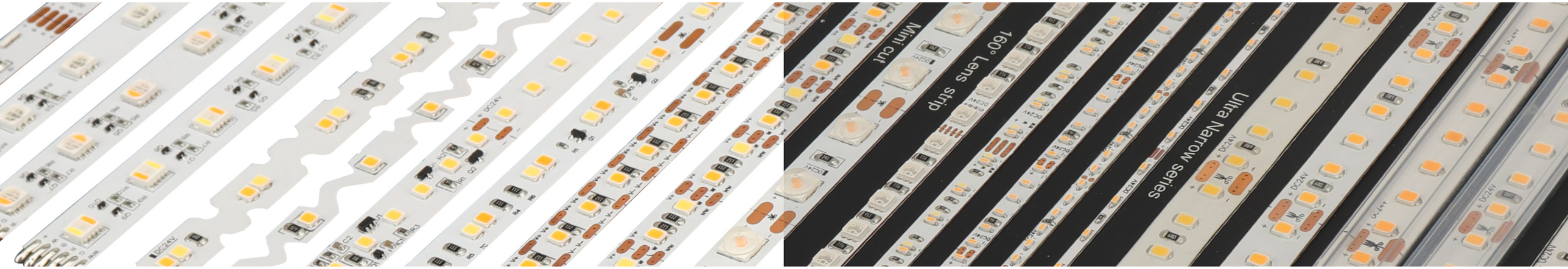
LEDYI
Quality light, Quality life

New ErP Products

Specialized
in led strip
customization service



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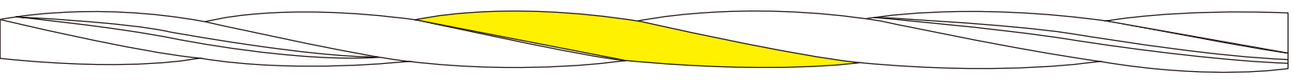
2021 CATALOGUE

Specialized in led strip customization service



LEDYi

National High Tech Enterprise

LEDYi has excellent R&D team of more than 15 people, including design engineers, structural engineers, electronic engineers,etc.Dedicated to the development and production of high-quality LED strip. More than 2000 customized products have been completed to meet the various needs of different customers. LEDYi has 25 national new invention patents and committed to building a high-class innovative brand in the LED strip industry!

Energy efficiency classes and calculation method

The energy efficiency class of light sources shall be determined as set out in Table 1, on the basis of the total mains efficacy ηTM, which is calculated by dividing the declared useful luminous flux Φuse (expressed in lm) by the declared on-mode power consumption Pon (expressed in W) and multiplying by the applicable factor FTM of Table 2, as follows:

Table 1
Energy efficiency classes of light sources

Energy efficiency class	Total mains efficacy η TM (lm/W)
A	$210 \leq \eta_{TM}$
B	$185 \leq \eta_{TM} < 210$
C	$160 \leq \eta_{TM} < 185$
D	$135 \leq \eta_{TM} < 160$
E	$110 \leq \eta_{TM} < 135$
F	$85 \leq \eta_{TM} < 110$
G	$\eta_{TM} < 85$

Table 2
Factors FTM by light source type

Light source type	Factor FTM
Non-directional (NDLS) operating on mains (MLS)	1,000
Non-directional (NDLS) not operating on mains (NMLS)	0,926
Directional (DLS) operating on mains (MLS)	1,176
Directional (DLS) not operating on mains (NMLS)	1,089

Official Journal of the European Union

For the purposes of compliance and verification of compliance with the requirements of this Regulation, measurements and calculations shall be made using harmonised standards the reference numbers of which have been published for this purpose in the Official Journal of the European Union, or other reliable, accurate and reproducible methods, which take into account the generally recognised state-of-the-art.

1. Energy efficiency requirements:
(a) From 1 September 2021, the declared power consumption of a light source Pon shall not exceed the maximum allowed power Ponmax (inW), defined as a function of the declared useful luminous flux Φuse (in lm) and the declared colour rendering index CRI (-) as follows:

Ponmax = C × (L + Φuse/(F × η)) × R;

where:
— The values for threshold efficacy (η in lm/W) and end loss factor (L in W) are specified in Table 1, depending on the light source type. They areconstants used for computations and do not reflect true parameters of light sources. The threshold efficacy is not the minimum required efficacy; the latter can be computed by dividing the useful luminous flux by the computed maximum allowed power.

— Basic values for correction factor (C) depending on light source type, and additions to C for special light source features are specified in Table 2.

— Efficacy factor (F) is:
1,00 for non-directional light sources (NDLS, using total flux)
0,85 for directional light sources (DLS, using flux in a cone)

— CRI factor ® is:
0,65 for CRI ≤ 25;
(CRI+80)/160 for CRI > 25, rounded to two decimals.

Table 1
Threshold efficacy (η) and end loss factor (L)

Light source description	η	L
	[lm/W]	[W]
LFL T5-HE	98,	1,9
LFL T5-HO, 4 000 ≤ Φ ≤ 5 000 lm	83,	1,9
LFL T5-HO, other lm output	79,	1,9
FL T5 circular	79,	1,9
FL T8 (including FL T8 U-shaped)	89,	4,5
From 1 September 2023, for FL T8 of 2-, 4- and 5-foot	120,	1,5
Magnetic induction light source, any length/flux	70,	2,3
CFLni	70,	2,3
FL T9 circular	71,	6,2
HPS single-ended	88,	50,0

Official Journal of the European Union

Official Journal of the European Union

Light source description	η	L
	[lm/W]	[W]
HPS double-ended	78,0	47,7
MH ≤ 405 W single-ended	84,5	7,7
MH > 405 W single-ended	79,3	12,3
MH ceramic double-ended	84,5	7,7
MH quartz double-ended	79,3	12,3
Organic light-emitting diode (OLED)	65,0	1,5
Until 1 September 2023: HL G9, G4 and GY6.35	19,5	7,7
HL R7s ≤ 2 700 lm	26,0	13,0
Other light sources in scope not mentioned above	120,0	1,5(*)
(*)For connected light sources (CLS) a factor L = 2,0 shall be applied.		

Table 2
Correction factor C depending on light source characteristics

Light source type	Basic C value
Non-directional (NDLS) not operating on mains (NMLS)	1.00
Non-directional (NDLS) operating on mains (MLS)	1.08
Directional (DLS) not operating on mains (NMLS)	1.15
Directional (DLS) operating on mains (MLS)	1.23
Special light source feature	**Bonus on C**
FL or HID with CCT > 5 000 K	+0.10
FL with CRI > 90	0.10
HID with second envelope	+0.10
MH NDLS > 405 W with non-clear envelope	+0.10
DLS with anti-glare shield	+0.20
Colour-tuneable light source (CTLS)	+0.10
High luminance light sources (HLLS)	+0,0058 • Luminance-HLL S-0,0167

Functional requirements
From 1 September 2021, the functional requirements specified in Table 4 shall apply for light sources:

Table 4
Functional requirements for light sources

Colour rendering	CRI ≥ 80 (except for HID with Φuse > 4 klm and for light sources intended for use in out door applications, industrial applications or other applications where lighting standards allow a CRI< 80, when a clear indication to this effect is shown on the light source packag ing and in all relevant printed and electronic documentation)
Lumen maintenance factor (for LED and OLED)	The lumen maintenance factor XLMF% after endurance testing according to Annex V shall be at least XLMF,MIN % calculated as follows: $XLMF, MIN\% = 100 \times e^{\frac{(3000 \times \ln(0.7))}{L_{70}}}$ where L70 is the declared L70B50 lifetime (in hours) If the calculated value for XLMF,MIN exceeds 96,0 %, an XLMF,MIN value of 96,0 % shall be used
Survival factor (for LED and OLED)	At least 9 light sources of the test sample must be operational after completing the test in Annex V of this Regulation.
Colour consistency for LED and OLED light sources	Variation of chromaticity coordinates within a six-step MacAdam ellipse or less.

