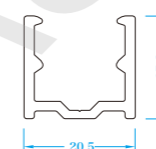
Mounting Way

Stainless Steel Mounting clips
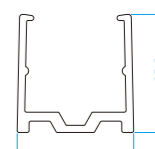
Dimension: 20x12.8x18.9mm

Aluminium Mounting clips
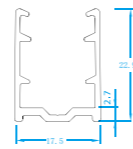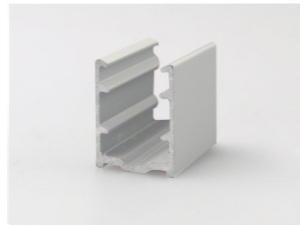
Dimension: 20 x 17.3 x 21mm

### Aluminium Profile
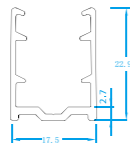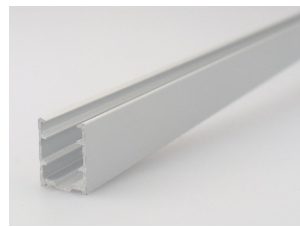
Dimension: 1000 x 17.3 x 21mm

### Suspension Installation
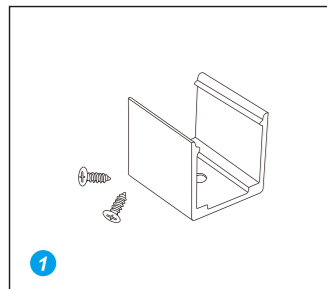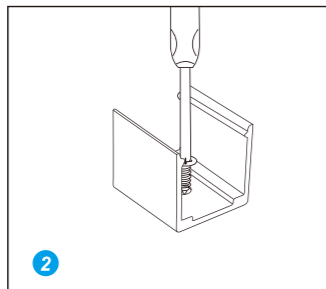
Installation

1 Prepare the screws and mounting clips

2 Adjust the fixed clips to the appropriate place, use a screwdriver to fix the screw.
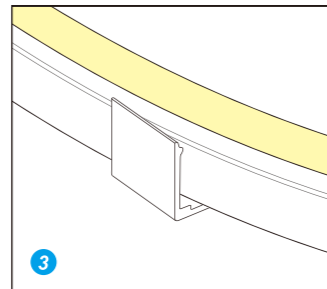
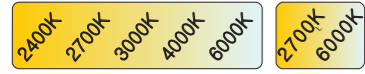**3** Put the light emitting surface upwards, then insert the LED strip into the fixed clips.
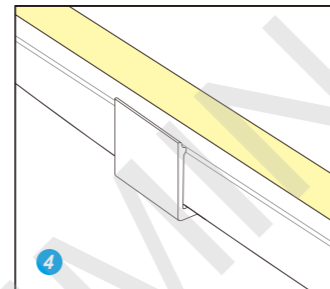
4 Fix NEON strip completely into the fixed clip.

TOP / BLACK NEON T1615 NEON

▸ Regular power 5W/m,10W/m and 15W/m for option
▸ Max length 5 meters with one end power
▸ Unique black silicone body
▸ Six CCT optional from 2100K to 4000K

2100K 2400K 2700K 3000K 3500K 4000K 2700K 5400K

R G B Y RGB

One Bin | CRI >90 | Solvent resistant | Saltwater resistant | UV protected | Cuttable | 30000 Lifetime | LM80 Compliant | 3 YEARS

DIMENSIONS & WATERPROOF

15mm

5m

16mm

Across section size's picture
16mm

Min bending diameter
200mm
Luminous surface

Luminous surfac
Bend vertical only

Electrical Parameter

Voltage	DC24V
LED PIN Temperature	Max. 65℃
Storage Temperature	−25℃∼ 60℃
Ambient Temperature	Min.−25℃ Max (Table below)
CRI	>90

Specif i cation

Power	5 w/m	10 w/m	15 w/m
Efficacy@4000K	2.2lm/w	2lm/w	2lm/w
Max Ambient Temperature	55°C	45°C	35°C

Due to the tolerance of the production and electrical components,output value and electrical power can very up to 10%

WHITE COLOR PARAMETERS

Part Number	CCT (K)	Unit cut (mm)	CV/CC	Low power(5w/m) (lm/m)	(max length)	Medium power(10w/m) (lm/m)	(max length)	High power(15w/m) (lm/m)	(max length)
▸ NS-T1615B-W21	2000-2200K	50	CV	10.3	5m	19.5	5m	27.8	5m
▸ NS-T1615B-W24	2300-2500K	50	CV	11	5m	20.7	5m	29.4	5m
▸ NS-T1615B-W27	2600-2800K	50	CV	11	5m	20.6	5m	29.4	5m
▸ NS-T1615B-W30	2900-3100K	50	CV	11	5m	21.1	5m	30	5m
▸ NS-T1615B-W35	3400-3700K	50	CV	10.8	5m	20.4	5m	29.3	5m
▸ NS-T1615B-W40	3800-4300K	50	CV	10.9	5m	20.7	5m	29.6	5m

NS-T1615B-R	Red(620-625nm)	50	CV	5.8	5m	11.5	5m	17.3	5m
NS-T1615B-G	Green(515-525nm)	50	CV	7	5m	11.3	5m	21	5m
NS-T1615B-B	Blue(460-465nm)	50	CV	1.5	5m	1.5	5m	1.5	5m
NS-T1615B-Y	Yellow(585-595nm)	50	CV	4.9	5m	9.6	5m	14.6	5m
NS-T1615B-P	Pink	50	CV	9.1	5m	17	5m	27.2	5m

Note: CC stands for constant current, CV stands for constant voltage, max length of CV is 5m.

Tunable color parameters

Part Number	CCT (K)	Unit cut (mm)	CV/CC	Low power(5w/m) (lm/m)	(max length)	Medium power(10w/m) (lm/m)	(max length)	High power(15w/m) (lm/m)	(max length)
NS-T1615B-TW	WW:2600-2800K	50	CV	5.4	5m	10.6	5m	15.2	5m
NS-T1615B-TW	CW:5100-5700K	50	CV	5.5	5m	10.7	5m	15.4	5m
NS-T1615B-TW	WW+CW:3800-4300K	50	CV	10.1	5m	20.9	5m	30.5	5m

RGB color parameters

Part Number	Color (nm)	Unit cut (mm)	CV/CC	Low power(5w/m) (lm/m)	(max length)	Medium power(10w/m) (lm/m)	(max length)	High power(15w/m) (lm/m)	(max length)
NS-T1615B-RGB	R	62.5	CV	1.8	5m	3.2	5m	3.9	5m
NS-T1615B-RGB	G	62.5	CV	3.3	5m	5.2	5m	4.8	5m
NS-T1615B-RGB	B	62.5	CV	0.7	5m	0.9	5m	1.2	5m
NS-T1615B-RGB	RGB	62.5	CV	5.3	5m	8.7	5m	11.9	5m

Cautions

The unused product and unused product after unpacking should be sealed with the packaging bag to avoid prolonged exposure.

Tests showed that nail and benzene substances will have yellowing effects on silicone gel:in the new indoor decoration environment, epoxy floor paint, wall paint, wallpaper adhesive, various decoration materials or new furniture , possibly release of nail and benzene substances, it is recommended to remove formaldehyde and benzene or ventilate for a period of time in the new indoor decoration environment, and then install the neon strip to avoid yellowing of the silicone gel.

Cutting Mark

Cutting Mark

Remark:
The bottom of the led strip has transparent window, the black marker is the cutting position

Use professional scissors to cut vertically at the cutting mark

Vertical cutting precisely in the exact cutting position of led strip.

Please don't be feel free to cut and cut into an oblique angle or cambered section.

Mounting Way

Stainless Steel Mounting clips

Dimension: 20x12.6x16.8mm

Aluminium Mounting clips

Dimension: 20x20.5x17.6mm

Aluminium Profile

Dimension: 1000x20.5x17.6mm

transparent plastic groove

Dimension: 1000x19.5x19.8mm

Installation
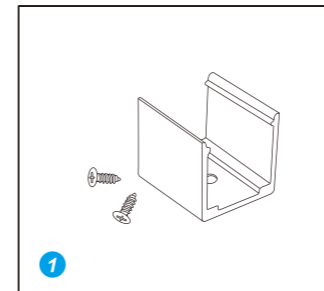
1. Prepare the screws and mounting clips
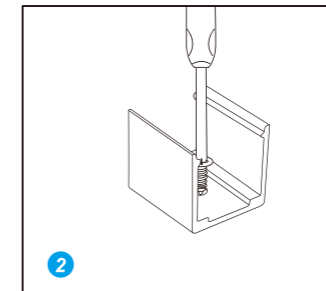
2. Adjust the fixed clips to the appropriate place, use a screwdriver to fix the screw.
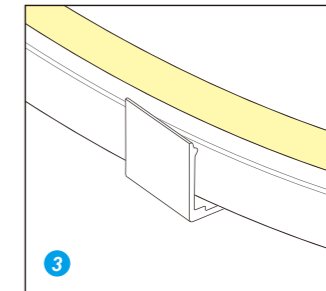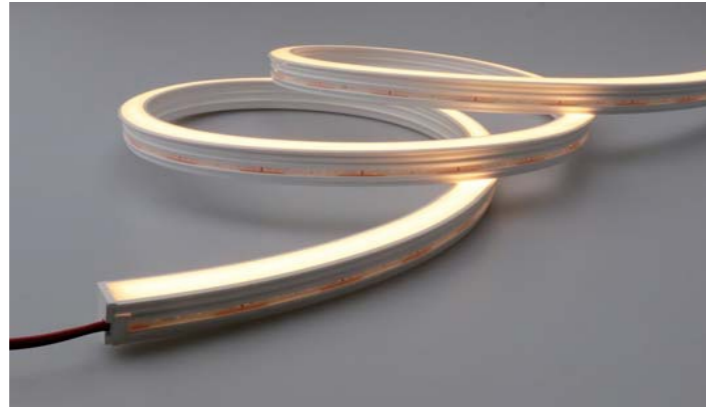
3. Put the light emitting surface upwards, then insert the LED strip into the fixed clips.
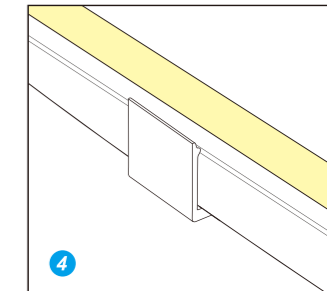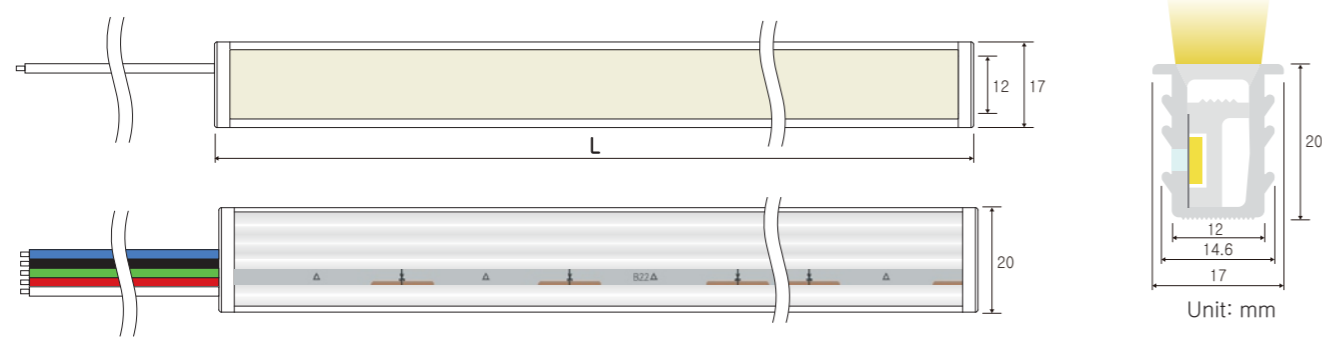
4. Fix NEON strip completely into the fixed clip.

