



BY RISING SUN

2024-2025 Catalogue

2024-2025 PRODUCT SELECTION



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Why Choose US?

01

EFFICIENT & PROFESSIONAL SERVICES

Customized spec support, label service.
Customer first, 24 hours response policy.
Technical, Sales, Marketing team service.

02

RELIABLE LED INDUSTRY EXPERIENCE

10 years specializing in R&D, production and sales of high-quality LED strips.
Long-term supplier declaration to maintain friendly relations of cooperation.

03

WIDE PRODUCT OPTIONS

SMD3528, SMD5050, SMD2835, SMD2216, SMD3014, SMD5730, SMD2110
High CRI, High efficiency, Super thin, Multi-color, Constant current.
IP20, IP54, IP65, IP67, IP68 options for indoor and outdoor application.

04

STRONG PRODUCTION CAPACITY & FAST DELIVERY TIME

4 lines full-automatic SMT workshop, 6 soldering groups, 10 aging lines and 2 packaging lines.
1 million+ average monthly production capacity.
In 3 weeks can ship out 95% standard items.

05

OEM & ODM

Different OEM & ODM service to help wholesaler, retailer or project orders.
Wide color options, based on the ERP or ANSI[CIE] standard. Smaller CCT tolerance.
One-Bin supplied, 2-3-5 SDCM, High color consistency.
Customized wattage per meter and lumen per meter, Customized wire layout.

06

STRICT QUALITY CONTROL

Operations accredited to ISO 9001 : 2015.
5 Steps for quality control, IQC, IPQC, OQC, OE and QM.
All LEDs are LM-80 available.

08

CORE VALUE CUSTOMER SUPPORT

We are glad to update newest researches and product promotion news as a priority.
Best price support. Raw materials reserve stock in advance to shorten the lead time.

07

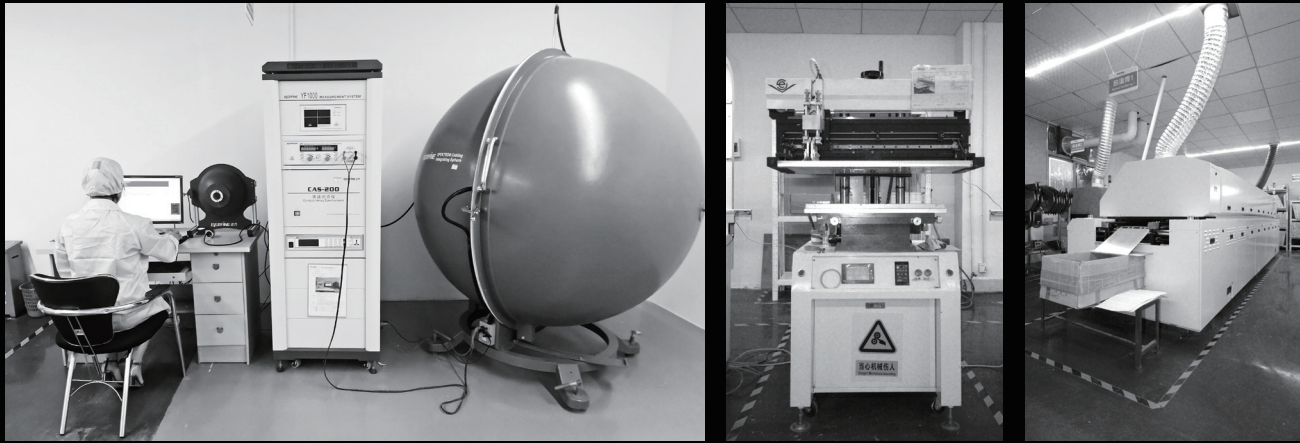
WORLDWIDE CERTIFICATES&NATIONAL PATENTS

All of our product are CE and RoHs certified by SGS or TUV Lab.
All of our product are cULus listed.
IEC-EN62598, EN60529, EN62471, EN62493 approved.
More than 20 patents for inventions and utility models.

09

COMFORTING AFTER-SALES

Up to 3-5 years warranty. Any problem with our product, we solve it within 7 days.
Our product manager is always here ready to service you if you have any questions or problems.
Regular customer satisfaction investigation, to improve the customer experience.
Relaxing and pleasant cooperation is our pursuit.

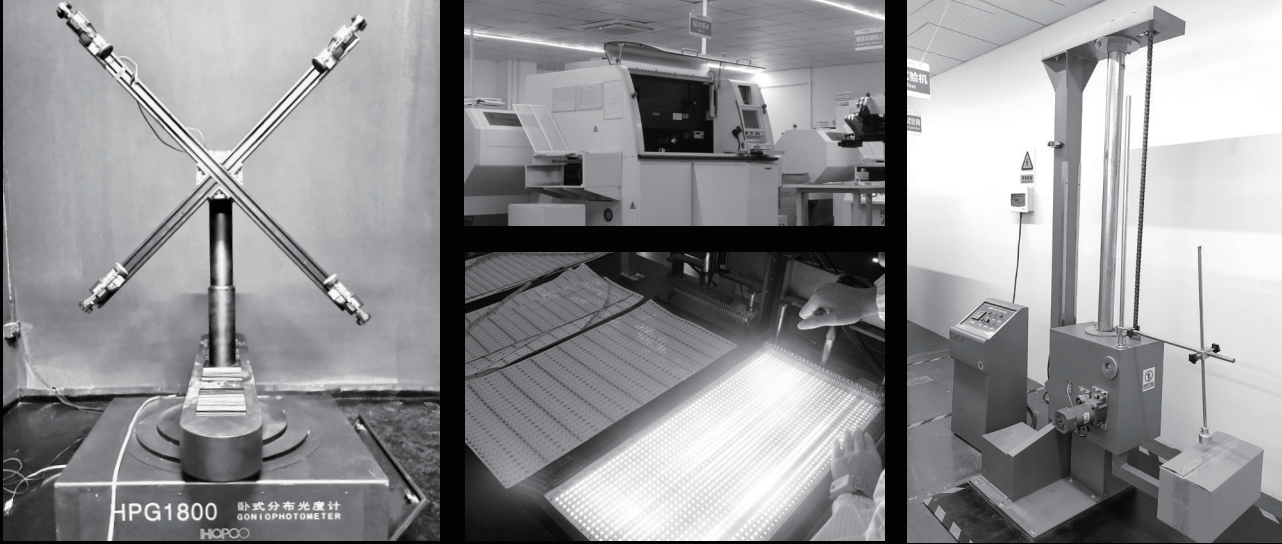


Products Equipment And Laboratory Functions

We have 4 lines high speed full-automatic SMT workshop, 6 soldering groups, 10 aging lines and 2 packaging lines. More than 30 well-trained workers. And professional laboratory for the product test as below:

Material Testing:

1. Strain Relief Test. To test the PCB max. tensile force.
2. Twisting Test. To test the strip anti-twist ability, the strength of the LED bracket, fold resistance and solder stability test of PCB.
3. Salt Spray Test. To test the product for corrosion resistance, based on IEC 68-2-11.
4. UV Accelerated Weathering Test. Simulated solar radiation. To test the material whether is anti-UV. Test Standard : ASTM-G154