Models of LED- and OLED- light sources shall undergo endurance testing to verify their lumen maintenance and survival factor.This endurance testing consists of the test method outlined below. The authorities of a Member State shall test 10 units of the model for this test.

The endurance test for LED and OLED light sources shall be conducted as follows:test.

(a) Ambient conditions and test setup:
(i) The switching cycles are to be conducted in a room with an ambient temperature of 25 ± 10°C and an average air velocity of less than 0,2 m/s.

(ii) The switching cycles on the sample shall be conducted in free air in a vertical base-up position. However, if a manufacturer or importer has declared the light source suitable for use in a specific orientation only, then the sample shall be mounted in that orientation.

(iii) The applied voltage during the switching cycles shall have a tolerance within 2 %. The total harmonic content of the supply voltage shall not exceed 3 %. Standards provide guidance on the supply voltage source. Light sources designed to be operated on mains voltage shall be tested at 230V, 50 Hz supply, even if the products are able to be operated on variable supply conditions.

(b) Endurance test method:

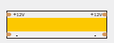
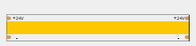
(i) Initial flux measurement: measure the luminous flux of the light source prior to starting the endurance test switching cycle.

(ii) Switching cycles: operate the light source for 1 200 cycles of repeated, continuous switching cycles without interruption. One complete switching cycle consists of 150 minutes of the light source switched ON at full power followed by 30 minutes of the light source switched OFF. The hours of operation recorded (i.e. 3000 hours) include only the periods of the switching cycle when the light source was switched ON, i.e. the total test time is 3 600 hours.

(iii) Final flux measurement: at the end of the 1 200 switching cycles, note if any light sources have failed (see 'Survival factor' in Annex IV, Table 6 of this Regulation) and measure the luminous flux of the light sources that have not failed.

(iv) For each of the units in the sample which have not failed, divide the measured final flux by the measured initial flux. Average the resulting values over all the units that did not fail to compute the determined value for the lumen maintenance factor XLMF%.

Product List

Series	Model	Drawing	LEDs/m	DC	LEDs/cut	FPC Width (mm)	Length (m)	CCT/Color	ERP	power (W/m)	Lumen (LM/m)	efficiency(LM/W) 4000K	CRI	IP process
SMD2835 Series -Standard	LY70-S2835-W24		70	24V	7/100mm	10	5	6500K 5000K 4000K 3000K	√	4.8	266.11	110.87	>90	IP20
	LY140-S2835-W24		140	24V	7/50mm	10	5	6500K 5000K 4000K 3000K	√	9.6	533.84	111.21	>90	IP20
	LY210-S2835-W24		210	24V	7/33.3mm	10	5	6500K 5000K 4000K 3000K	√	14.4	791.00	109.86	>90	IP20
	LY80-S2835-W24		80	24V	8/100mm	10	5	6500K 5000K 4000K 3000K	√	4.8	328.08	136.70	>90	IP20
	LY160-S2835-W24		160	24V	8/50mm	10	5	6500K 5000K 4000K 3000K	√	9.6	636.55	132.61	>90	IP20
SMD2835 Series -High Efficiency	LY240-S2835-W24		240	24V	8/33.3mm	12	5	6500K 5000K 4000K 3000K	√	14.4	954.57	198.86	>90	IP20
	LY80-S2835-W12		80	12V	4/50mm	10	3	6500K 5000K 4000K 3000K	√	4.8	305.07	127.11	>90	IP20
	LY160-S2835-W12		160	12V	4/25mm	8	3	6500K 5000K 4000K 3000K	√	9.6	581.64	121.17	>90	IP20
	LY240-S2835-W12		240	12V	4/16.6mm	10	3	6500K 5000K 4000K 3000K	√	14.4	837.75	116.35	>90	IP20
SMD2835 Series -Extra High Efficiency	LY90-S2835-W24		90	24V	9/100mm	10	5	6500K 5000K 4000K 3000K	√	4.8	459.74	191.55	>80	IP20
	LY180-S2835-W24		180	24V	9/50mm	10	5	6500K 5000K 4000K 3000K	√	9.6	907.67	189.09	>80	IP20
	LY270-S2835-W24		270	24V	9/33.3mm	10	5	6500K 5000K 4000K 3000K	√	14.4	1329.6	184.66	>80	IP20
SMD2835 Tunable White Series	LY128-S2835TW-W24		128	24V	16/125mm	10	5	6500K 5000K 4000K 3000K	√	9.6	560.17	116.70	>90	IP20
	LY160-S2835TW-W24		160	24V	16/100mm	10	5	6500K 5000K 4000K 3000K	√	12	698.31	116.38	>90	IP20
	LY256-S2835TW-W24		256	24V	16/62.5mm	12	5	6500K 5000K 4000K 3000K	√	19.2	1101.8	114.77	>90	IP20
COB Series	LY480-COB-W12-4MM		480	12V	12/25mm	4	5	6500K 5000K 4000K 3000K	√	5	236.28	94.51	>90	IP20
	LY480-COB-W12-8MM		480	12V	12/25mm	8	5	6500K 5000K 4000K 3000K	√	10	463.11	92.62	>90	IP20
	LY480-COB-W24-4MM		480	24V	24/50mm	4	5	6500K 5000K 4000K 3000K	√	5	250.26	100.10	>90	IP20
	LY480-COB-W24-8MM		480	24V	24/50mm	8	5	6500K 5000K 4000K 3000K	√	10	512.78	102.55	>90	IP20

All ErP information are reference to commission regulation(EU) 2019/2020

ErP level may be different according to the CCT and CRI, the specific ErP level shall be subject to the specifications

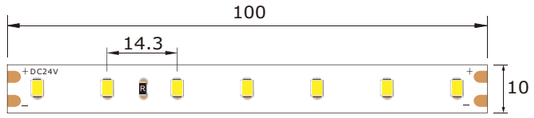
SMD2835 Standard Series

4.8W CRI90 2835 70LED/M

DC 24V | CRI 90 | IP20

Widely used in advertising, decoration and other scenes

With life span over 50000H,5-year warranty

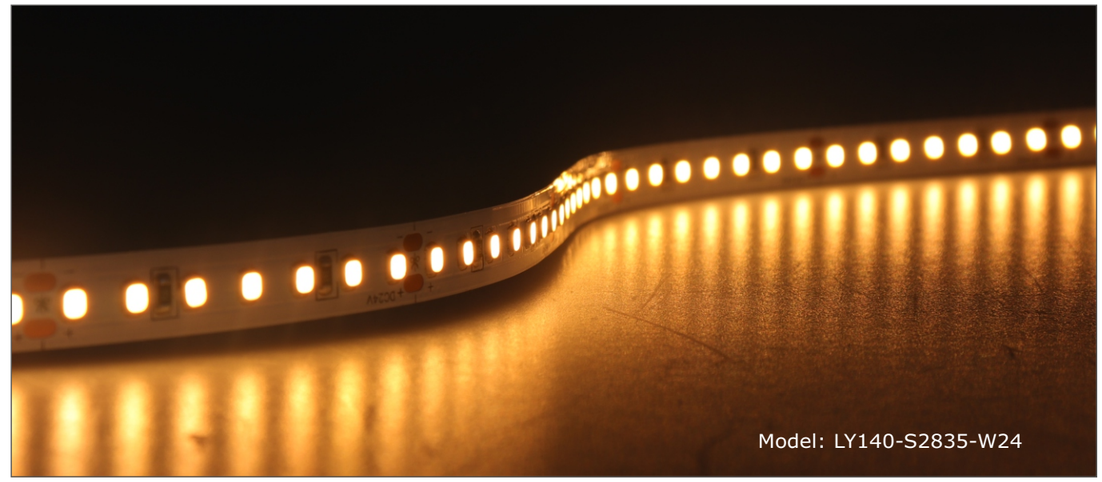


Cutting Unit：100mm

Basic Parameters

LED Type	SMD2835
LED QTY/M	70
Input Voltage	24VDC
Max.run length	5m
CRI/R9	>90/>0
SDCM	<6
Survival factor	0.9
Lumen maintenance factor	0.96
Working energy consumption (kwh/1000h) 0.5m	2.4