IP44 NEON S1220T SIDE VIEW

- Regular power 5W/m,10W/m and 15W/m for option
- Max length 5 meters with one end power
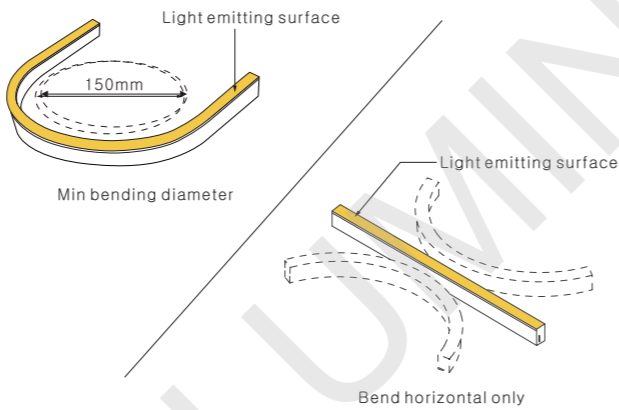- Unique black silicone body
- Six CCT optional from 2100K to 4000K

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

R P G B Y RGB RGBW DMX

One Bin | CRI>90 | Solvent resistant | Saltwater resistant | UV protected | Cuttable | 50000 hours Lifetime | LM80 Compliant | 3 YEARS WARRANTY

DIMENSIONS & WATERPROOF

12 17
L
20
12
14.6
17
20

Unit: mm

PRODUCT SPECIFICATION

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

Length Range(m)	Final Length(mm)	Tolerance(mm)
0m<Length≤5m	L+6	±7
5m<Length≤10m	L+6	±10
10m<Length≤15m	L+6	±13
15m<Length≤20m	L+6	±16

Light emitting surface
150mm
Min bending diameter

Light emitting surface
Bend horizontal only

WHITE COLOR PARAMETERS

Part Number	CCT (K)	Power (w/m)	Efficiency (lm/w)	Lumen (lm/m)	Unit Length (mm)	Max Run Length (m)
NS-S1220T-W24	2350−2550K	10	37.4	374	50	17
NS-S1220T-W27	2600−2800K	10	36.5	365	50	17
NS-S1220T-W30	2850−3150K	10	37.0	370	50	17
NS-S1220T-W40	3800−4200K	10	40.7	407	50	17
NS-S1220T-W60	5600−6100K	10	37.8	378	50	17

RGBW color parameters(RGB+4000K)

Color (nm)	CRI	Power (w/m)	Efficiency (lm/w)	Lumen (lm/m)	Unit Length (mm)	Max Run Length (m)
Red	N/A	2.5	13.6	34	83.33	5
Green	NA/	2.5	53.6	134	83.33	5
Blue	N/A	2.5	11.6	29	83.33	5
4000K	>90	2.5	46.8	117	83.33	5
RGB	N/A	7.5	26.4	198	83.33	5
RGBW	N/A	10	31.6	316	83.33	5

Cable specification

Cable Type	Schematic Diagram	Specification	Core	Electrical Properties
PVC Cable	200mm	20AWG Red&Black 2-core Cable	●●	Red V+、Black V-
	200mm	20AWG Brown&White&Yellow 3-core Cable	●○●	Dual-White: Brown V+、White W、Yellow WW
		20AWG Red&Green&Black 3-core Cable	●●●	Digital RGB: Red V+、Green DI、Black GND
	200mm	20AWG Black&Blue&Red&Green 4-core Cable	●●● ●	Black V+、Blue B、Red R、Green G
	200mm	20AWG Black&White&Blue&Green &Red 5-core Cable	●○●●	Black V+、White W、Blue B、GreenG、Red R
		20AWG Black&White&Blue&Green &Red 5-core Cable	●○●●	DMX512 Digital RGB: Black GND, White BI/BO, Blue AI/AO, Green PI/PO, Red V+

Installation

13-14mm
>19mm
13-14mm
8mm

1.Make grooves and outlet holes according to the dimensions shown in the picture.

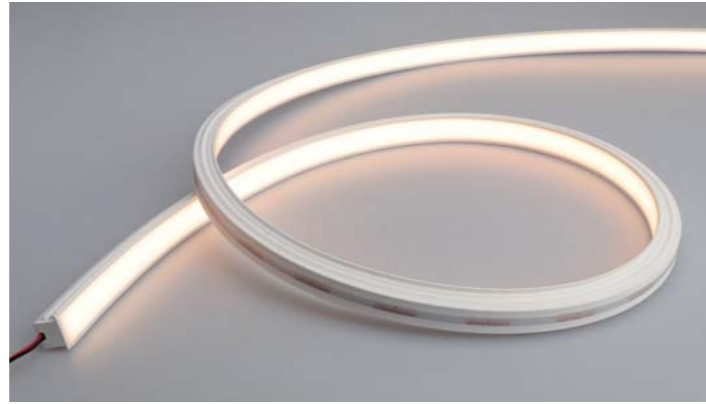2. Pass the cable of the light through the reserved hole as shown in the figure.

Section
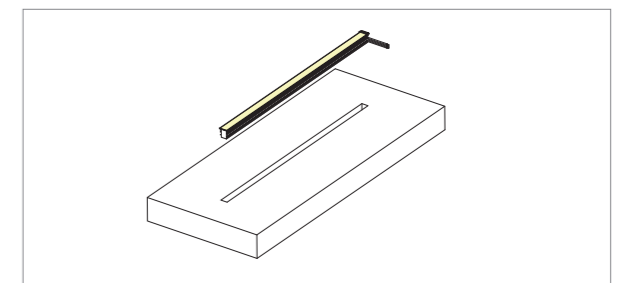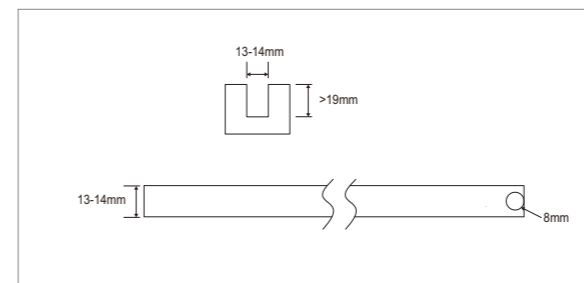
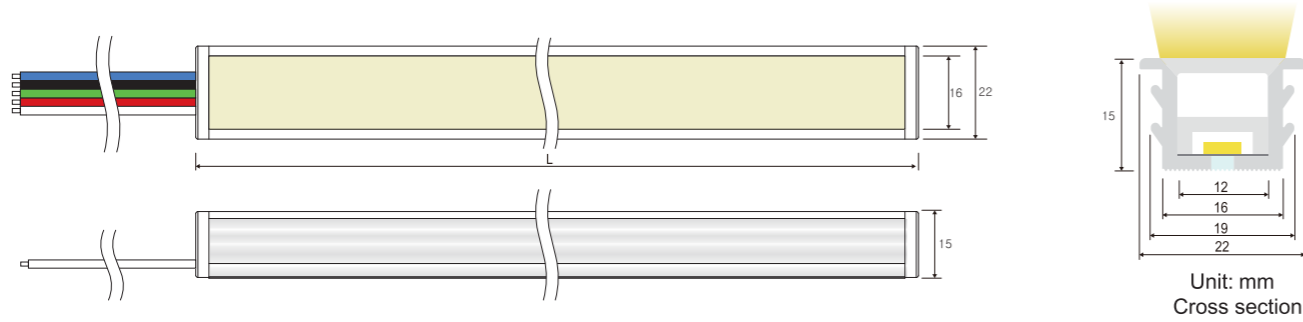3.Align the light to the groove, press the glowing surface of the light, and fully embed the light into the groove.

4.Completed.