Life Testing

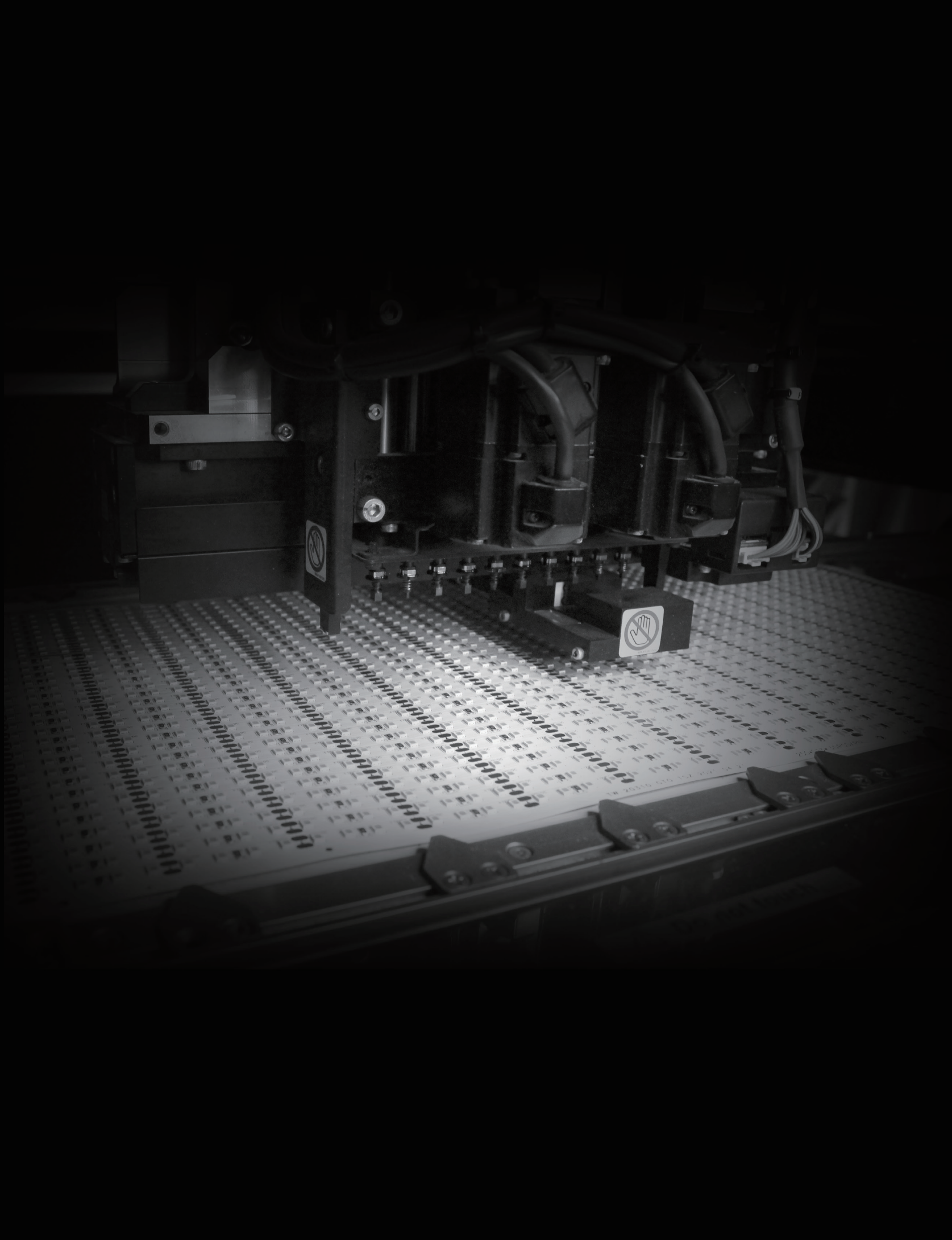
1. Working Temperature Test. Dot temperature control, to check the heat dissipation performance.
2. Lumen Flux Maintenance Test. Long time lighting and aging, to record the test data for lumen depreciation test.
3. Switching Test. Automatic uninterrupted switching(on/off), to test the ability to withstand the impact of transient currents. Guarantee the lifetime of products, which based on CIE : 127/GB-T24824.

Reliability Testing

1. Thermal Shock Test. Alternating heating and cooling. Instantaneously change -40°C — 150°C . Get the test result which have chemical change or physical injury caused by expansion and contraction with heat in a short time. Based on IEC60068-2-14.
2. Power Temperature Cycle Test. -40°C — 65°C , Continuous simulation of environment operation, by control the temperature and humidity; To test the product if can be used normally in constant temperature and humidity environment. Based on IEC 60068.
3. 3M adhesive Tape Drop Test. To test the 3M tape viscosity, make sure the reliability of the 3M in using environment.
4. Drop Test. Simulation of dropping. Free fall that may be encountered during handling, test the ability to resist accidental impact.
5. Vibration Test. Simulating the damage caused by bumps in the car transportation, used to identify the ability of a product to withstand environmental vibrations. To improve the material and packaging quality. Test Standard : ISTA-1A

Optical Testing

1. Integrating Sphere Test. Parameters such as lumen, power and color temperature, CRI(Ra) etc.
2. IES / Goniophotometer Test. To get the IES data (Such as lumen, illumination, luminous efficiency, distribution curve flux, UGR index, etc.), meets the requirement CIE and IESNA standards.

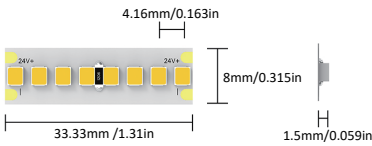


HIGH EFFICIENCY SERIES

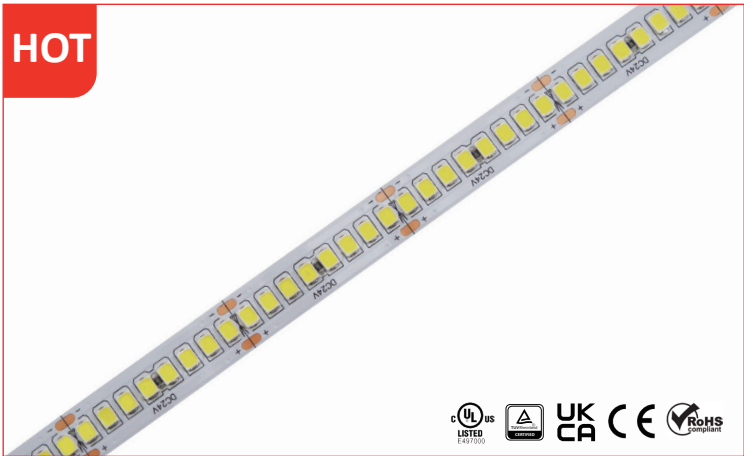
01RS-HE2835-24V-240D-8-20

2835 240LEDS/M

- Pass (EU) 2019/2020 regulation, Eco design conformed.
- Light efficiency up to 130LM/W, 150LM/W.
- Color temperature between 1800-10000K is optional.
- CRI90 Standard.
- Operate longer life and better for energy saving.