CCT	Chromaticity coordinates x (and y)	IP	Dimensions (L*W*H) mm	Power (W/M)	Power (W/0.5M)	Max Power (W/0.5M)	Ponmax (W/0. 5M)	(LM/0.5M)	efficiency (LM/W)	Energy efficiency class	Spectral power distribution
2700K	x=0.4582 / y=0.4135	IP20	500*10*1.2	4.8	2.4	2.65	3.7	241.27	100.52	F	
3000K	x=0.4358 / y=0.3987						3.8	256.85	107.02	F	
4000K	x=0.3764 / y=0.3708						3.9	266.11	110.87	F	
6000K	x=0.3123 / y=0.3353						3.9	263.02	109.59	F	



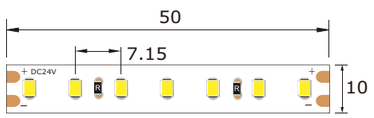
SMD2835 Standard Series

9.6W CRI90 2835 140LED/M

DC 24V | CRI 90 | IP20

Widely used in advertising, decoration and other scenes

With life span over 50000H,5-year warranty

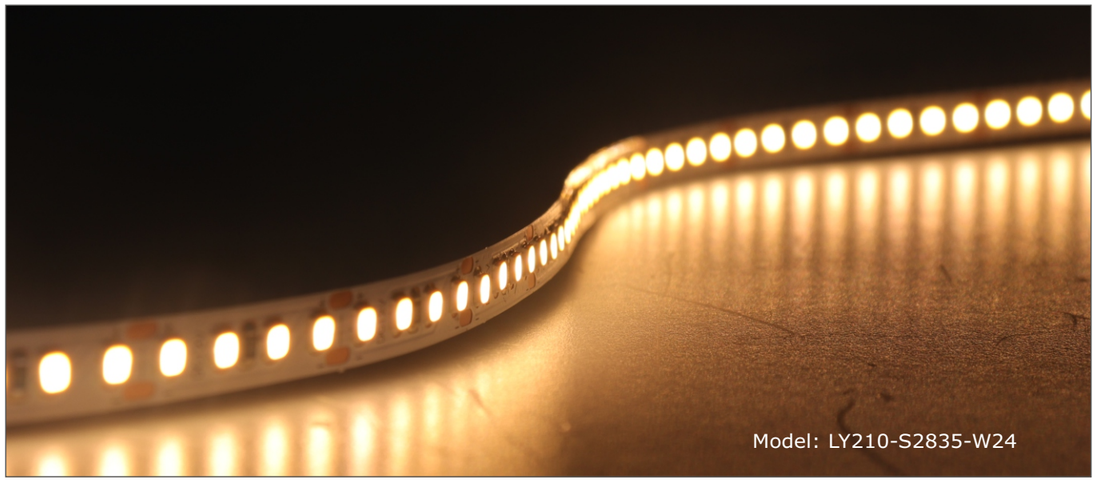


Cutting Unit：50mm

Basic Parameters

LED Type	SMD2835
LED QTY/M	140
Input Voltage	24VDC
Max.run length	5m
CRI/R9	>90/>0
SDCM	<6
Survival factor	0.9
Lumen maintenance factor	0.96
Working energy consumption (kwh/1000h) 0.5m	4.8

CCT	Chromaticity coordinates (x and y)	IP	Dimensions (L*W*H) mm	Power (W/M)	Power (W/0.5M)	Max Power (W/0.5M)	Ponmax (W/0. 5M)	(LM/0.5M)	efficiency (LM/W)	Energy efficiency class	Spectral power distribution
2700K	x=0.4607 / y=0.4144	IP20	500*10*1.2	9.6	4.8	5.3	5.3	423.76	88.28	G	
3000K	x=0.4361 / y=0.3974						5.6	462.90	96.43	F	
4000K	x=0.3764 / y=0.3722						6.3	533.84	111.21	F	
6000K	x=0.3117 / y=0.3338						6	502.55	104.69	F	



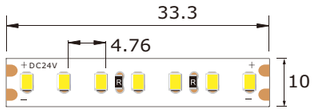
SMD2835 Standard Series

14.4W CRI90 2835 210LED/M

DC 24V | CRI 90 | IP20

Widely used in advertising, decoration and other scenes

With life span over 50000H,5-year warranty



Cutting Unit：33.3mm

Basic Parameters

LED Type	SMD2835
LED QTY/M	210
Input Voltage	24VDC
Max.run length	5m
CRI/R9	>90/>0
SDCM	<6
Survival factor	0.9
Lumen maintenance factor	0.96
Working energy consumption (kwh/1000h) 0.5m	7. 2

CCT	Chromaticity coordinates (x and y)	IP	Dimensions (L*W*H) mm	Power (W/M)	Power (W/0.5M)	Max Power (W/0.5M)	Ponmax (W/0. 5M)	(LM/0.5M)	efficiency (LM/W)	Energy efficiency class	Spectral power distribution
2700K	x=0.4576 / y=0.4126	IP20	500*10*1.2	14.4	7.2	7.6	7.9	720.10	100.01	F	
3000K	x=0.4353 / y=0.3971						8.3	760.15	105.57	F	
4000K	x=0.3756 / y=0.3699						8.5	791.00	109.86	F	
6000K	x=0.3138 / y=0.3267						8.6	830.55	115.35	F	

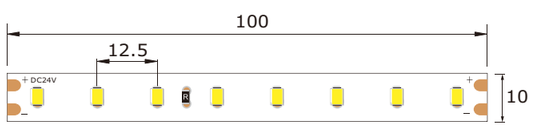
SMD2835 High Efficiency Series

4.8W CRI90 2835 80LED/M

DC 24V | CRI 90 | IP20

Widely used in advertising, decoration and other scenes

With life span over 50000H,5-year warranty

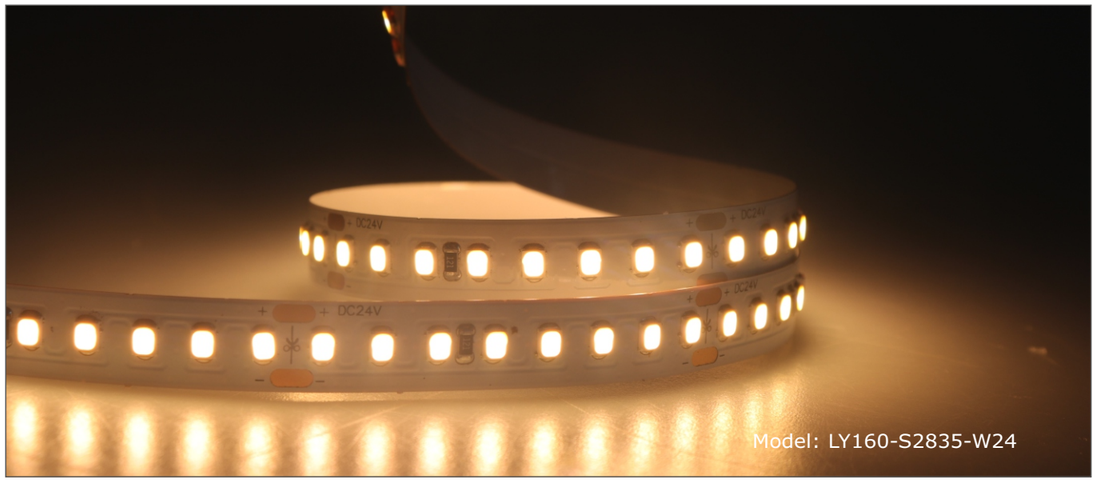


Cutting Unit：100mm

Basic Parameters

LED Type	SMD2835
LED QTY/M	80
Input Voltage	24VDC
Max.run length	5m
CRI/R9	>90/>0
SDCM	<6
Survival factor	0.9
Lumen maintenance factor	0.96
Working energy consumption (kwh/1000h) 0.5m	2.4