IP44 NEON T1615T TOP VIEW

- "wing-designed", no need mounting profiles
- Max length 18 meters with one end power
- Five CCT optional from 2400K to 6000K
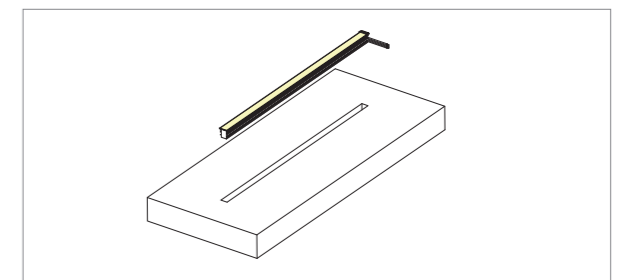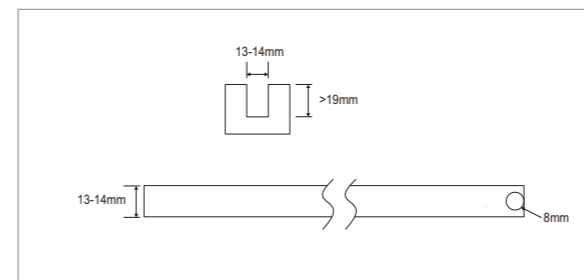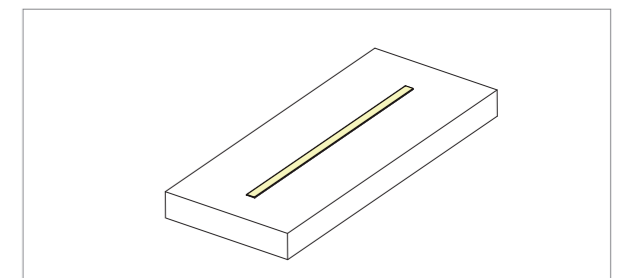- 3 years warranty, working life >30000 hours;

2400K 2700K 3000K 4000K 6000K | 2700K 6000K

R P G B Y RGB RGBW DMX

One Bin | CRI >90 | Solvent resistant | Saltwater resistant | UV protected | Cuttable | 50000 hours Lifetime | LM80 Compliant | 3 YEARS WARRANTY

DIMENSIONS & WATERPROOF

16 | 22
15
15

12
16
19
22

Unit: mm
Cross section

PRODUCT SPECIFICATION

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

Length Range(m)	Final Length(mm)	Tolerance(mm)
0m<Length≤5m	L+6	±7
5m<Length≤10m	L+6	±10
10m<Length≤15m	L+6	±13
15m<Length≤20m	L+6	±16

200mm
Luminous surface
Min bending diameter

Luminous surface
Bend vertical only
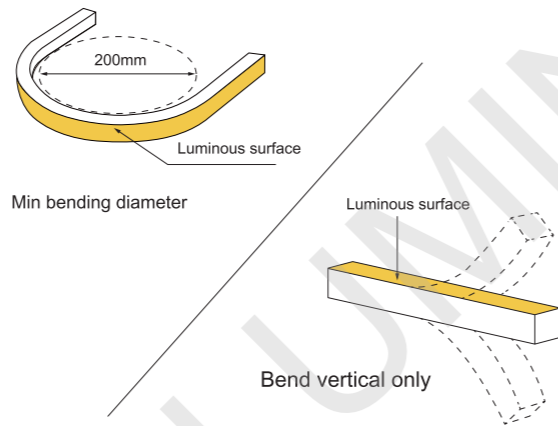
WHITE COLOR PARAMETERS

Part Number	CCT (K)	Power (w/m)	Efficiency (lm/w)	Lumen (lm/m)	Unit Length (mm)	Max Run Length (m)
NS-T1615T-W24	2300~2500K	10	488	48.8	50	17
NS-T1615T-W27	2500~2700K	10	560	56.0	50	17
NS-T1615T-W30	2900~3200K	10	607	60.7	50	17
NS-T1615T-W40	3900~4300K	10	663	66.3	50	17
NS-T1615T-W60	5700~6300K	10	630	63.0	50	17

RGBW color parameters(RGB+4000K)

Color (nm)	CRI	Power (w/m)	Efficiency (lm/w)	Lumen (lm/m)	Unit Length (mm)	Max Run Length (m)
Red	N/A	2.5	22.0	55	83.33	5
Green	NA/	2.5	87.2	218	83.33	5
Blue	N/A	2.5	18.4	46	83.33	5
4000K	>90	2.5	74.8	187	83.33	5
RGB	N/A	7.5	42.5	319	83.33	5
RGBW	N/A	10	50.3	503	83.33	5

Cable specification

Cable Type	Schematic Diagram	Specification	Core	Electrical Properties
PVC Cable	200mm	20AWG Red&Black 2-core Cable	●●	Red V+、Black V-
	200mm	20AWG Brown&White& Yellow 3-core Cable	●○●	Dual-White: Brown V+、White W、Yellow WW
		20AWG Red & Green & Black 3-core Cable	●●●	Digital RGB: Red V+、Green DI、Black GND
	200mm	20AWG Black&Blue&Red&Green 4-core C	●●●●	Black V+、Blue B、Red R、Green G
	200mm	20AWG Black&White&Blue&Green &Red 5-core Cable	●○●●●	Black V+、White W、Blue B、GreenG、Red R
		20AWG Black&White&Blue&Green &Red 5-core Cable	●○●●●	DMX512 Digital RGB: Black GND, White BI/BO, Blue AI/AO, Green PI/PO, Red V+

Installation

13-14mm
>19mm
13-14mm
8mm

1.Make grooves and outlet holes according to the dimensions shown in the picture.

2. Pass the cable of the light through the reserved hole as shown in the figure.

Section

3.Align the light to the groove, press the glowing surface of the light, and fully embed the light into the groove.

4.Completed.

IP68 UNDERWATER
SERIES

The IP68 LED neon flex is great for illuminating swimming pools
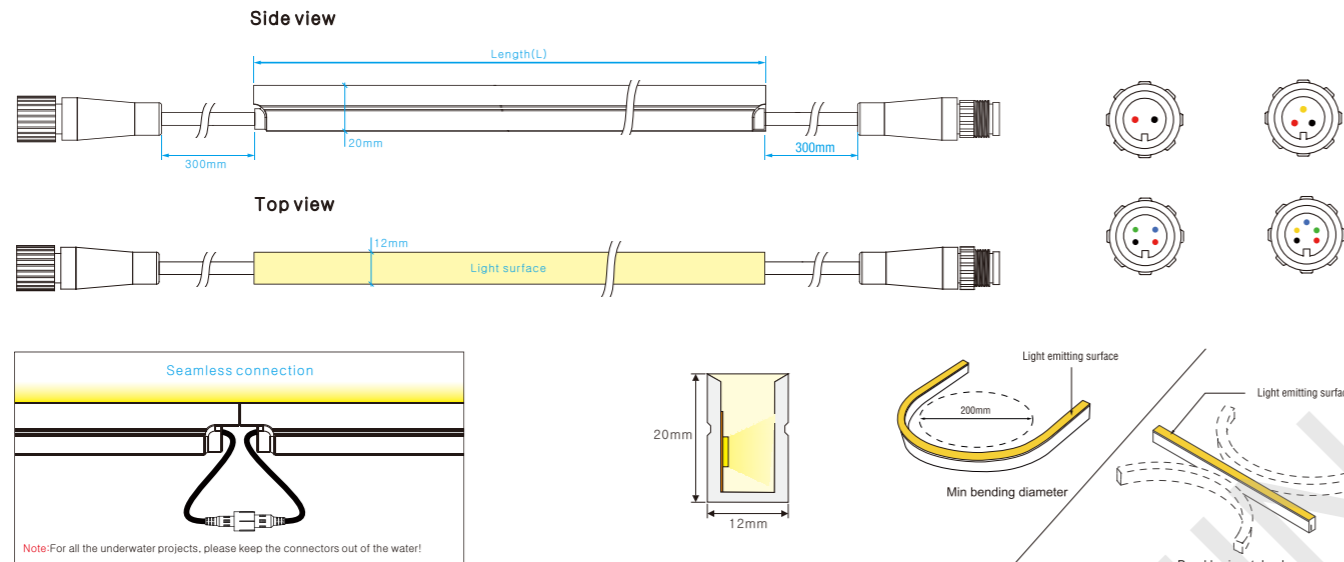because it's waterproof and resistant to corrosion.

IP68 PU NEON 1220 USED UNDER WATER

▶ IP68 polyurethane protected against water,salt water and UV radiation
▶ Regular power 5W/m,10W/m and 15W/m for option
▶ Max serial connection length 21 meters with one end power
▶ Seven CCT optional from 2700K to 6500K, CRI>80

DIMENSIONS & WATERPROOF

Side view

Length(L)

300mm   20mm   300mm

Top view

12mm   Light surface

Seamless connection

Note:For all the underwater projects, please keep the connectors out of the water!

20mm

12mm

Light emitting surface

200mm

Min bending diameter

Light emitting surface

Bend horizontal only

PRODUCT SPECIFICATION

Voltage	DC24 V
CRI/Ra	>80
Ambient temperature	−25°C~60°C

Note:
Customized length (not cutable):

Single color: L_{min}=152.1±11mm; L_{max}=5027±19mm; in 41.7mm increments

Tunable color: L_{min}=177±11mm; L_{max}=5027±19mm; in 50mm increments

RGB/RGBW: L_{min}=241.29±11mm; L_{max}=5027±19mm; in 71.43mm increments

WHITE COLOR PARAMETERS

Part Number	CCT (K)	Low power(5w/m) (lm/m)	(max serial run)	Medium power(10w/m) (lm/m)	(max serial run)	High power(15w/m) (lm/m)	(max serial run)
▶ NP-S1220-W27	2700K±10%	314	21m	610	13m	906	10m
▶ NP-S1220-W30	3000K±10%	324	21m	630	13m	936	10m
▶ NP-S1220-W32	3200K±10%	324	21m	630	13m	936	10m
▶ NP-S1220-W35	3500K±10%	324	21m	630	13m	936	10m
▶ NP-S1220-W40	4000K±10%	330	21m	640	13m	950	10m
▶ NP-S1220-W50	5000K±10%	330	21m	640	13m	950	10m
▶ NP-S1220-W65	6500K±10%	330	21m	640	13m	950	10m

TUNABLE COLOR PARAMETERS

Part Number	CCT (K)	Low power(5w/m) (lm/m)	(max serial run)	Medium power(10w/m) (lm/m)	(max serial run)	High power(15w/m) (lm/m)	(max serial run)
▶ NP-S1220-TW	2700K±10%	173	8m	334	5m	486	3m
▶ NP-S1220-TW	6500K±10%	169	8m	338	5m	492	3m
▶ NP-S1220-TW	(2700K+6500K)±10%	337	8m	654	5m	952	3m