HOT



Basic Parameters

Power	20W/m	6.09W/ft
Input Voltage	24VDC	24VDC
Input Current	0.84A/m	0.256A/ft
Cutting Unit	8LEDs/33.33mm	8LEDs/1.31in
Bead spacing	33.33mm	0.163in
Size	5000×8×1.5mm	196.85×0.315×0.059in
Bend Diameter	>60mm	>2.36in
Copper foil	3oz	3oz

Luminous Intensity Distribution

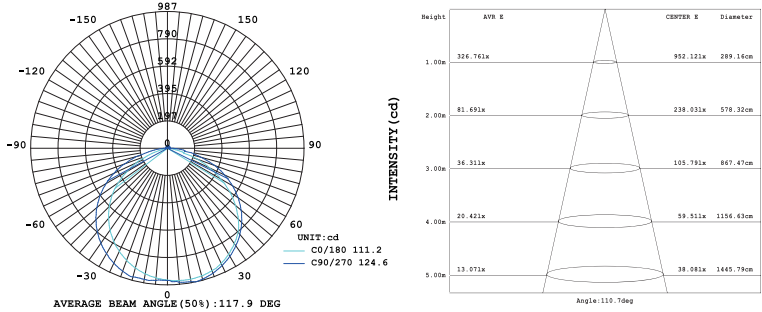


Photo-electric Parameters

CRI	CCT (K)	LM/M	LM/ft	LM/W	Energy Efficiency CLASS
>90	2700K	2560	780	128	E
	3000K	2560	780	128	E
	4000K	2660	818	133	E
>90	2700K	2940	896	147	D
	3000K	2940	896	147	D
	4000K	3000	914	150	D

KEY FEATURES

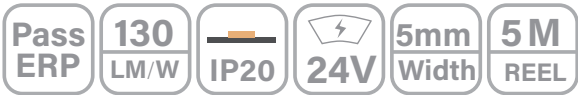
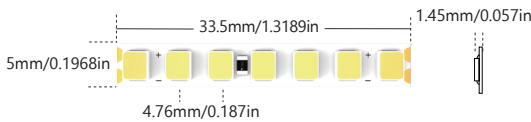


SUPER NARROW SERIES

02RS-UN2835-24V-210D-05-20

2835 210LEDS/M

- Pass (EU) 2019/2020 regulation, Eco design conformed.
- Ultra-narrow, only 5mm width, for more limited places.
- Adopt high output SMD2835 LEDs with uniform illumination.
- Better anti-bending, anti-breaking capacity.
- CRI90+ standard, CRI95/98 available.



Basic Parameters

Power	10W/m	3.05W/ft
Input Voltage	24VDC	24VDC
Input Current	0.416A/m	0.127A/ft
Cutting Unit	7LEDs/33.5mm	7LEDs/1.318in
Bead spacing	4.76mm	0.187in
Size	5000×5×1.45mm	196.85×0.196×0.057in
Bend Diameter	>60mm	>2.36in
Copper foil	3oz	3oz

Luminous Intensity Distribution

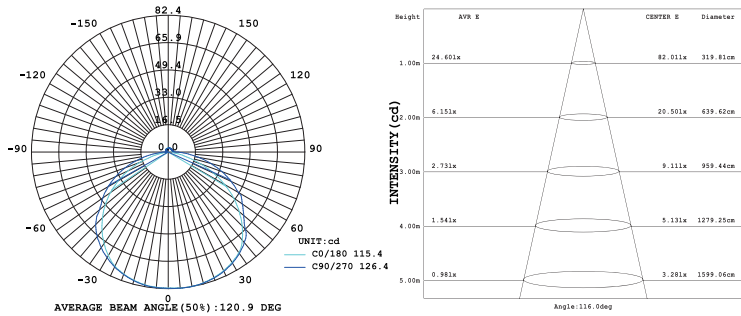


Photo-electric Parameters

CRI	CCT (K)	LM/M	LM/ft	LM/W	Energy Efficiency CLASS
>90	2700K	1380	421	138	E
	3000K	1380	421	138	E
	4000K	1430	436	143	E

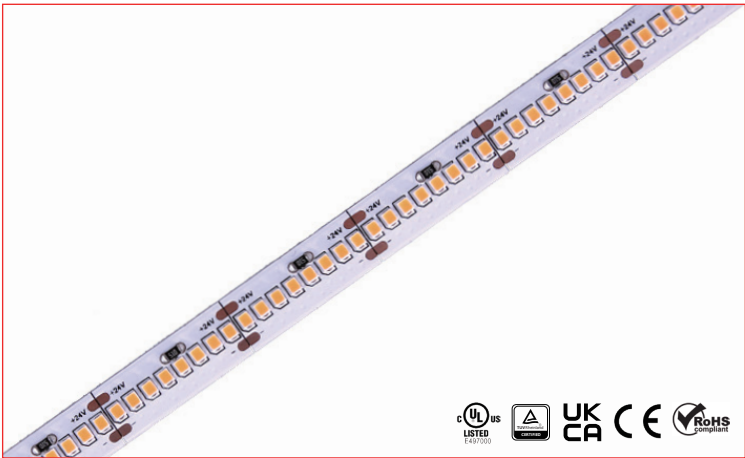
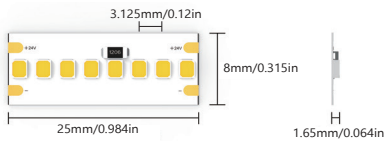
KEY FEATURES



03RS-HD2835-24V-320D-8-20

2835 320LEDS/M

- Extreme high density of 2835, with the best linear effect.
- Source by more cost-effective SMD2835 with uniform illumination.
- Each circuit section 8 LEDs, available to achieve high efficiency.



Pass ERP
150 LM/W
25mm CUT
IP20
24V
8mm Width
5 M REEL

Basic Parameters

Power	12W/m	3.66W/ft
Input Voltage	24VDC	24VDC
Input Current	0.5A/m	0.152A/ft
Cutting Unit	8LEDs/25mm	8LEDs/ 0.984in
Bead spacing	3.125mm	0.12in
Size	5000×8×1.65mm	196.85x0.315x0.064in
Bend Diameter	>60mm	> 2.36in
Copper foil	3oz	3oz

Luminous Intensity Distribution

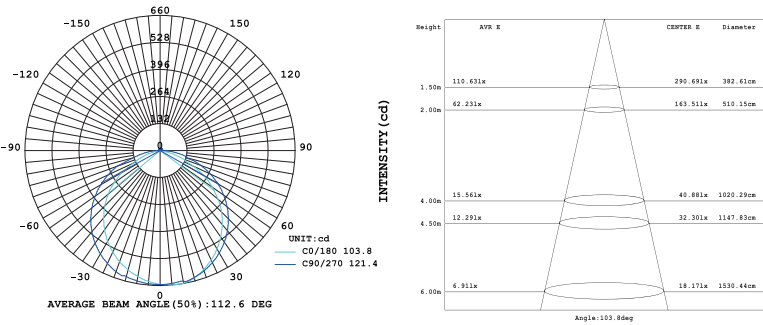


Photo-electric Parameters

CRI	CCT (K)	LM/M	LM/ft	LM/W	Energy Efficiency CLASS
>90	3000K	1752	534	146	D
	4000K	1884	574	157	D