CCT	Chromaticity coordinates (x and y)	IP	Dimensions (L*W*H) mm	Power (W/M)	Power (W/0.5M)	Max Power (W/0.5M)	Ponmax (W/0. 5M)	(LM/0.5M)	efficiency (LM/W)	Energy efficiency class	Spectral power distribution
2700K	x=0.4552 / y=0.4126	IP20	500*10*1.2	4.8	2.4	2.65	4.1	286.60	119.41	E	
3000K	x=0.4371 / y=0.3985						4.2	297.54	123.97	E	
4000K	x=0.3763 / y=0.3741						4.4	328.08	136.70	E	
6000K	x=0.3112 / y=0.3302						4.5	331.87	138.27	E	



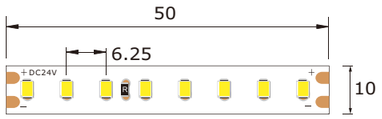
SMD2835 High Efficiency Series

9.6W CRI90 2835 160LED/M

DC 24V | CRI 90 | IP20

Widely used in advertising, decoration and other scenes

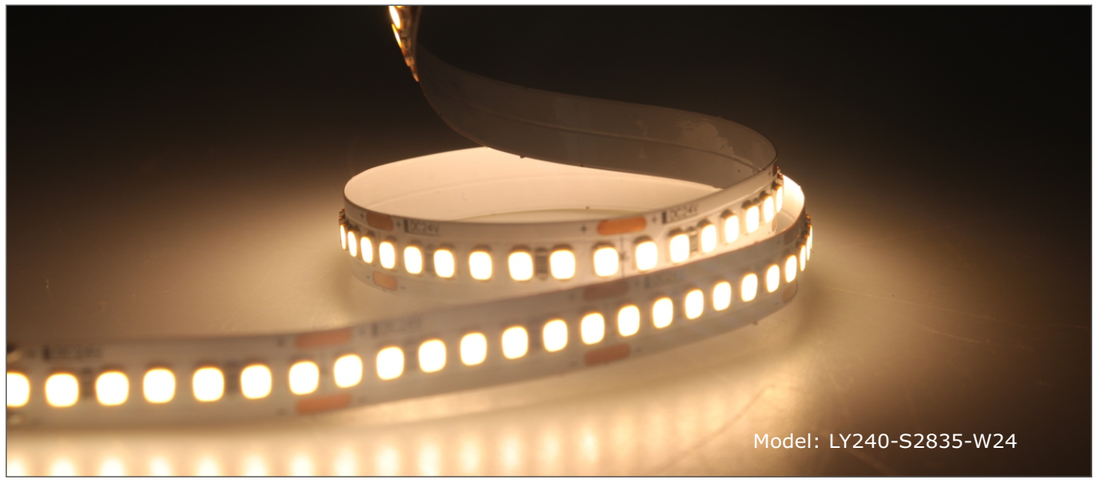
With life span over 50000H,5-year warranty



Basic Parameters

LED Type	SMD2835
LED QTY/M	160
Input Voltage	24VDC
Max.run length	5m
CRI/R9	>90/>0
SDCM	<6
Survival factor	0.9
Lumen maintenance factor	0.96
Working energy consumption (kwh/1000h) 0.5m	4.8

CCT	Chromaticity coordinates (x and y)	IP	Dimensions (L*W*H) mm	Power (W/M)	Power (W/0.5M)	Max Power (W/0.5M)	Ponmax (W/0. 5M)	(LM/0.5M)	efficiency (LM/W)	Energy efficiency class	Spectral power distribution
2700K	x=0.4590 / y=0.4158	IP20	500*10*1.2	9.6	4.8	5.3	6.8	597.12	124.40	E	
3000K	x=0.4362 / y=0.3972						6.8	589.83	122.88	E	
4000K	x=0.3733 / y=0.3697						7.2	636.55	132.61	E	
6000K	x=0.3109 / y=0.3340						7.2	634.41	132.16	E	



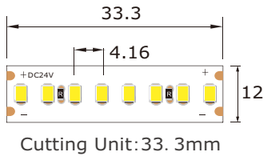
SMD2835 High Efficiency Series

14.4W CRI90 2835 240LED/M

DC 24V | CRI 90 | IP20

Widely used in advertising, decoration and other scenes

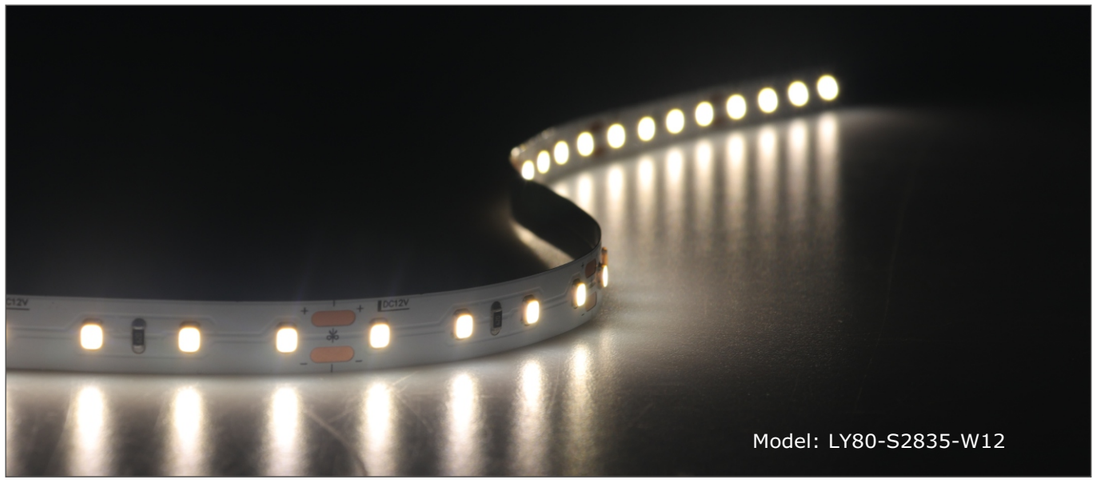
With life span over 50000H,5-year warranty



Basic Parameters

LED Type	SMD2835
LED QTY/M	240
Input Voltage	24VDC
Max.run length	5m
CRI/R9	>90/>0
SDCM	<6
Survival factor	0.9
Lumen maintenance factor	0.96
Working energy consumption (kwh/1000h) 0.5m	7.2

CCT	Chromaticity coordinates (x and y)	IP	Dimensions (L*W*H) mm	Power (W/M)	Power (W/0.5M)	Max Power (W/0.5M)	Ponmax (W/0. 5M)	(LM/0.5M)	efficiency (LM/W)	Energy efficiency class	Spectral power distribution
2700K	x=0.4604 / y=0.4164	IP20	500*12*1.2	14.4	7.2	7.6	9.4	891.69	123.84	E	
3000K	x=0.4382 / y=0.3981						9.2	868.94	120.68	E	
4000K	x=0.3762 / y=0.3741						10	954.57	132.57	E	
6000K	x=0.3117 / y=0.3342						9.8	932.87	129.56	E	