RGB & RGBW COLOR PARAMETERS

Part Number	Color (nm)	Low power(5w/m) (lm/m)	(max serial run)	Medium power(10w/m) (lm/m)	(max serial run)	High power(15w/m) (lm/m)	(max serial run)
▶ NP-S1220-R	Red(620-625nm)	94	21m	182	13m	265	10m
▶ NP-S1220-G	Green(515-525nm)	181	21m	352	13m	476	10m
▶ NP-S1220-B	Blue(460-465nm)	43	21m	84	13m	114	10m
▶ NP-S1220-A	Yellow(585-595nm)	94	21m	183	13m	267	10m
▶ NP-S1220-P	Pink	131	21m	254	13m	370	10m
▶ NP-S1220-RGB	RGB	121	8m	235	5m	342	3m
▶ NP-S1220-RGBW	RGBW	264	8m	512	5m	746	3m

Accessory

Mounting accessories

Stainless mounting clip
15x13.8x12.8mm
(L x W x H)

Aluminum channel
1000x14.4x21.4mm
(L x W x H)

Bending stainless mounting clip
500x26.4x18mm
(L x W x H)

Wire cable

2PIN cable

3PIN cable

4PIN cable

5PIN cable

Connector

2PIN connector
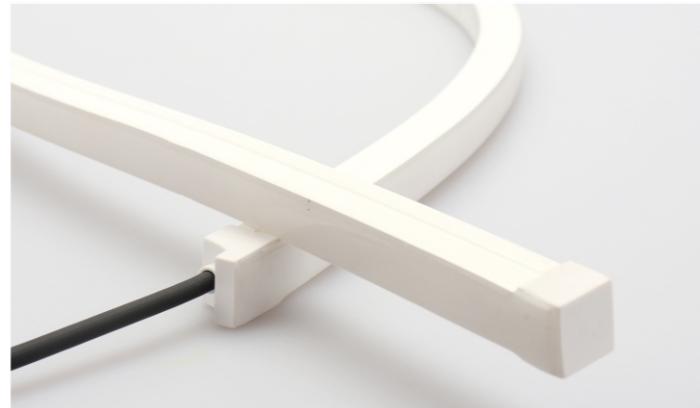(Single color)

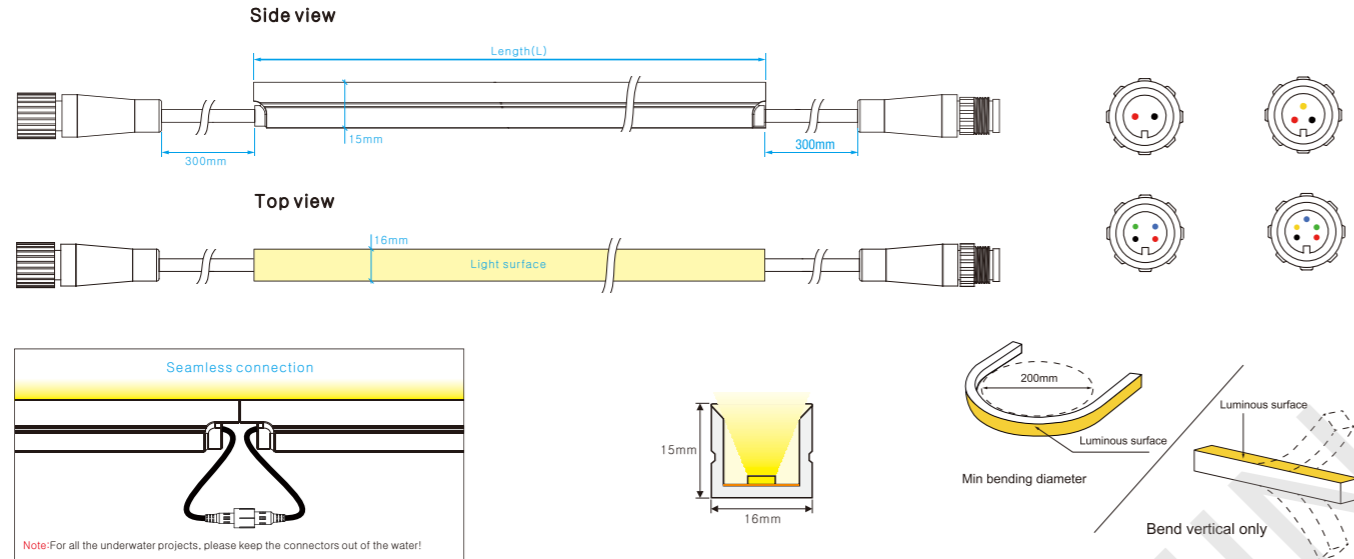3PIN connector
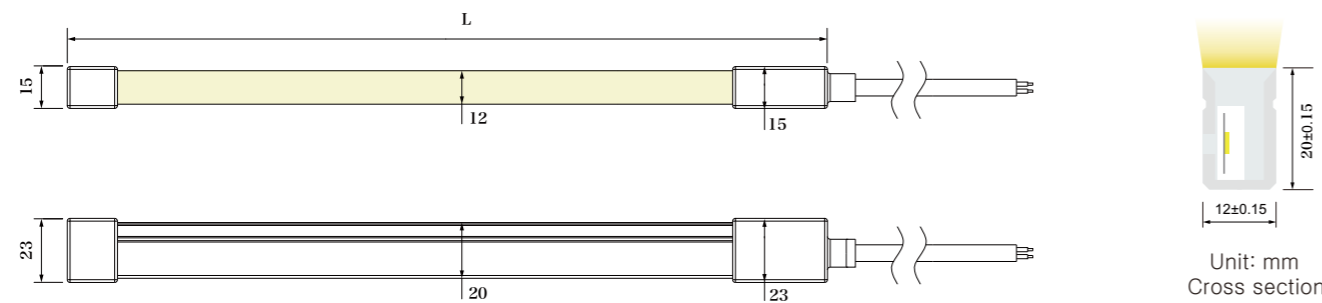(Tunable White)

4PIN connector
(RGB color)

5PIN connector
(RGB+White color)

IP68 PU NEON 1615 USED UNDER WATER

- IP68 polyurethane protected against water, salt water and UV radiation
- Regular power 5W/m, 10W/m and 15W/m for option
- Max serial connection length 24 meters with one end power
- Seven CCT optional from 2700K to 6500K, CRI>80

2700K 3000K 3200K 3700K 4000K 5000K 6500K   2700K 6500K

R P G B A RGB RGBW

One Bin | CRI >80 | Solvent resistant | Saltwater resistant | UV protected | Under water | 50000 hours Lifetime | LM80 Compliant | 3 YEARS WARRANTY

DIMENSIONS & WATERPROOF

Side view

Length(L)
15mm
300mm   300mm

Top view

16mm
Light surface

Seamless connection

Note:For all the underwater projects, please keep the connectors out of the water!

15mm
16mm

200mm
Luminous surface
Min bending diameter

Luminous surface
Bend vertical only

PRODUCT SPECIFICATION

Voltage	DC24 V
CRI/Ra	>80
Ambient temperature	−25°C~60°C

Note:

Customized length (not cutable):

Single color: L_{min}=152.1±11mm; L_{max}=5027±19mm; in 41.7mm increments

Tunable color: L_{min}=177±11mm; L_{max}=5027±19mm; in 50mm increments

RGB/RGBW: L_{min}=241.29±11mm; L_{max}=5027±19mm; in 71.43mm increments

WHITE COLOR PARAMETERS

Part Number	CCT (K)	Low power(5w/m) lm/m	(max serial run)	Medium power(10w/m) lm/m	(max serial run)	High power(15w/m) lm/m	(max serial run)
NP-T1615-W27	2700K±10%	498	24m	776	15m	1030	11m
NP-T1615-W30	3000K±10%	516	24m	785	15m	1146	11m
NP-T1615-W32	3200K±10%	496	24m	851	15m	1120	11m
NP-T1615-W35	3500K±10%	540	24m	889	15m	1188	11m
NP-T1615-W40	4000K±10%	564	24m	898	15m	1236	11m
NP-T1615-W50	5000K±10%	537	24m	887	15m	1204	11m
NP-T1615-W65	6500K±10%	513	24m	870	15m	1139	11m

TUNABLE COLOR PARAMETERS

Part Number	CCT (K)	Low power(5w/m) lm/m	(max serial run)	Medium power(10w/m) lm/m	(max serial run)	High power(15w/m) lm/m	(max serial run)
NP-T1615-TW	2700K±10%	276	22m	432	15m	583	11m
NP-T1615-TW	6500K±10%	278	22m	435	15m	588	11m
NP-T1615-TW	(2700K+6500K)±10%	544	22m	850	15m	1136	11m

RGB & RGBW COLOR PARAMETERS

Part Number	Color (nm)	Low power(5w/m) lm/m	(max serial run)	Medium power(10w/m) lm/m	(max serial run)	High power(15w/m) lm/m	(max serial run)
NP-T1615-R	Red(620-625nm)	159	24m	253	15m	340	11m
NP-T1615-G	Green(515-525nm)	382	24m	507	15m	615	11m
NP-T1615-B	Blue(460-465nm)	94	24m	133	15m	152	11m
NP-T1615-A	Yellow(585-595nm)	163	24m	239	15m	355	11m
NP-T1615-P	Pink	263	24m	412	15m	557	11m
NP-T1615-RGB	RGB	262	8m	411	5m	555	3m
NP-T1615-RGBW	RGBW	436	8m	673	5m	860	3m

Accessory

Mounting accessories

Stainless mounting clip
15x18x10.1mm
(L x W x H)

Aluminum channel
1000x19.2x17.8mm
(L x W x H)

Wire cable

2PIN cable   3PIN cable   4PIN cable   5PIN cable

Connector

2PIN connector
(Single color)

3PIN connector
(Tunable White)

4PIN connector
(RGB color)

5PIN connector
(RGB+White color)