KEY FEATURES

LONG LED LIFESPAN

FLEX & CURVE

CUTTABLE

CUSTOM LENGTHS

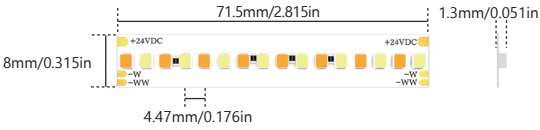
CUSTOM COLOR TEMPS

CONSISTENT LIGHT COLOR

04RS-CA2835-24V-224D-8-20

2835 224LEDS/M

- Dual color adjustable, tunable white 2700K-6500K.
- Pass (EU) 2019/2020 regulation.
- Source by high output 2835 Led with uniform illumination.
- Standard is CRI90+.
- High Brightness, Efficiency, Customized wattage, Luminous Flux per M.



Pass ERP
Dual Color
IP20
24V
8mm Width
5 M REEL

Basic Parameters

Power	19.2W/m	5.8W/ft
Input Voltage	24VDC	24VDC
Input Current	0.8A/m	0.24A/ft
Cutting Unit	16LEDs/71.5mm	16LEDs/2.815in
Bead spacing	4.47mm	0.175in
Size	5000×8×1.5mm	196.85×0.315×0.051in
Bend Diameter	>60mm	> 2.362in
Copper foil	3oz	3oz

Luminous Intensity Distribution

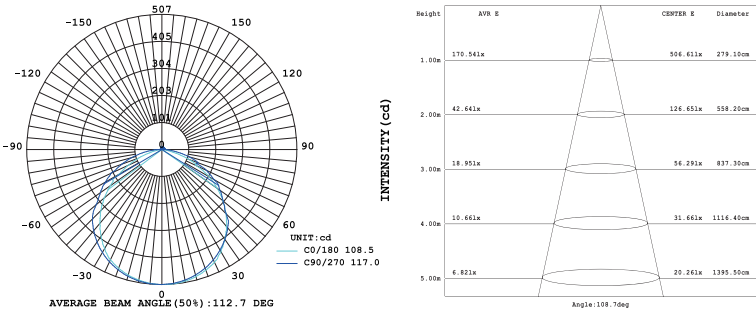


Photo-electric Parameters

CRI	CCT (K)	LM/M	LM/ft	LM/W	Energy Efficiency CLASS
>90	2700K	1123	342	117	E
	4000K	2304	702	120	E
	6000K	1296	395	135	E

KEY FEATURES

LONG LED LIFESPAN

FLEX & CURVE

CUTTABLE

CUSTOM LENGTHS

CUSTOM COLOR TEMPS

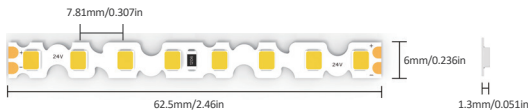
CONSISTENT LIGHT COLOR

S SHAPE SERIES

05 RS-SHE2835-24V-128D-06-20

2835 128LEDS/M

- Special S type PCB design, bendable in every way.
- 8LEDS/segment, high efficiency solution available to get to D rank.
- Pass (EU) 2019/2015, Eco design compliant.
- Suitable use for advertising signage, text art and ballot.
- CCT optional between 1800K-10000K.



Pass ERP

S TYPE

150 LM/W

IP20

24V

6mm Width

5 M REEL

Basic Parameters

Power	10W/m	3.05W/ft
Input Voltage	24VDC	24VDC
Input Current	0.416A/m	0.127A/ft
Cutting Unit	8LEDS/62.5mm	8LEDS/2.46in
Bead spacing	7.81mm	0.307in
Size	5000×6×1.3mm	196.85×0.236×0.051in
Bend Diameter	>60mm	>2.362in
Copper foil	2oz	2oz

Luminous Intensity Distribution

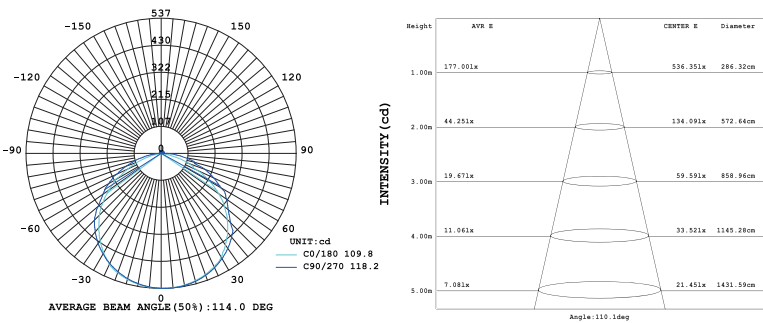


Photo-electric Parameters

CRI	CCT (K)	LM/M	LM/ft	LM/W	Energy Efficiency CLASS
>90	2700K	1510	460	151	D
	3000K	1510	460	151	D
	4000K	1590	485	159	D

KEY FEATURES

LONG LED LIFESPAN

FLEX & CURVE

CUTTABLE

CUSTOM LENGTHS

CUSTOM COLOR TEMPS

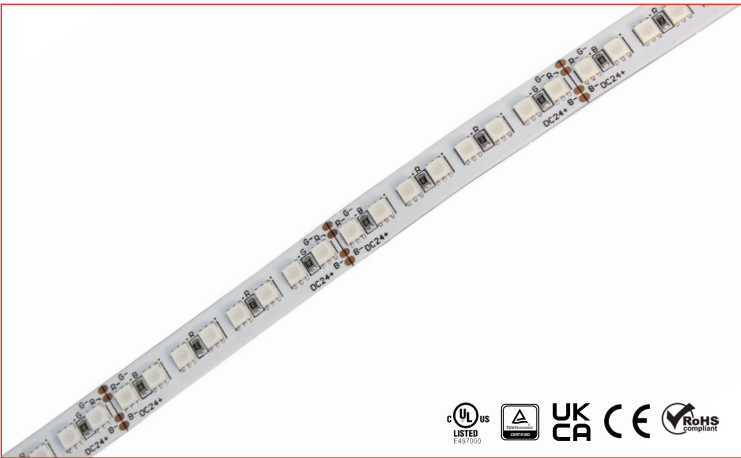
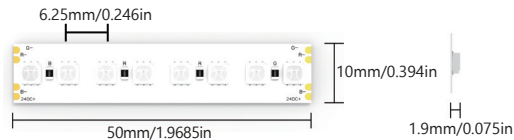
CONSISTENT LIGHT COLOR

MULTI-COLOR SERIES

06 RS-RGB3838-24V-160D-10-20

3838 160LEDS/M

- 160leds/m, high density and widely use;
- Apply Top 3838 LED as light source, RGB color changing;
- Compatible with most of RGB controllers in the markets;
- Ideal for office, residential, retail and industry lighting.