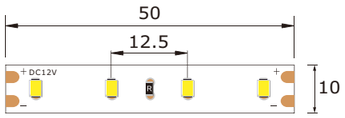
SMD2835 High Efficiency Series

4.8W CRI90 2835 80LED/M

DC 12V | CRI 90 | IP20

Widely used in advertising, decoration and other scenes

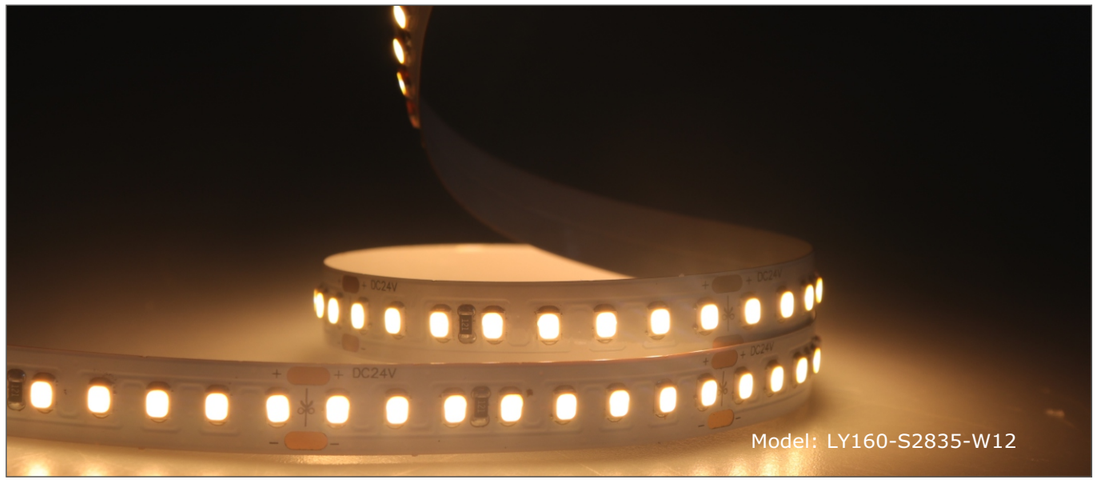
With life span over 50000H,5-year warranty



Basic Parameters

LED Type	SMD2835
LED QTY/M	80
Input Voltage	12VDC
Max.run length	3m
CRI/R9	>90/>0
SDCM	<6
Survival factor	0.9
Lumen maintenance factor	0.96
Working energy consumption (kwh/1000h) 0.5m	2.4

CCT	Chromaticity coordinates (x and y)	IP	Dimensions (L*W*H) mm	Power (W/M)	Power (W/0.5M)	Max Power (W/0.5M)	Ponmax (W/0.5M)	(LM/0.5M)	efficiency (LM/W)	Energy efficiency class	Spectral power distribution
2700K	x=0.4592 / y=0.4159	IP20	500*10*1.2	4.8	2.4	2.56	4	282.71	117.79	F	
3000K	x=0.4370 / y=0.3980						4	277.77	115.73	F	
4000K	x=0.3736 / y=0.3699						4.2	305.07	127.11	E	
6000K	x=0.3099 / y=0.3315						4	283.15	117.97	F	



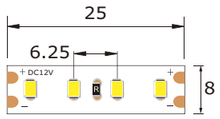
SMD2835 High Efficiency Series

9.6W CRI90 2835 160LED/M

DC 12V | CRI 90 | IP20

Widely used in advertising, decoration and other scenes

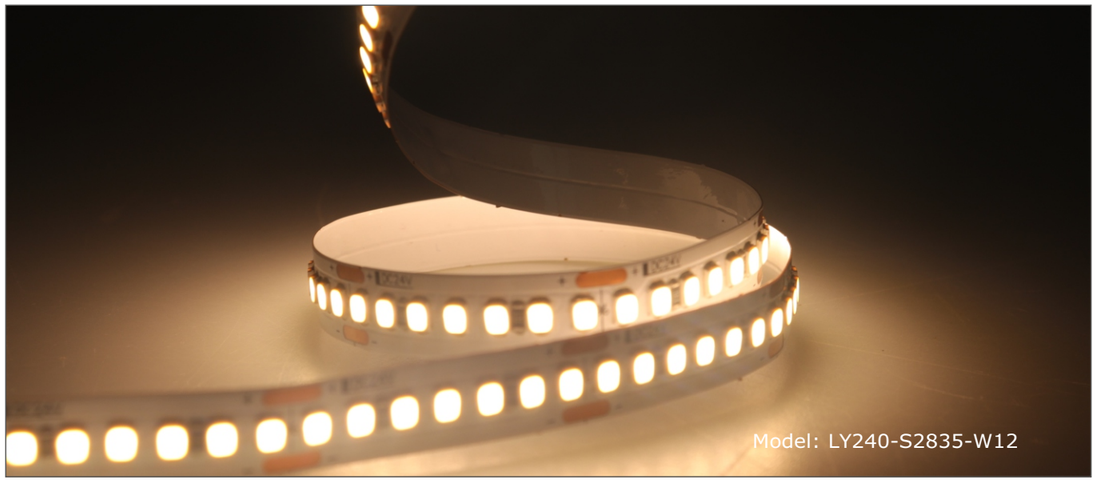
With life span over 50000H,5-year warranty



Basic Parameters

LED Type	SMD2835
LED QTY/M	160
Input Voltage	12VDC
Max.run length	3m
CRI/R9	>90/>0
SDCM	<6
Survival factor	0.9
Lumen maintenance factor	0.96
Working energy consumption (kwh/1000h) 0.5m	4.8

CCT	Chromaticity coordinates (x and y)	IP	Dimensions (L*W*H) mm	Power (W/M)	Power (W/0.5M)	Max Power (W/0.5M)	Ponmax (W/0.5M)	(LM/0.5M)	efficiency (LM/W)	Energy efficiency class	Spectral power distribution
2700K	x=0.4578 / y=0.4145	IP20	500*8*1.2	9.6	4.8	5.3	6.3	539.13	112.31	F	
3000K	x=0.4364 / y=0.3968						6.2	530.21	110.46	F	
4000K	x=0.3739 / y=0.3700						6.7	581.64	121.17	F	
6000K	x=0.3108 / y=0.3331						6.5	556.50	115.93	F	



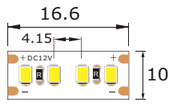
SMD2835 High Efficiency Series

14.4W CRI90 2835 240LED/M

DC 12V | CRI 90 | IP20

Widely used in advertising, decoration and other scenes

With life span over 50000H,5-year warranty



Cutting Unit：16.6mm

Basic Parameters

LED Type	SMD2835
LED QTY/M	240
Input Voltage	12VDC
Max.run length	3m
CRI/R9	>90/>0
SDCM	<6
Survival factor	0.9
Lumen maintenance factor	0.96
Working energy consumption (kwh/1000h) 0.5m	7.2

CCT	Chromaticity coordinates (x and y)	IP	Dimensions (L*W*H) mm	Power (W/M)	Power (W/0.5M)	Max Power (W/0.5M)	Ponmax (W/0. 5M)	(LM/0.5M)	efficiency (LM/W)	Energy efficiency class	Spectral power distribution
2700K	x=0.4595 / y=0.4159	IP20	500*10*1.2	14.4	7.2	7.6	8	782.91	108.73	F	
3000K	x=0.4376 / y=0.3974						8.5	770.19	106.97	F	
4000K	x=0.3745 / y=0.3711						9	837.75	116.35	F	
6000K	x=0.3105 / y=0.3320						9	837.12	116.26	F	