IP68 SILICONE NEON 1220 USED UNDER WATER

▶ Made of Dow Chemical SILASTIC™ ET-7021 silicone, higher transparency and strength
▶ Integrated extrusion process, constant current IC design, 15m for one end power feed
▶ IP68 protection level, Chlorination resistant, can be used in swimming pool
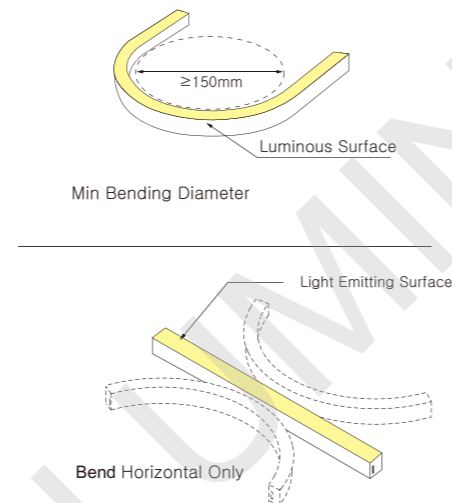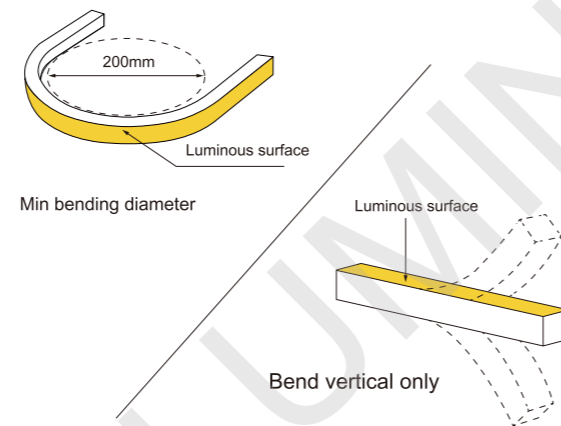▶ 3 years warranty, working life ≥30000 hours

2400K 2600K 3000K 4000K 6000K   2600K 6000K

R G B Y O P RGB SPI

One Bin | CRI >90 | Solvent resistant | Saltwater resistant | UV protected | 30000 hours Lifetime | LM80 Compliant | WARRANTY 3 YEARS

DIMENSIONS & WATERPROOF

L
15
12
15
20±0.15
12±0.15
23
20
23

Unit: mm
Cross section

≥150mm
Luminous Surface
Min Bending Diameter

Light Emitting Surface
Bend Horizontal Only

PRODUCT SPECIFICATION

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

Length Range(m)	Final Length(mm) Outlet from one end only	Outlet from both ends	Tolerance (mm)
0m<Length≤5m	L+19	L+30	±9
5m<Length≤10m	L+19	L+30	±13
10≤L≤15	L+19	L+30	±15

WHITE COLOR PARAMETERS

Part Number	CCT (K)	Power (w/m)	Efficiency (lm/w)	Lumen (lm/m)	Unit Length (mm)	Max Run Length (m)
NS-S1220-W24	2250-2550K	10	29.0	290.0	50	15
NS-S1220-W26	2450-2750K	10	24.2	242.0	50	15
NS-S1220-W30	2850-3150K	10	28.5	285.0	50	15
NS-S1220-W40	3700-4300K	10	27.2	272.0	50	15
NS-S1220-W60	5600-6400K	10	28.1	281.0	50	15

SINGLE COLOR PARAMETERS

Part Number	Color (nm)	Power (w/m)	Efficiency (lm/w)	Lumen (lm/m)	Unit Length (mm)	Max Run Length (m)
NS-S1220-R	Red(620-625nm)	10	13.9	139.0	50	15
NS-S1220-G	Green(515-525nm)	10	27.5	275.0	50	15
NS-S1220-B	Blue(460-465nm)	10	5.4	53.5	50	15
NS-S1220-Y	Yellow(585-595nm)	10	11.3	113.0	50	15
NS-S1220-O	Orange	10	12.2	122.0	50	15
NS-S1220-P	Pink	10	24.2	242.0	50	15

TUNABLE COLOR PARAMETERS

Part Number	CCT (K)	Power (w/m)	Efficiency (lm/w)	Lumen (lm/m)	Unit Length (mm)	Max Run Length (m)
NS-S1220-TW	2450-2750K	5	28.0	140.0	62.5	5
NS-S1220-TW	5600-6400K	5	29.0	145.0	62.5	5
NS-S1220-TW	3600-4200K	10	28.5	285.0	62.5	5

RGB COLOR PARAMETERS

CCT (k)	CRI	Power (w/m)	Efficiency (lm/w)	Lumen (lm/m)	Unit Length (mm)	Max Run Length (m)
R	–	3.3	11.0	36.3	83.33	5
G	–	3.3	39.3	129.7	83.33	5
B	–	3.3	7.4	24.4	83.33	5
RGB	–	10	19.0	190.0	83.33	5

DIGITAL RGB COLOR PARAMETERS

Voltage (v)	CCT (k)	Power (w/m)	Efficiency (lm/w)	Lumen (lm/m)	Pixel (PCS)	Signal Type	IC Model	Unit Length (mm)
24	R	4.8	10.6	50.9	8	SPI	UCS1903	125
24	G	4.8	26.3	126.2	8	SPI	UCS1903	125
24	B	4.8	4.7	22.6	8	SPI	UCS1903	125
24	RGB	11.5	17.4	200.1	8	SPI	UCS1903	125

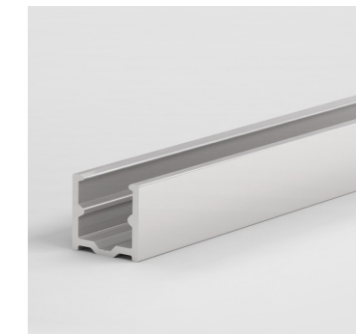## Accessory

Mounting Clips

22.84
13.4

Dimension:
20x13.4x22.84mm
Accessories:
Screw M3x15mm

Aluminium Profile

22.9
17.5
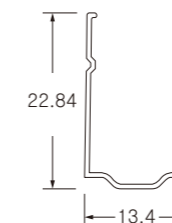
Dimension:
1000(±5)x17.5x22.9mm
Accessories:
Screw M3x15mm
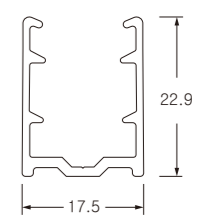
⚠ Aluminum profiles cannot be used in swimming pools.

IP68 SILICONE NEON 1615 USED UNDER WATER

▶ Made of Dow Chemical SILASTIC™ ET-7021 silicone, higher transparency and strength
▶ Integrated extrusion process, constant current IC design, 15m for one end power feed
▶ IP68 protection level, Chlorination resistant, can be used in swimming pool
▶ 3 years warranty, working life ≥30000 hours

2400K 2600K 3000K 4000K 6100K   2600K 6100K

R G B Y O P RGB SPI

One Bin | CRI>90 | Solvent resistant | Saltwater resistant | UV protected | 30000 hours Lifetime | LM80 Compliant | 3 YEARS WARRANTY

DIMENSIONS & WATERPROOF

L
20 16
16

15 ±0.25/-0.1
16 +0.25/-0.1

19 15
17
18
34

Unit: mm
Cross section

PRODUCT SPECIFICATION

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

Length Range(m)	Final Length (mm) Outlet from one end only	Outlet from both ends	Tolerance (mm)
0m<Length≤5m	L+19	L+30	±9
5m<Length≤10m	L+19	L+30	±13
10≤L≤15	L+19	L+30	±15

200mm
Luminous surface
Min bending diameter

Luminous surface
Bend vertical only

WHITE COLOR PARAMETERS

Part Number	CCT (K)	Power (w/m)	Efficiency (lm/w)	Lumen (lm/m)	Unit Length (mm)	Max Run Length (m)
NS-T1615T-W24	2250-2550K	10	37.0	370.0	50	15
NS-T1615T-W26	2450-2750K	10	37.0	370.0	50	15
NS-T1615T-W30	2850-3150K	10	37.5	375.0	50	15
NS-T1615T-W40	3700-4300K	10	41.0	410.0	50	15
NS-T1615T-W61	5700-6500K	10	37.5	375.0	50	15

SINGLE COLOR PARAMETERS

Part Number	Color (nm)	Power (w/m)	Efficiency (lm/w)	Lumen (lm/m)	Unit Length (mm)	Max Run Length (m)
NS-T1615T-R	Red(620-625nm)	10	17.4	174.0	50	15
NS-T1615T-G	Green(515-525nm)	10	48.9	489.0	50	15
NS-T1615T-B	Blue(460-465nm)	10	8.9	89.0	50	15
NS-T1615T-Y	Yellow(585-595nm)	10	17.8	178.0	50	15
NS-T1615T-O	Orange	10	18.4	184.0	50	15
NS-T1615T-P	Pink	10	43.7	437.0	50	15

TUNABLE COLOR PARAMETERS

Part Number	CCT (K)	Power (w/m)	Efficiency (lm/w)	Lumen (lm/m)	Unit Length (mm)	Max Run Length (m)
NS-T1615T-TW	2450-2750K	5	48.0	240.0	71.4	5
NS-T1615T-TW	5700-6500K	5	50.0	250.0	71.4	5
NS-T1615T-TW	3700-4300K	10	49.0	490.0	71.4	5

RGB COLOR PARAMETERS

CCT (k)	CRI	Power (w/m)	Efficiency (lm/w)	Lumen (lm/m)	Unit Length (mm)	Max Run Length (m)
R	–	3.3	16.5	54.45	71.4	5
G	–	3.3	61.0	201.3	71.4	5
B	–	3.3	12.0	39.6	71.4	5
RGB	–	10	29.5	295.0	71.4	5

DIGITAL RGB COLOR PARAMETERS

Voltage (v)	CCT (k)	Power (w/m)	Efficiency (lm/w)	Lumen (lm/m)	Pixel (PCS)	Signal Type	IC Model	Unit Length (mm)
24	R	4.8	15.3	73.5	8	SPI	UCS1903	125
24	G	4.8	37.9	182.0	8	SPI	UCS1903	125
24	B	4.8	6.8	33.0	8	SPI	UCS1903	125
24	RGB	11.5	25.0	288.0	8	SPI	UCS1903	125

Accessory

Mounting Clips

18
18

Dimension:
20x18x18mm
Accessories:
Screw M3x15mm

Aluminium Profile

17.6
20.5
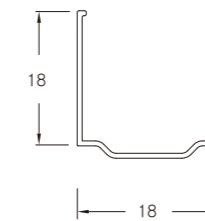
Dimension:
1000(±5)x20.5x17.6mm
Accessories:
Screw M3x15mm
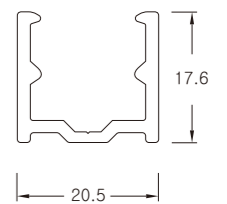
⚠ Aluminum profiles cannot be used in swimming pools.