RGB

IP20

24V

10mm Width

5 M REEL

Basic Parameters

Power	16W/m	4.88W/ft
Input Voltage	24VDC	24VDC
Input Current	0.687A/m	0.209A/ft
Cutting Unit	8LEDS/50mm	8LEDS/1.9685in
Bead spacing	6.25mm	0.246in
Size	5000×10×1.9mm	196.85×0.394×0.075in
Bend Diameter	>60mm	>2.362in
Copper foil	3oz	3oz

Luminous Intensity Distribution

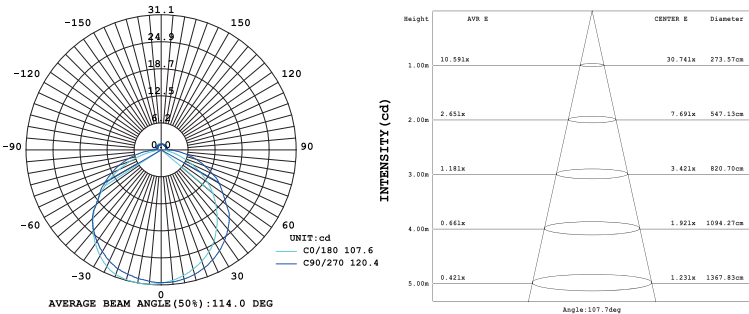


Photo-electric Parameters

COLOR	LM/M	LM/ft	LM/W
RGB	780	238	49

KEY FEATURES

LONG LED LIFESPAN

FLEX & CURVE

CUTTABLE

CUSTOM LENGTHS

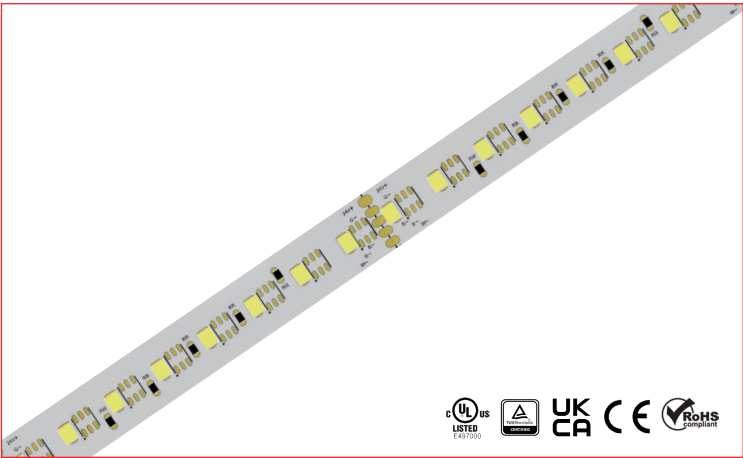
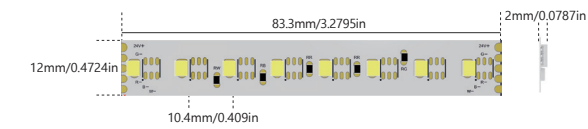
CUSTOM COLOR TEMPS

CONSISTENT LIGHT COLOR

MULTI-COLOR SERIES

07 RS-RGB3838+HE2835-24V-96D+96D-12-20 3838&2835 192LEDs/M

- 96 pcs 3838RGB + 96 pcs 2835 White;
- White Color temperature between 1800-10000K is optional;
- Compatible with most of RGBW controllers in the markets;
- 24V DC input, less heat and voltage drop than 12V DC.



RGBW

IP20

24V

12mm Width

5 M REEL

Basic Parameters

Power	22W/m	6.7W/ft
Input Voltage	24VDC	24VDC
Input Current	0.917A/m	0.28A/ft
Cutting Unit	16LEDs/83.3mm	16LEDs/3.2795in
Bead spacing	10.4mm	0.409in
Size	5000×12×2mm	196.85×0.4724×0.0787in
Bend Diameter	>60mm	>2.362in
Copper foil	3oz	3oz

Luminous Intensity Distribution

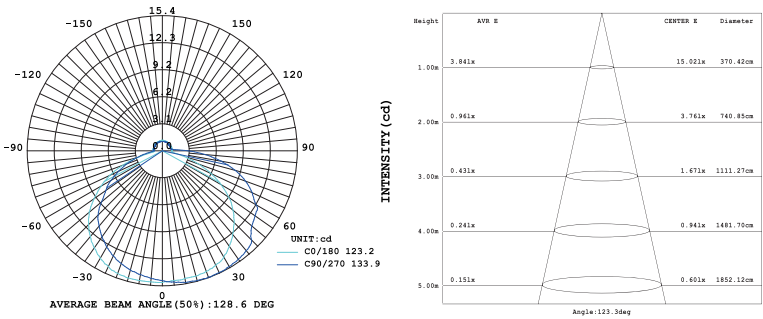


Photo-electric Parameters

CRI	CCT (K)	LM/M	LM/ft	LM/W
>90	RGB RGB	420	128	35
	3000K/4000K Orange	1400	427	140
	RGBW RGBW	1760	536	80

KEY FEATURES

LONG LED LIFESPAN

FLEX & CURVE

CUTTABLE

CUSTOM LENGTHS

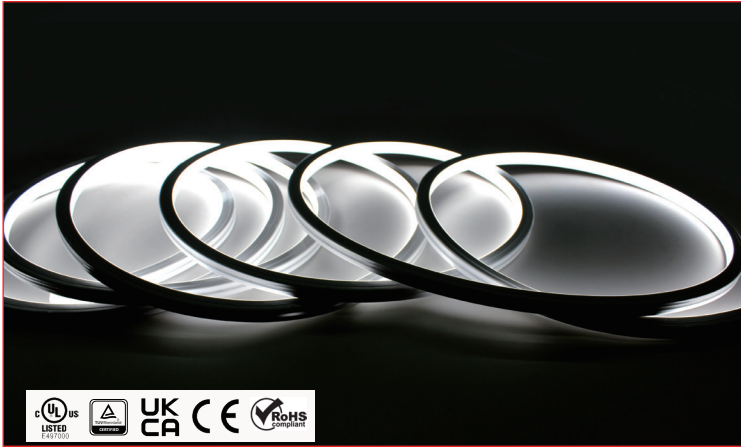
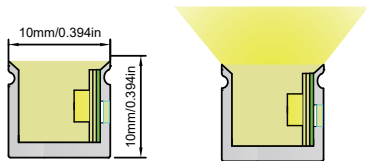
CUSTOM COLOR TEMPS

ONE BIN ONLY
CONSISTENT LIGHT COLOR

SIDE BEND SERIES

08 RS-1010-24V06-2835S-160D 1010 160LEDs/M

- 10mm width flat luminous surface.
- High quality silicone, anti-yellowing.
- Good flexibility, good bending, easy modeling and anti-pulling force.
- Silicone extrusion process, IP67 protection level.
- Applied for indoor&outdoor decorative lighting and architectural outline lighting etc.
- Custom Cable.