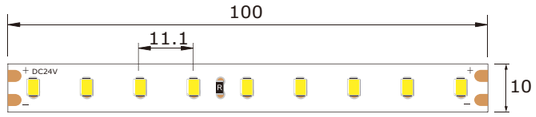
SMD2835 Extra High Efficiency Series

4.8W CRI80 2835 90LED/M

DC 24V | CRI 80 | IP20

Widely used in advertising, decoration and other scenes

With life span over 50000H,5-year warranty

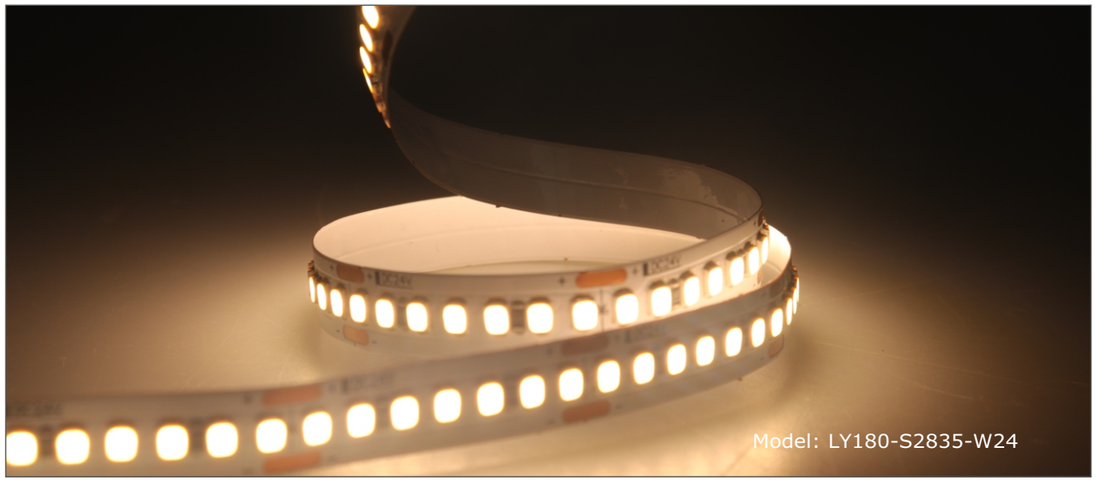


Cutting Unit：100mm

Basic Parameters

LED Type	SMD2835
LED QTY/M	90
Input Voltage	24VDC
Max.run length	5m
CRI/R9	>80/>0
SDCM	<6
Survival factor	0.9
Lumen maintenance factor	0.96
Working energy consumption (kwh/1000h) 0.5m	2.4

CCT	Chromaticity coordinates (x and y)	IP	Dimensions (L*W*H) mm	Power (W/M)	Power (W/0.5M)	Max Power (W/0.5M)	Ponmax (W/0. 5M)	(LM/0.5M)	efficiency (LM/W)	Energy efficiency class	Spectral power distribution
2700K	x=0.4583 / y=0.4175	IP20	500*10*1.2	4.8	2.4	2.65	5.3	429.70	179.04	C	
3000K	x=0.4380 / y=0.3988						5.3	427.61	178.17	C	
4000K	x=0.3773 / y=0.3794						5.6	459.74	191.55	C	
6000K	x=0.3136 / y=0.3326						5.4	428.92	178.71	C	



SMD2835 High Efficiency Series

9.6W CRI80 2835 180LED/M

DC 24V | CRI 80 | IP20

Widely used in advertising, decoration and other scenes

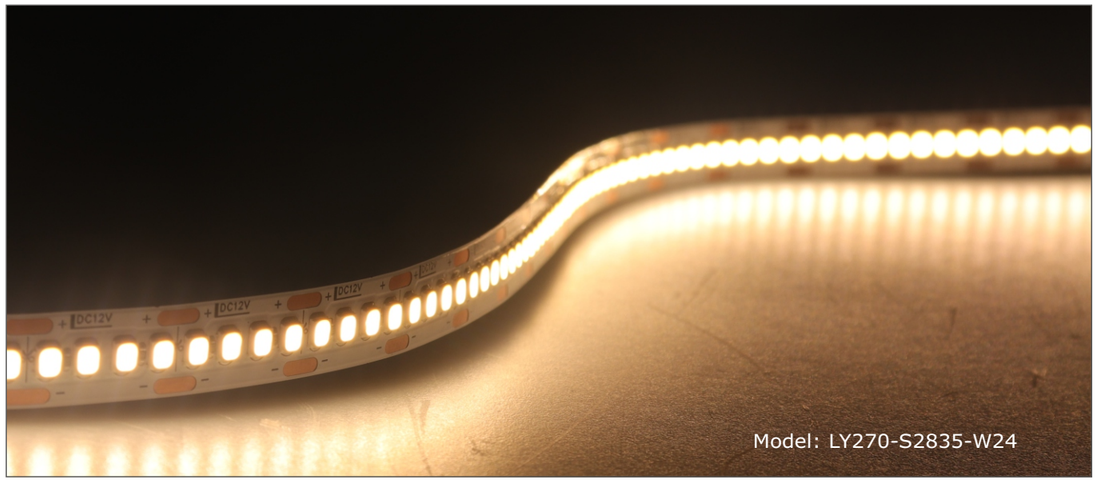
With life span over 50000H,5-year warranty

Cutting Unit: 50mm

Basic Parameters

LED Type	SMD2835
LED QTY/M	180
Input Voltage	24VDC
Max.run length	5m
CRI/R9	>80/>0
SDCM	<6
Survival factor	0.9
Lumen maintenance factor	0.96
Working energy consumption (kwh/1000h) 0.5m	4.8

CCT	Chromaticity coordinates (x and y)	IP	Dimensions (L*W*H) mm	Power (W/M)	Power (W/0.5M)	Max Power (W/0.5M)	Ponmax (W/0.5M)	(LM/0.5M)	efficiency (LM/W)	Energy efficiency class	Spectral power distribution
2700K	x=0.4594 / y=0.4181	IP20	500*10*1.2	9.6	4.8	5.3	9	840.64	175.13	D	
3000K	x=0.4361 / y=0.3967						8.9	830.78	173.07	D	
4000K	x=0.3785 / y=0.3811						9.6	907.67	189.09	C	
6000K	x=0.3133 / y=0.3328						9	840.05	175.01	C	



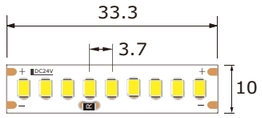
SMD2835 Extra High Efficiency Series

14.4W CRI80 2835 270LED/M

DC 24V | CRI 80 | IP20

Widely used in advertising, decoration and other scenes

With life span over 50000H,5-year warranty



Cutting Unit: 33.3mm

Basic Parameters

LED Type	SMD2835
LED QTY/M	270
Input Voltage	24VDC
Max.run length	5m
CRI/R9	>80/>0
SDCM	<6
Survival factor	0.9
Lumen maintenance factor	0.96
Working energy consumption (kwh/1000h) 0.5m	7.2

CCT	Chromaticity coordinates (x and y)	IP	Dimensions (L*W*H) mm	Power (W/M)	Power (W/0.5M)	Max Power (W/0.5M)	Ponmax (W/0.5M)	(LM/0.5M)	efficiency (LM/W)	Energy efficiency class	Spectral power distribution
2700K	x=0.4597 / y=0.4184	IP20	500*10*1.2	14.4	7.2	7.6	12	1269.7	176.34	C	
3000K	x=0.4365 / y=0.3977						11.7	1228.3	170.59	D	
4000K	x=0.3783 / y=0.3806						12.5	1329.6	184.66	C	
6000K	x=0.3126 / y=0.3317						11.7	1225.7	170.23	D	

SMD2835 Tunable White Series

9.6W CRI90 2835 128LED/M

DC 24V | CRI 90 | IP20

Tunable white 2700-6000K wide color range.