FLEX LED WALL WASHER

Flex LED wall washer, adopting TPU material, it's resistant to yellowing, high temperature, corrosion, weak acid and alkali, and has great flexibility. PU glue is used for filling and sealing, so that it has strong adhesion, good durability and high reliability. It can replace the traditional hard wall washer light or LED strip. It's small in size, light in weight, flexible and easy to install. Various beam angles (30°, 45°, 60°, 20*45°) are available for different applications. With low voltage DC24V, higher safety factor.

PU SERIES Single color 48LEDs

▶ U-shapes TPU + PU coating materials, it resistant to yellowing, high temperature, corrosion, weak acid and alkali.

▶ Replaced traditional hard wall washer light, smaller sizes, lighter weights, flexible and easy to install.

▶ Self-encapsulated design offers optional 2700-6000K.

▶ Various beam angles (30°, 45°, 60°, 20*45° are available for different applications.

2700K 3000K 4000K 6500K | CRI >90

One Bin | Dimmable | Cuttable | 5m/Reel | 50000 hours Lifetime | LM80 Compliant | 5 YEARS WARRANTY

DIMENSIONS & WATERPROOF

PRODUCT SPECIFICATION
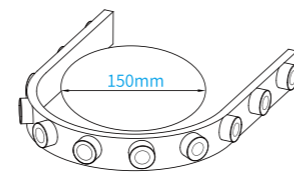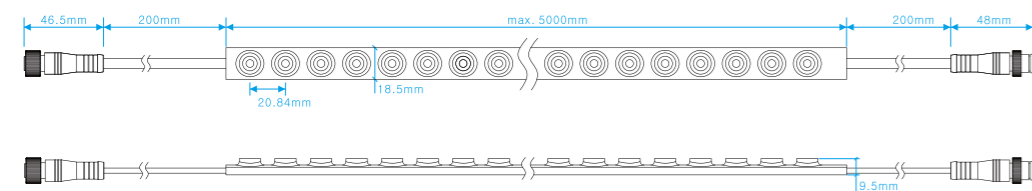
Dimension	5000mmx18.5mmx9.5mm	Power(W)	18Watt/meter
Chip density	48LED,20.8mm LED pitch	Voltage(V)	DC24V
Step LEDs	6LED	Current(A/m)	0.75A
Step length	125mm	Ambient temperature	−20°C~+50°C

Light Distribution CURVE [Unit: cd]

C0/180, 29.3°
C90/270, 30.8°
Beam angle:30.0°
Beam angle:30°

C0/180, 47.7°
C90/270, 49.5°
Beam angle:48.6°
Beam angle:45°

C0/180, 68.7°
C90/270, 67.0°
Beam angle:67.8°
Beam angle:60°

C0/180, 23.0°
C90/270, 41.0°
Beam angle:32.0°
Beam angle:20°*45°
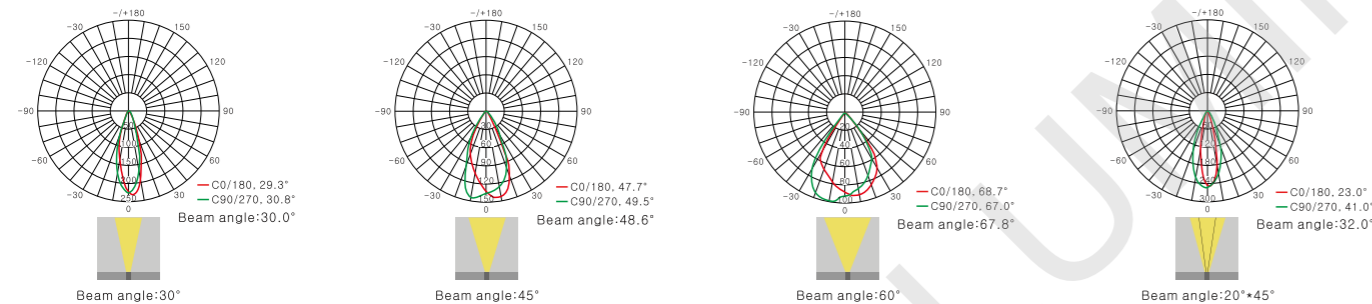
PRODUCT PHOTOMETRICS (The data base on 24V)

CCT (K)	Lumen (lm/m)	Efficacy (lm/w)	CRI	R9	Rf (Fidelity)	Rg (Gamut)	EEI Class
▶ 2700±100	1851	100.83	92.33	62.26	90.55	99.88	A⁺
▶ 3000±100	1915	106.38	93.25	64.51	92.36	100.39	A⁺
▶ 4000±200	2167	120.38	92.93	65.28	94.55	101.19	A⁺
▶ 6500±300	1949	108.27	94.62	66.88	93.98	101.28	A⁺

Order code: LY48-FW2835 W30 -24-IP67- 30° → deg.:30°/45°/60°/20*45°

→ CCT:W27/W30/W40/W65

PU SERIES RGBX color 42LEDs

▶ U-shapes TPU + PU coating materials, it resistant to yellowing, high temperature, corrosion, weak acid and alkali.

▶ Replaced traditional hard wall washer light, smaller sizes, lighter weights, flexible and easy to install.

▶ Various beam angles (15°, 30°,45°, 20*60° are available for different applications.

3000K 4000K 5000K | RGB | RGBW | CRI >70 | One Bin

Dimmable | Cuttable | 5m/Reel | 50000 hours Lifetime | LM80 Compliant | 5 YEARS WARRANTY

DIMENSIONS & WATERPROOF

PRODUCT SPECIFICATION
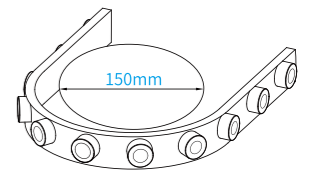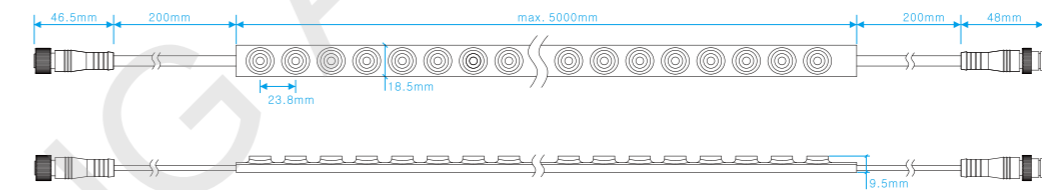
Dimension	5000mmx18.5mmx9.5mm	Power(W)	8.5Watt/meter
Chip density	42LED,23.8mm LED pitch	Voltage(V)	DC24V
Step LEDs	6LED	Current(A/m)	0.35A
Step length	166.6mm	Ambient temperature	−20°C~+50°C

PRODUCT PHOTOMETRICS (The data base on IP20 RGB)

	Color	Power (w/m)	Lumen (lm/m)	Efficacy (lm/w)	Wavelength (nm)	CCT (K)	CRI
▶	Red	2.3	72	31.30	620~630	–	–
▶	Green	2.1	156	74.29	520~530	–	–
▶	Blue	1.8	34	18.89	460~470	–	–
▶	RGB	6.2	264	42.58	–	42400	48.18

PRODUCT PHOTOMETRICS (The data base on IP20 RGBW)

	Color	Power (w/m)	Lumen (lm/m)	Efficacy (lm/w)	Wavelength (nm)	CCT (K)	CRI
▶	Red	2.2	77.0	35.0	620~630	–	–
▶	Green	2.1	212.1	101.0	518~530	–	–
▶	Blue	2	45.0	22.5	464~474	–	–
▶	RGB	6.2	264	42.58	–	42400	48.18
▶	W	1.8	211	117.2	–	–	–
▶	RGBW	8	540.0	67.5	–	–	–

Order code: LY42-FW3535 RGB -24-IP67- 30° → deg.:15°/30°/45°/15*60°

→ Color:RGB/RGBW30/RGBW40/RGBW50

PU SERIES DMX512 36LEDs

▸ Adopting TPU material, it's resistant to yellowing, high temperature, corrosion, weak acid and alkali,and has great flexibility.
▸ PU glue is used for filling and sealing, so that it has strong adhesion, good durability and high reliability.
▸ It can replace the traditional hard wall washer light or LED strip. It's small in size, light in weight, flexible and easy to install.
▸ Various beam angles (15°, 30°, 45°, 15*60°) are available for different applications.
▸ With low voltage DC24V, higher safety factor

RGB

One Bin | Dimmable | Cuttable | 5m/Reel | 50000 Hour Lifetime | LM80 Compliant | 5 YEARS WARRANTY
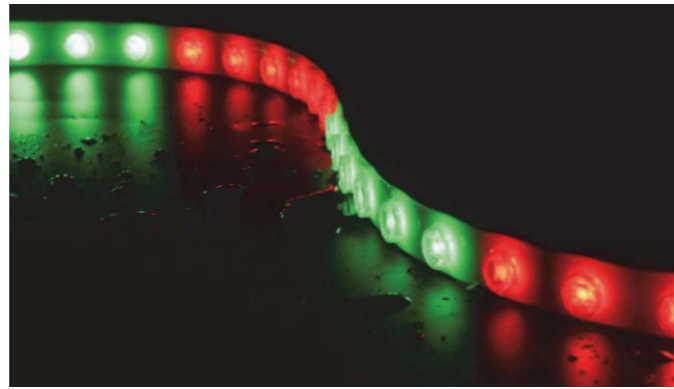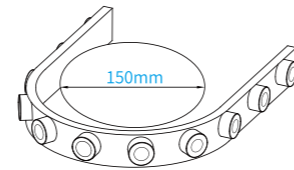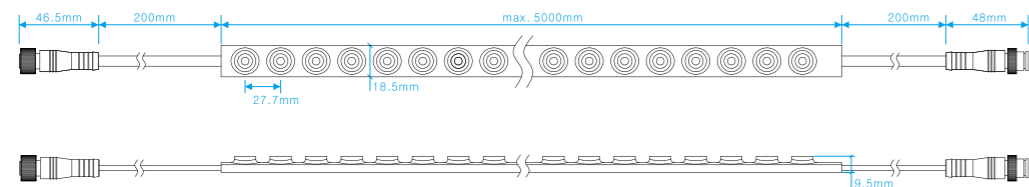
DIMENSIONS