SIDE VIEW

UV Resistant

IP67

24V

5 M REEL

Basic Parameters

Power	10W/m	3.05W/ft
Input Voltage	24VDC	24VDC
Input Current	0.417A/m	0.127A/ft
Cutting Unit	8LEDs/50mm	8LEDs/1.97in
Size	5000×10×10mm	196.85×0.3937×0.3937in
Bend Diameter	>60mm	>2.36in
Copper foil	2oz	2oz

Luminous Intensity Distribution

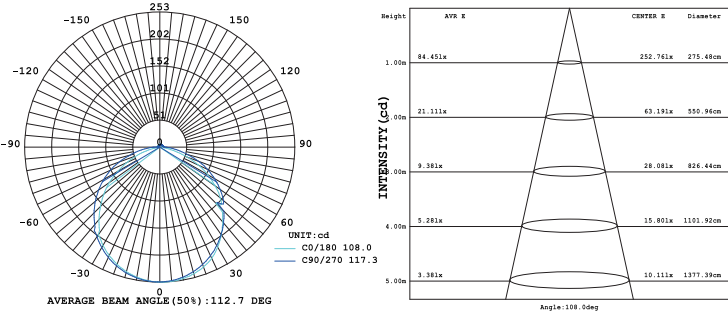


Photo-electric Parameters

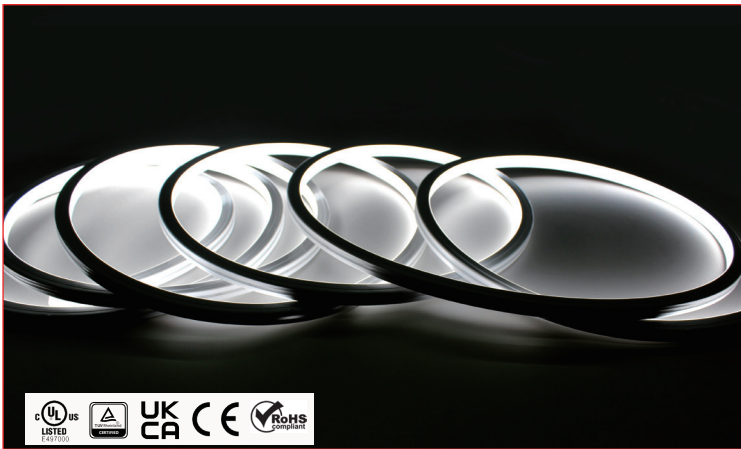
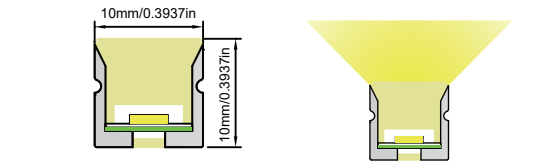
CRI	CCT (K)	LM/M	LM/ft	LM/W
>90	3000K Orange	600	183	60
	4000K Orange	650	198	65

Recommended Accessories

Image	Code	Image	Code
	Silicone End Cap with side Line		Round hoop
	Silicone End Cap horizontal direction with Line		Linear buckle belt (one meter per group)
	Silicone End Cap with bottom Line		Aluminum alloy buckle
	Silicone End Cap without Line		Aluminum alloy buckle (one meter)
	Stainless fix clip		

09 RS-1010-24V08-2835T-160D

- 1010 160LEDs/M
- 10mm width flat luminous surface.
 - High quality silicone, anti-yellowing.
 - Good flexibility, good bending, easy modeling and anti-pulling force.
 - Silicone extrusion process, IP67 protection level.
 - Applied for indoor&outdoor decorative lighting and architectural outline lighting etc.
 - Custom Cable.



Basic Parameters

Power	10W/m	3.05W/ft
Input Voltage	24VDC	24VDC
Input Current	0.417A/m	0.127A/ft
Cutting Unit	8LEDs/50mm	8LEDs/1.97in
Size	5000×10×10mm	196.85x0.3937x0.3937in
Bend Diameter	>60mm	>2.36in
Copper foil	2oz	2oz

Luminous Intensity Distribution

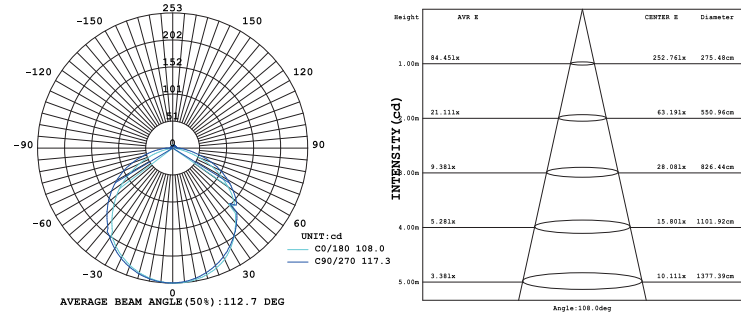


Photo-electric Parameters

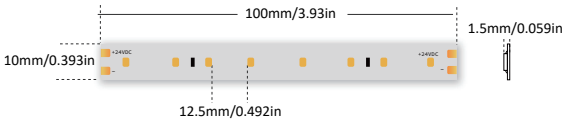
CRI	CCT (K)	LM/M	LM/ft	LM/W
>90	3000K	750	228	75
	4000K	800	244	80

Recommended Accessories

Image	Code	Image	Code
	Silicone End Cap with side Line		Round hoop
	Silicone End Cap horizontal direction with Line		Linear buckle belt (one meter per group)
	Silicone End Cap with bottom Line		Aluminum alloy buckle
	Silicone End Cap without Line		Aluminum alloy buckle (one meter)
	Stainless fix clip		

10 Food Lighting Series

- 2835 80LEDs/M
- Source by high output 2835 Top Led with uniform illumination.
 - Highlights the freshness of food and enhance the specific natural color of food.
 - No UV radiation, do not cause discoloration.
 - Much less heat generation, less risk of drying out of food.



Basic Parameters

Power	7.2W/m	2.19W/ft
Input Voltage	24VDC	24VDC
Input Current	0.30A/m	0.091A/ft
Cutting Unit	8LEDs/100mm	8LEDs/3.93in
Bead spacing	12.5mm	0.492in
Size	5000×10×1.5mm	196.85x0.393x0.059in
Bend Diameter	>60mm	>2.36in
Copper foil	2oz	2oz



Photo-electric Parameters

CCT (K)	LM/M	LM/ft	LM/W	Energy Efficiency CLASS
Meat 1800-2000K	530	161	74	D
Bread 2400-2600K	890	271	124	D
Cheese 2400-2600K	930	283	130	C
Fruit&Vegetable 3200-4200K	890	271	124	C
Fresh Meat 3000-3600K	550	168	77	D
Fish 3200-4200K	680	207	95	D

KEY FEATURES





360° Neon Flex series

360° Neon Flex series 360° light emission, no dark area.

Silicone material, match with different application solution to meet any molding needs, can be applied in straight line, circular, curved, and other special shape.