Widely used in advertising, decoration and other scenes

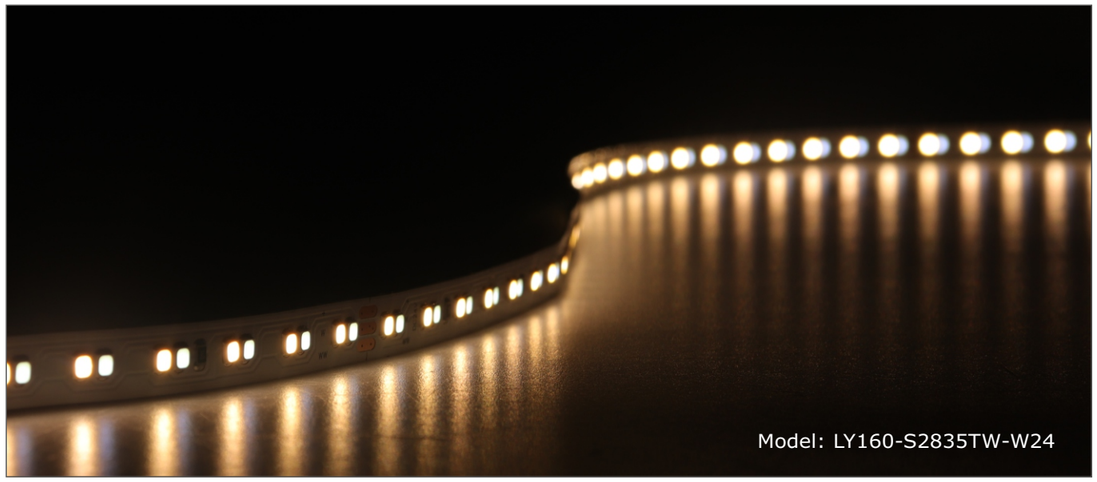
With life span over 50000H,5-year warranty

Cutting Unit：125mm

Basic Parameters

LED Type	SMD2835
LED QTY/M	128
Input Voltage	24VDC
Max.run length	5m
CRI/R9	>90/>0
SDCM	<6
Survival factor	0.9
Lumen maintenance factor	0.96
Working energy consumption (kwh/1000h) 0.5m	2.4/4.8/2.4

CCT	Chromaticity coordinates (x and y)	IP	Dimensions (L*W*H) mm	Power (W/M)	Power (W/0.5M)	Max Power (W/0.5M)	Ponmax (W/0.5M)	(LM/0.5M)	efficiency (LM/W)	Energy efficiency class	Spectral power distribution
2700K	x=0.4595 / y=0.4147	IP20	500*10*1.2	4.8	2.4	2.65	4	279.20	116.33	F	
2700K + 6000K	x=0.3766 / y=0.3696			9.6	4.8	5.3	6.5	560.17	116.70	F	
6000K	x=0.3120 / y=0.3343			4.8	2.4	2.65	4	283.71	118.21	F	



SMD2835 Tunable White Series

12W CRI90 2835 160LED/M

DC 24V | CRI 90 | IP20

Tunable white 2700-6000K wide color range.

Widely used in advertising, decoration and other scenes

With life span over 50000H,5-year warranty

Cutting Unit：100mm

Basic Parameters

LED Type	SMD2835
LED QTY/M	160
Input Voltage	24VDC
Max.run length	5m
CRI/R9	>90/>0
SDCM	<6
Survival factor	0.9
Lumen maintenance factor	0.96
Working energy consumption (kwh/1000h) 0.5m	3.3/6.3/3.3

CCT	Chromaticity coordinates (x and y)	IP	Dimensions (L*W*H) mm	Power (W/M)	Power (W/0.5M)	Max Power (W/0.5M)	Ponmax (W/0.5M)	(LM/0.5M)	efficiency (LM/W)	Energy efficiency class	Spectral power distribution
2700K	x=0.4595 / y=0.4147	IP20	500*10*1.2	6	3	3.3	4.6	349.75	116.58	F	
2700K + 6000K	x=0.3766 / y=0.3696			12	6	6.3	7.7	698.31	116.38	F	
6000K	x=0.3120 / y=0.3343			6	3	3.3	4.7	353.65	117.88	F	

SMD2835 Tunable White Series

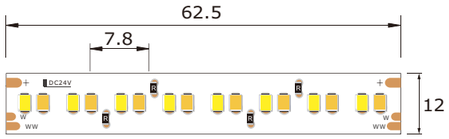
9.6W CRI90 2835 256LED/M

DC 24V | CRI 90 | IP20

Tunable white 2700-6000K wide color range.

Widely used in advertising, decoration and other scenes

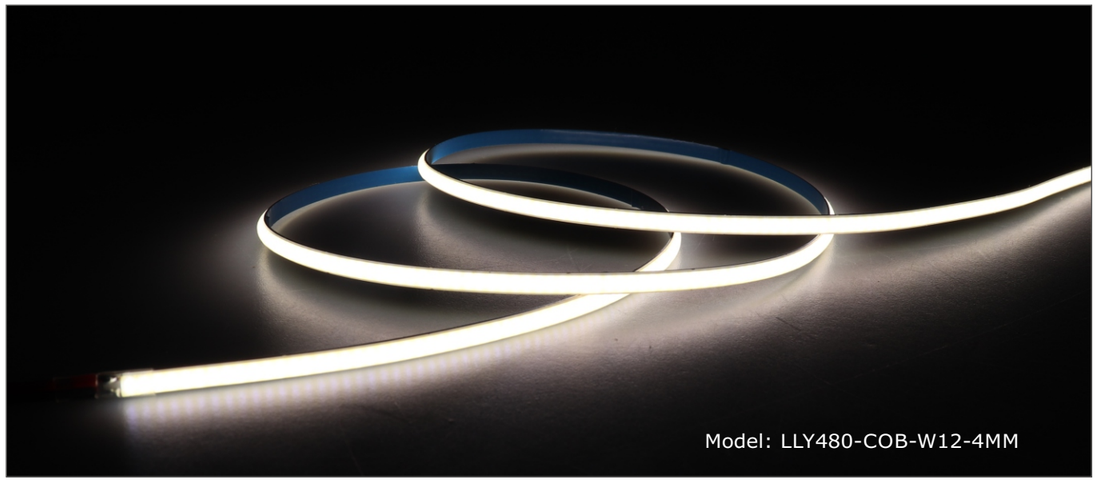
With life span over 50000H,5-year warranty



Basic Parameters

LED Type	SMD2835
LED QTY/M	256
Input Voltage	24VDC
Max.run length	5m
CRI/R9	>90/>0
SDCM	<6
Survival factor	0.9
Lumen maintenance factor	0.96
Working energy consumption (kwh/1000h) 0.5m	4.8/9.6/4.8

CCT	Chromaticity coordinates (x and y)	IP	Dimensions (L*W*H) mm	Power (W/M)	Power (W/0.5M)	Max Power (W/0.5M)	Ponmax (W/0. 5M)	(LM/0.5M)	efficiency (LM/W)	Energy efficiency class	Spectral power distribution
2700K	x=0.4604 / y=0.4152	IP20	500*12*1.2	9.6	4.8	5.3	6.4	553.98	115.41	F	
2700K + 6000K	x=0.3768 / y=0.3694			19.2	9.6	10.1	11.4	1101.8	114.77	F	
6000K	x=0.3120 / y=0.3349			9.6	4.8	5.3	6.5	563.45	117.38	F	



COB LED Strip Series

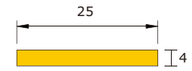
5W CRI90 COB 480LED/M

DC 12V | CRI 90 | IP20

No spot, no shadow, soft light.