PRODUCT SPECIFICATION

Dimension	5000mmx18.5mmx9.5mm	Power(W)	8.5Watt/meter
Beam angle	15° / 30° / 45° / 15×60°	Voltage(V)	DC24V
Pixel(pix/m)	6	Current(A/m)	0.35A
Gray Scale	256	Cutting Length	166.6
Control Mode	DMX512	Ambient temperature	−20°C~+50°C

PRODUCT PHOTOMETRICS (The data base on IP20 RGB)

Color	Power (w/m)	Lumen (lm/m)	Efficacy (lm/w)	Wavelength (nm)	CCT (K)	CRI
▸ Red	4	61.2	15.3	620~630	–	–
▸ Green	4	137.2	34.3	520~530	–	–
▸ Blue	4	35.2	8.8	460~470	–	–
▸ RGB	8.5	230.4	27.1	–	43502	49.22

Accessory

3M Tape | Silicone Mounting Clips | Stainless steel Mounting Clips | Aluminum Mounting Profile
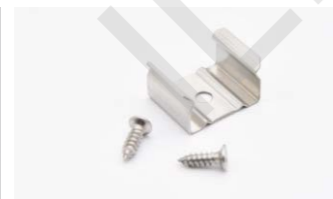
Order code: LY42−FW3535RGB−DMX512−24−IP67−30° → deg.:15°/30°/45°/15×60°

SILICONE FREE BEND SERIES

Product features

− Using optical grade environmental protection silicone material, salt resistance, acid and alkali corrosion resistance, flame retardant, UV resistance;
− The free bending structure design can perfectly fit the outdoor curved surface of various arcs to achieve the
− effect of wall washing
− Integrated extrusion molding process, waterproof grade up to Ip65;
− Patented optical structure design, a variety of angles optional;
− Hidden end cap design, easy to install;

RoHS CE 3 YEARS WARRANTY

Product Dimension

Bending Diametet

Basic Parameters

Input Voltage	24V		Working temperature	-25°C~+40°C
CRI	>80		Cuttable length	250mm
Beam angle	15 /30 /50 /20*35 /18*20 /20*		Waterproof level	IP65
LEDs / M	24LEDs		Max. run length	5m
Warranty period	3 years		Net weight	590g/m
Control mode	PWM			

Note: RGBW only has beam angle: 35° / 30°x45°.

White color parameters

CCT	LEDs/m	Power(W/M)	CRI	LM/M	LM/W
2700K (2500K~2850K)	24	24	80	1525	63.5
3000K (2800K~3200K)		24	80	1580	65.8
4000K (3800K~4200K)		24	80	1545	64.4
6500K (6200K~6800K)		24	80	1480	61.7

Tunable white parameters

CCT	LEDs/m	Power(W/M)	CRI	LM/M	LM/W
2700K only (2500K~2850K)	24	12	80	850	70.8
6500K only (6200K~6800K)		12	80	840	70.0
2700K+6500K		24	80	1600	66.7

RGB color parameters

CCT	LEDs/m	Power(W/M)	LM/M	LM/W
Red only	24	6	150	25.0
Green only		6	260	43.3
Blue only		6	65	10.8
RGB		18	515	28.6

RGBW parameters

CCT	LEDs/m	Power(W/M)	LM/M	LM/W
Rer only	24	4.5	140	31
Green only		4.5	340	75
Blue only		4.5	64	14
White		4.5	380	84
RGBW		18	850	47

DMX512 RGB parameters

CCT	IC Type	LEDs/m	Pixels/m	Power(W/M)	LM/M	LM/W
Rer only	SM18522PH	24	4	6	145	24.2
Green only				6	360	60.0
Blue only				6	65	10.8
RGB				18	515	28.6

Note:
1. Test ambient temperature is 25°C(±2°C);
2. Brightness deviation is ±10%;
3. The Angle of the test sample is30°;

Light Distribution Curve

15

30°

50°

18*20°

20*35°

20*55°

Note: Test samples is 4000K

Aluminum Clip

Adjustable Angle Clip
(use with aluminum clips or profile)

LED ACCESSORY

The LED accessory series is a collection of components that can be used with LED strip lights, including LED controllers, power supplies, aluminum extrusions, connectors, and 3M double-sided tape.

These accessories provide a versatile and comprehensive solution for enhancing the performance and appearance of LED strip lights.

Connection Diagram

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

Power supply
AC170~260V input
DC24V output
Dimming controller

LED Controller

Single Color Controller

Type: **Controller**
Model:V1-L
Voltage:DC12V / DC24V
Current:<15A
Power:12V<180W, 24V<360W
Size:175x45x27mm

Type: **Touch Pad Remote**
Model:T11(T11-K)
Voltage: AC100~240V
Power:<1W
Size:86x86x33(49)mm

Type: **Hand-held Remote**
Model:RT1
Battery: AAA*2pcs
Current:5mA
Size:122x53x17.5mm

Tunable White Controller

Type: **Controller**
Model:V2-L
Voltage:DC12~36V
Current:2*8A
Power:<2*(96W, 192W, 384W)
Size:170x50x23mm

Type: **Touch Pad Remote**
Model:T12(T12-K)
Voltage: AC100~240V
Power:<1W
Size:86x86x33(49)mm

Type: **Hand-held Remote**
Model:RT2
Battery: AAA*2pcs
Current:5mA
Size:122x53x17.5mm

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

Power supply
AC170~260V input
DC24V output
Tunable white Controller

RGB Controller

Type: **Controller**
Model:V3-L
Voltage:DC12~36V
Current:3*6A
Power:<3*(72W,144W, 216W)
Size:175x45x27mm

Type: **Touch Pad Remote**
Model:T13(T13-K)
Voltage: AC100~240V
Power:<1W
Size:86x86x33(49)mm

Type: **Hand-held Remote**
Model:RT4(RT9)
Battery: AAA*2pcs
Current:5mA
Size:122x53x17.5mm
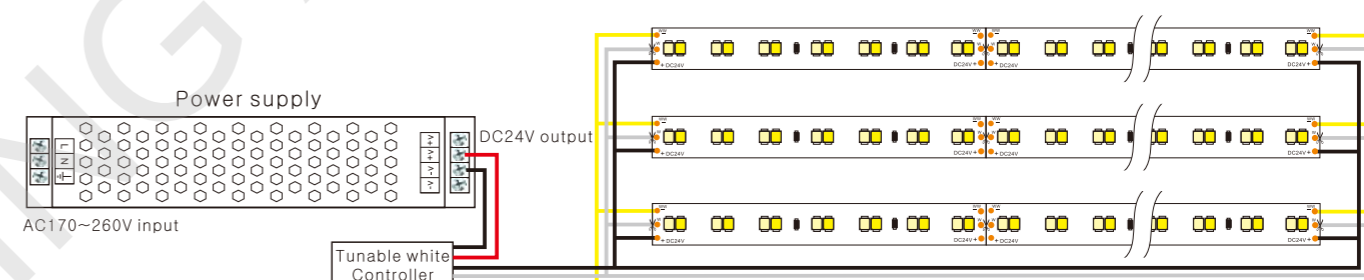
RGB Color Strip (3 channels controller,SMD5050,60LEDs,24V,item NO.:LY60-S5050RGB-W24)

Power supply
AC170~260V input
DC24V output
RGB controller

RGBW Controller

Type: **Controller**
Model:V4-L
Voltage:DC12V/DC24V
Current:3*5A
Power:12V<180W, 24V<360W
Size:175x50x23mm

Type: **Touch Pad Remote**
Model:T14
Voltage: AC100~240V
Power:<1W
Size:86x86x33mm

Type: **Hand-held Remote**
Model:RT4(RT9)
Battery: AAA*2pcs
Current:5mA
Size:122x53x17.5mm
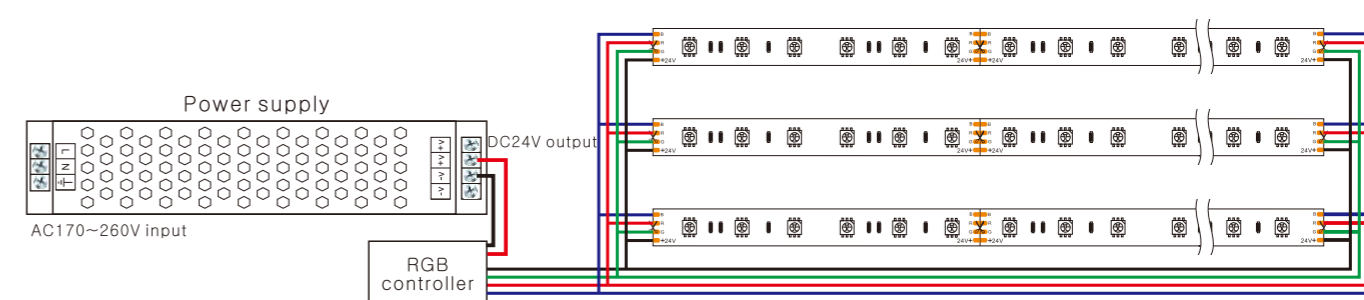
RGBW Color Strip (4 channels controller,SMD5050 4 in 1 LED,96LEDs,24V,item NO.:LY96-LS5050RGBW-W24)

Power supply
AC170~260V input
DC24V output
RGBW controller

Amplifier

Model:EV1
Voltage:DC5V~36V
Current:1*8A
Power:40~288W
Size:97x33x18mm

Model:EV2
Voltage:DC12V~36V
Current:2*8A
Power:12V<192, 24V<384W,36V<576W
Size:175x45x27mm

Model:EV3
Voltage:DC12V~36V
Current:3*6A
Power:12V<216, 24V<432W,36V<648W
Size:175x45x27mm

Model:EV4
Voltage:DC12V~24V
Current:4*5A
Power:12V<240W, 24V<480W, 36V<720W
Size:175x45x27mm

Connection Diagram

DMX & SPI Controller

DMX512 Controller

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

DMX512 Decorder

SPI DMX decoder
Model: DSA
Voltage: DC5V~DC24V
Input: DMX512 + RF2.4GHz
Output: SPI (TTL)x3
Interface: XLR-3, RJ45 port
Dimension: 165x70x37mm
Weight(G.W.): 330g