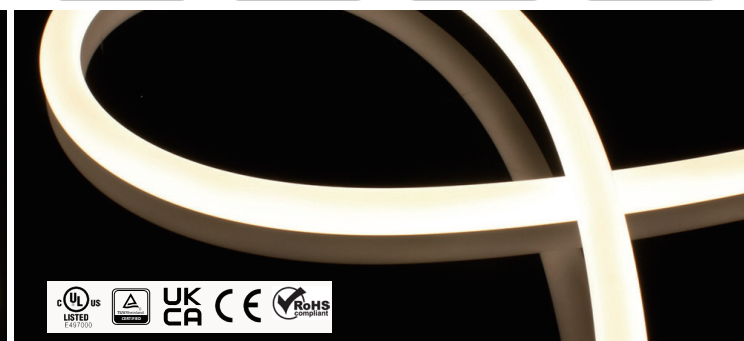
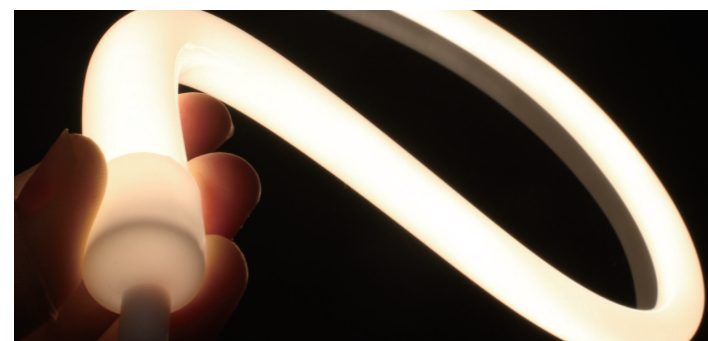
11 RS-D16P-24V05-2835T-160D

360°

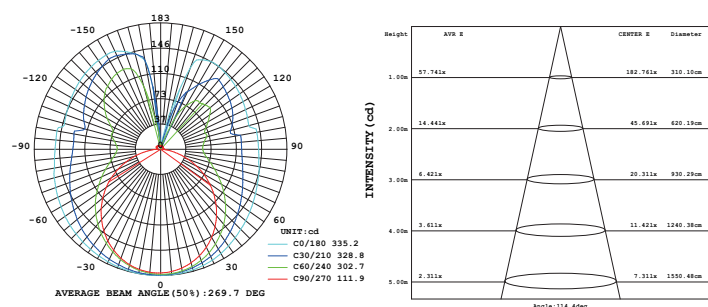
Φ
16mm

IP67

24V



Luminous Intensity Distribution



Basic Parameters

Power	14W/m	4.27W/ft
Input Voltage	24VDC	24VDC
Input Current	0.58A/m	0.177A/ft
Cutting Unit	7LEDs/33.33mm	7LEDs/1.312in
Diameter	16mm	0.629in
Bend Diameter	>120mm	>4.72in
Copper foil	2oz	2oz

Photo-electric Parameters

CRI	CCT (K)	LM/M	LM/ft	LM/W
>80	4000K	1454	443	103

Custom Lengths-On Demand



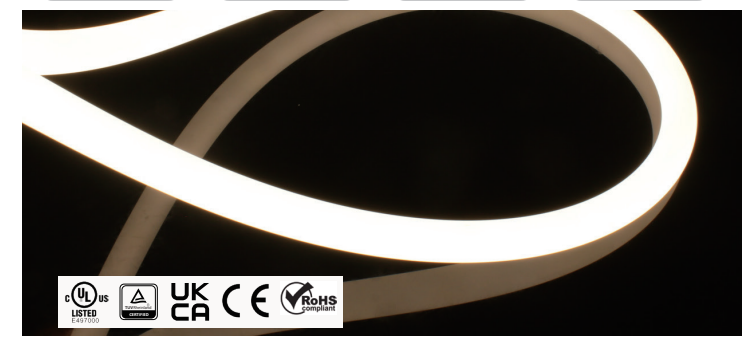
12 RS-D18P-24V06-2835T-160D

360°

Φ
18mm

IP67

24V



Basic Parameters

Power	16W/m	4.87W/ft
Input Voltage	24VDC	24VDC
Input Current	0.667A/m	0.2A/ft
Cutting Unit	8LEDs/50mm	8LEDs/1.97in
Diameter	18mm	0.709in
Bend Diameter	>120mm	>4.72in
Copper foil	2oz	2oz

Luminous Intensity Distribution

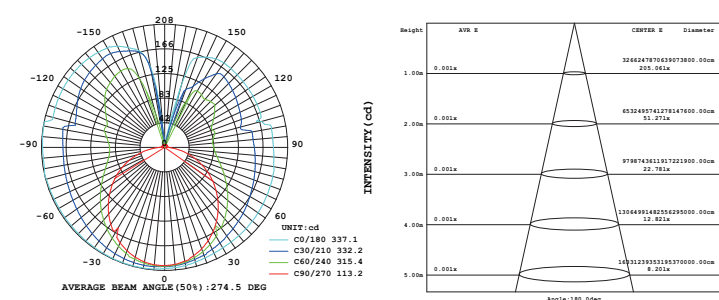
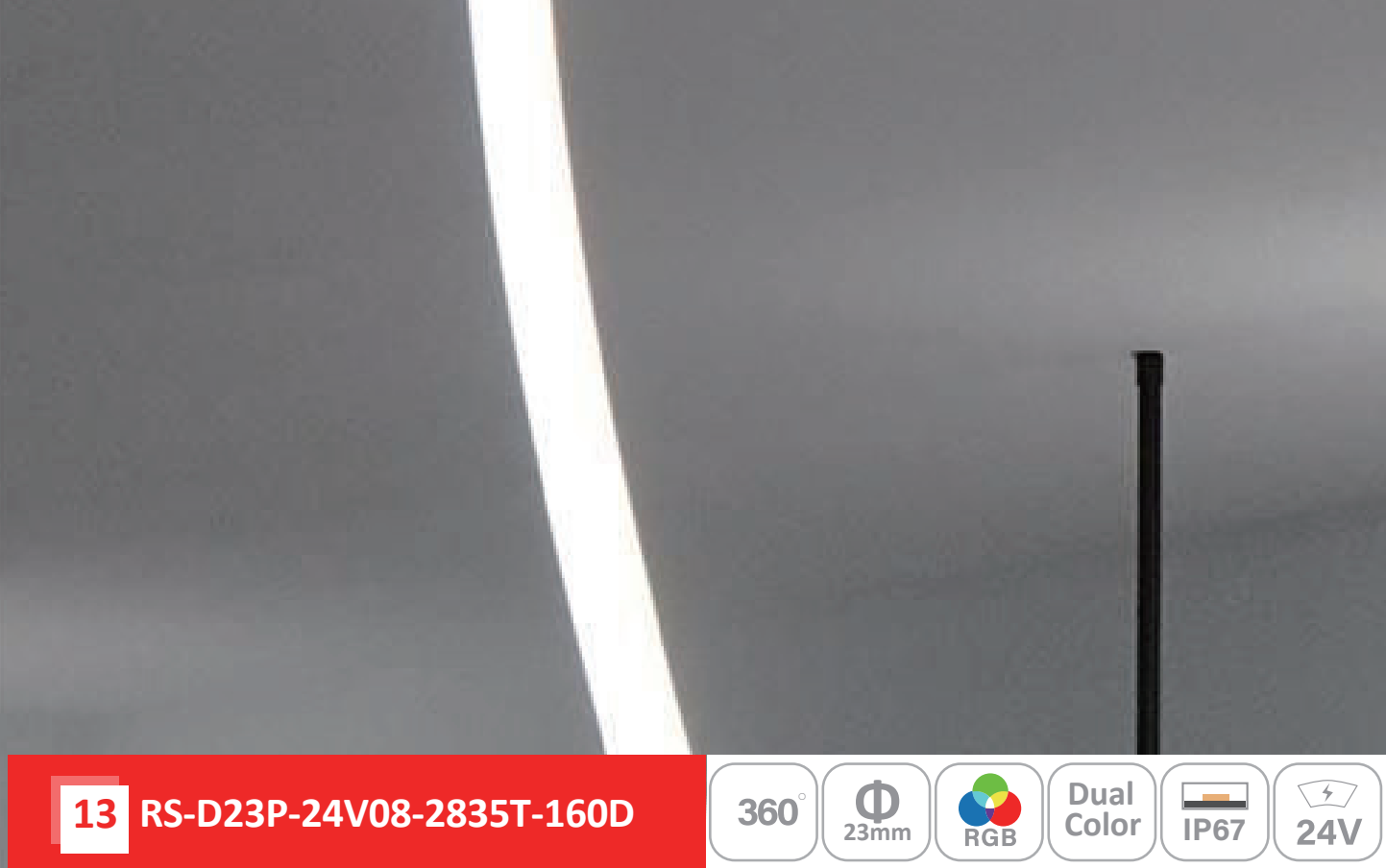


Photo-electric Parameters

CRI	CCT (K)	LM/M	LM/ft	LM/W
>80	4000K	1840	561	115

Custom Lengths-On Demand



13 RS-D23P-24V08-2835T-160D

360°

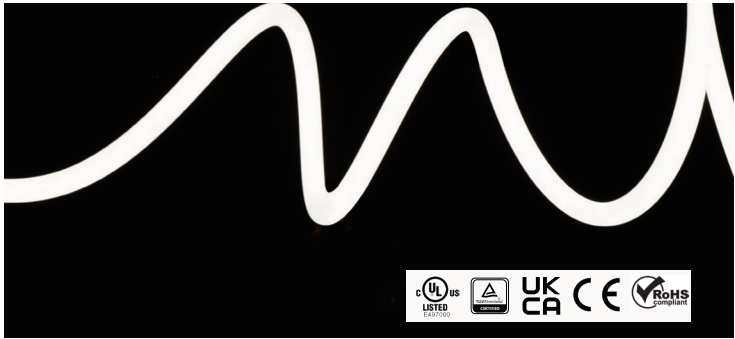
23mm

RGB

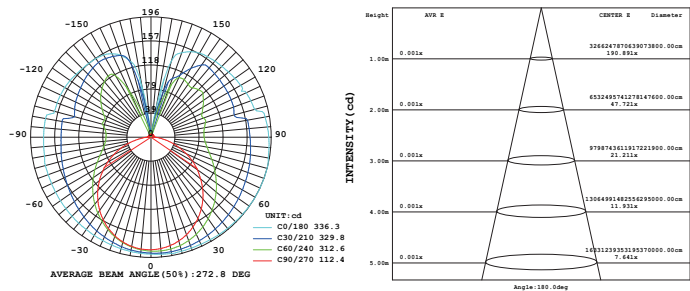
Dual Color

IP67

24V



Luminous Intensity Distribution



Basic Parameters

Power	18W/m	5.48W/ft
Input Voltage	24VDC	24VDC
Input Current	0.75A/m	0.23A/ft
Cutting Unit	8LEDs/50mm	8LEDs/1.97in
Diameter	23mm	0.9in
Bend Diameter	>120mm	>4.72in
Copper foil	2oz	2oz

Photo-electric Parameters

CRI	CCT (K)	LM/M	LM/ft	LM/W
>80	4000K	2114	644	117
>90	2700K+6000K	1294	394	71.89
/	RGB	494	150	27.45

Custom Lengths-On Demand



14 RS-D25P-24V10-2835T-160D

360°

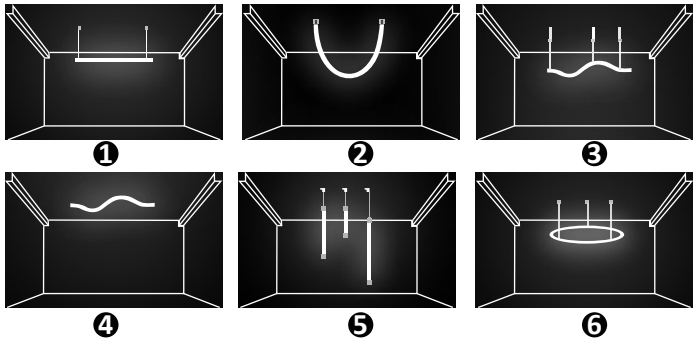
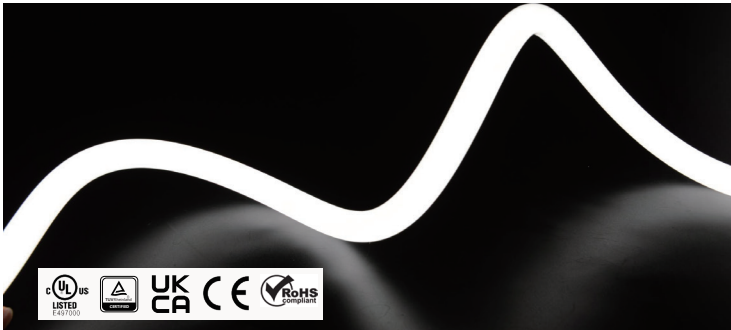
25mm

RGBW

RGB

IP67

24V



Basic Parameters

Power	20W/m	6.097W/ft
Input Voltage	24VDC	24VDC
Input Current	0.833A/m	0.25A/ft
Cutting Unit	8LEDs/50mm	8LEDs/1.97in
Diameter	25mm	0.98in
Bend Diameter	>120mm	>4.72in
Copper foil	2oz	2oz

Luminous Intensity Distribution

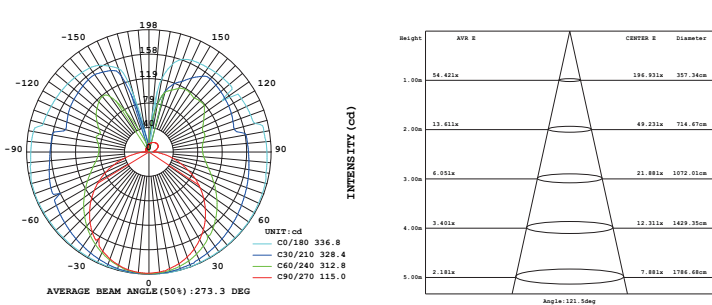


Photo-electric Parameters

CRI	CCT (K)	LM/M	LM/ft	LM/W
>80	4000K	2100	640	105
>90	2700K+6000K	1310	399	65
/	RGB	696	212	33

Custom Lengths-On Demand