RGB DMX decoder
Model: D3-XE
Voltage: DC12V~DC36V
Input: DMX512/1990, 30.5A
Output: 10A*3CH
Interface: XLR-3, RJ45 port
Dimension: 165x70x37mm
Weight(G.W.): 330g

SPI Controller

Magic strip controller
Model: SCR9
Voltage: DC5V~DC24V
Output: Max 8A
Pixels: Max 1024pixels
Output power: 40W(5V)/96W(12V)/192W(24V)
Dimension: 97x33x18mm
Weight(G.W.): 110g

DMX512 Strip (DMX512 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, avaliable on our website.
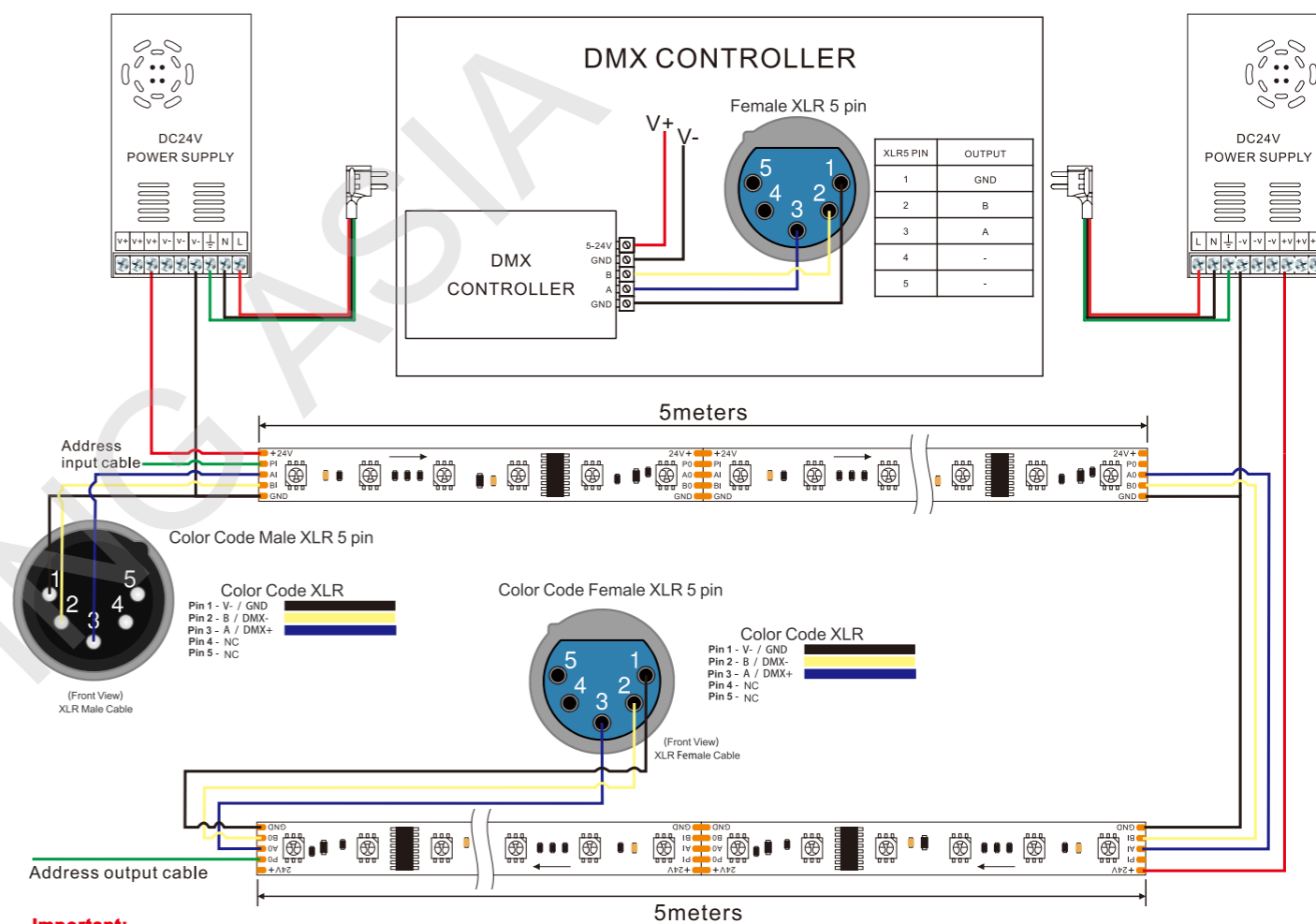
SPI Strip (Magic strip controller, SK6812 RGB, SMD5050, 60LEDs, DC5V, item NO.: LY60-SK6812RGB-W5)
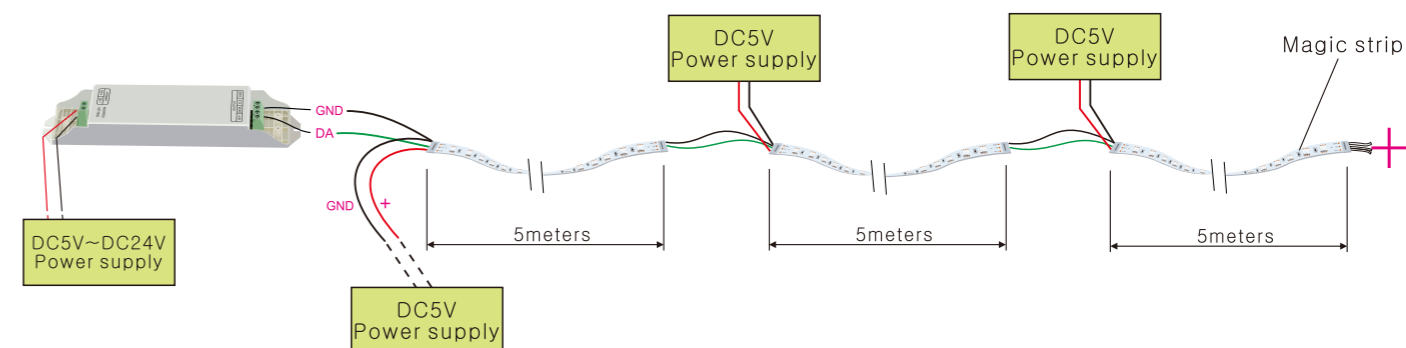
LED Power Supply

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

Aluminum Profile

Surface mounted

LS1506B	LS1612B	LS1612H	LS1707D	LS1715B	LS2216	LS2208	LS2310

Recessed series
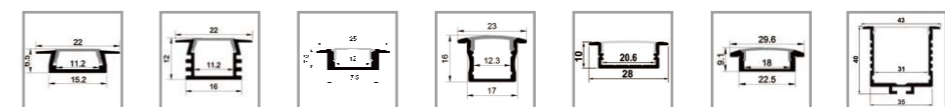
LE2206B	LE2212B	LE2507B	LE2515B	LE2810	LE2908	LE3535G

Corner series

LC1616	LC3030	LC3030B	LC1919B	LC1919C	LC1919F	LC1919E

Pendant series

LP1212B	LP2020	LP3030P	LP6060	LP3535C	LP5078	LP9038

Waterproof series
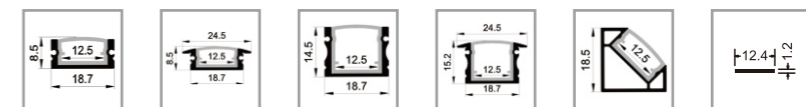
L1707W	L2507W	L1715W	L2515W	L1919W	L1201W

Shelf Magnetic series
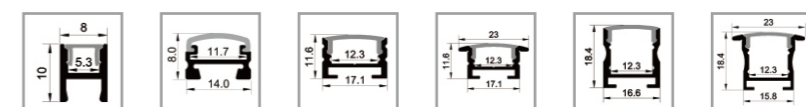
LM0810	LM1408	LM1712	LM2512	LM1718	LM2518

Special Series

Mini Sereis
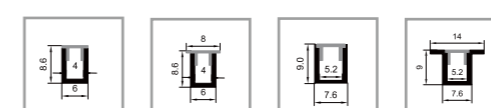
LN0609	LN0609B	LN0809	LN0814

Wall series
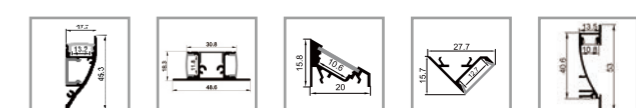
LW1844	LW1848	LW2112	LW2215	LW5313

Bending Series
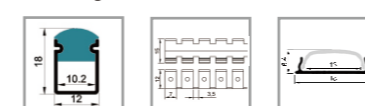
LB1018R	LB1018S	LB1807

Floor Series
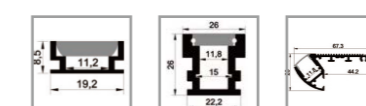
LF1908	LF2626	LF6628

Clothespress Series
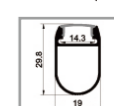
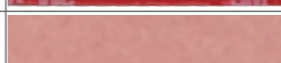| |
|---|
| LH1929 |

LED Strip Connector

LED strip connectors are designed to allow you to make solderless connections to LED strip lights. They work by inserting the LED strip into the connectors. The contact pads on the LED strip slide underneath the contact prongs on the connector, completing the electrical circuit.

LED Strip Adhesive Tapes

Adhesive tape is a very critical component. If the quality of the double-sided tape is not good, the LED strip will fall off from where it is installed.We provide different types of adhesive tapes according to the various LED strip scenarios.

Adhesive Tape	Picture	Usage Scenarios	Adhesive Thickness Mils(mm)	Adhesion to Stainless Steel
3M 200MP		Normal Indoor Use	5.2mils(0.13mm)	7.0N/CM
3M 300MP		Normal Indoor Use	4.8mils(0.13mm)	8.6N/CM
3M 9080		Normal Indoor Use	12.8mils(0.32mm)	7.5N/CM
3M VHB 5608N		Indoor or Outdoor Use	30.4mils(0.76mm)	20.0N/CM
tesa 4965		For Aluminum Profile	8.2mils(0.205mm)	14.0N/CM
Blue Thermal Tape		For High Power Strip	4.0mils(0.1mm)	6.0N/CM