The largest emitting angle can reach to 180°

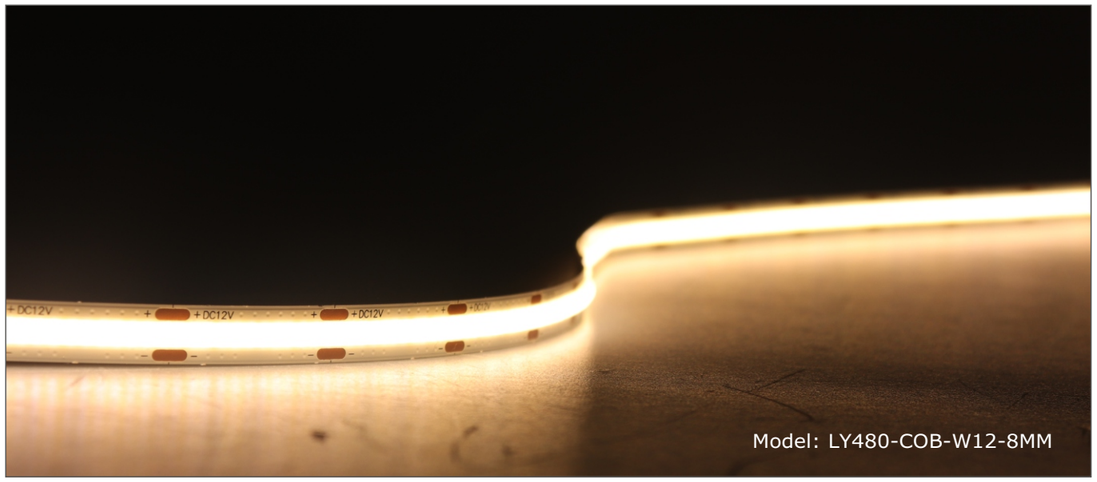
With life span over 50000H,5-year warranty



Basic Parameters

LED Type	SMD2835
LED QTY/M	480
Input Voltage	12VDC
Max.run length	5m
CRI/R9	>90/>0
SDCM	<6
Survival factor	0.9
Lumen maintenance factor	0.96
Working energy consumption (kwh/1000h) 0.5m	2.5

CCT	Chromaticity coordinates (x and y)	IP	Dimensions (L*W*H) mm	Power (W/M)	Power (W/0.5M)	Max Power (W/0.5M)	Ponmax (W/0. 5M)	(LM/0.5M)	efficiency (LM/W)	Energy efficiency class	Spectral power distribution
2700K	x=0.4605 / y=0.4144	IP20	500*4*1.5	5	2.5	2.75	5.1	212.23	84.89	G	
3000K	x=0.4363 / y=0.4086						5.2	223.34	89.33	G	
4000K	x=0.3856 / y=0.3858						5.6	236.28	94.51	F	
6000K	x=0.3164 / y=0.3351						5.6	230.18	92.07	F	



COB LED Strip Series

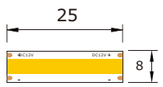
10W CRI90 COB 480LED/M

DC 12V | CRI 90 | IP20

No spot, no shadow, soft light.

The largest emitting angle can reach to 180°

With life span over 50000H,5-year warranty

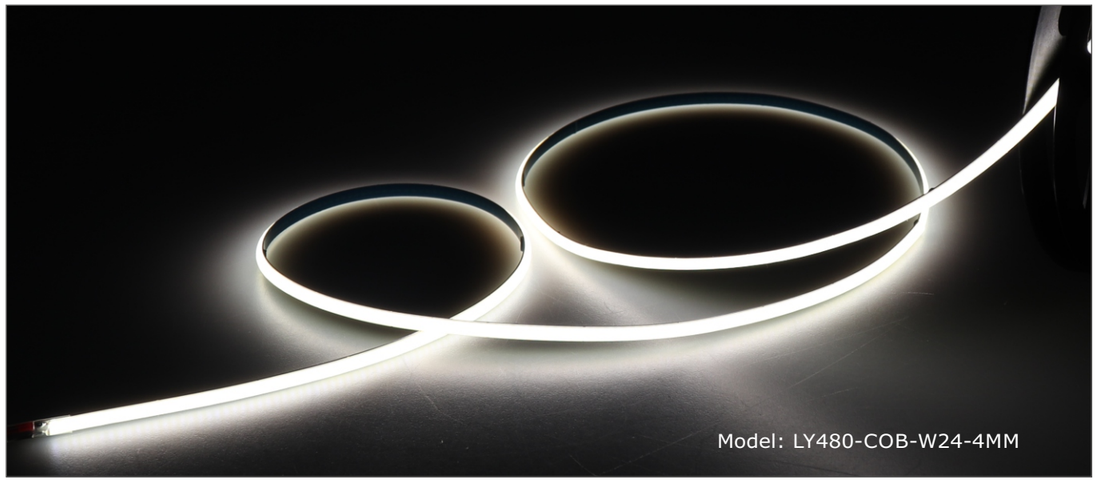


Cutting Unit：25mm

Basic Parameters

LED Type	COB
LED QTY/M	480
Input Voltage	12VDC
Max.run length	5m
CRI/R9	>90/>0
SDCM	<6
Survival factor	0.9
Lumen maintenance factor	0.96
Working energy consumption (kwh/1000h) 0.5m	5

CCT	Chromaticity coordinates (x and y)	IP	Dimensions (L*W*H) mm	Power (W/M)	Power (W/0.5M)	Max Power (W/0.5M)	Ponmax (W/0. 5M)	(LM/0.5M)	efficiency (LM/W)	Energy efficiency class	Spectral power distribution
2700K	x=0.4623 / y=0.4185	IP20	500*8*1.5	10	5	5.5	5.1	397.21	79.44	G	
3000K	x=0.4395 / y=0.4114						5.2	417.00	83.40	G	
4000K	x=0.3836 / y=0.3853						5.6	463.11	92.62	F	
6000K	x=0.3124 / y=0.3302						5.6	458.38	91.67	G	



COB LED Strip Series

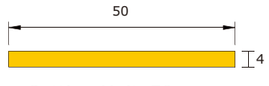
5W CRI90 COB 480LED/M

DC 24V | CRI 90 | IP20

No spot, no shadow, soft light.

The largest emitting angle can reach to 180°

With life span over 50000H,5-year warranty



Cutting Unit: 50mm

Basic Parameters

LED Type	COB
LED QTY/M	480
Input Voltage	24VDC
Max.run length	5m
CRI/R9	>90/>0
SDCM	<6
Survival factor	0.9
Lumen maintenance factor	0.96
Working energy consumption (kwh/1000h) 0.5m	2.5

CCT	Chromaticity coordinates (x and y)	IP	Dimensions (L*W*H) mm	Power (W/M)	Power (W/0.5M)	Max Power (W/0.5M)	Ponmax (W/0. 5M)	(LM/0.5M)	efficiency (LM/W)	Energy efficiency class	Spectral power distribution
2700K	x=0.4585 / y=0.4181	IP20	500*4*1.5	5	2.5	2.75	3.5	218.40	87.36	G	
3000K	x=0.4344 / y=0.4085						3.7	242.61	97.04	F	
4000K	x=0.3863 / y=0.3870						3.8	250.26	100.10	F	
6000K	x=0.3135 / y=0.3304						3.9	266.57	106.62	F	

COB LED Strip Series

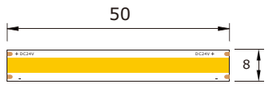
10W CRI90 COB 480LED/M

DC 24V | CRI 90 | IP20

No spot, no shadow, soft light.

The largest emitting angle can reach to 180°

With life span over 50000H,5-year warranty



Cutting Unit：50mm

Basic Parameters

LED Type	COB
LED QTY/M	480
Input Voltage	24VDC
Max.run length	5m
CRI/R9	>90/>0
SDCM	<6
Survival factor	0.9
Lumen maintenance factor	0.96
Working energy consumption (kwh/1000h) 0.5m	5

CCT	Chromaticity coordinates (x and y)	IP	Dimensions (L*W*H) mm	Power (W/M)	Power (W/0.5M)	Max Power (W/0.5M)	Ponmax (W/0. 5M)	(LM/0.5M)	efficiency (LM/W)	Energy efficiency class	Spectral power distribution
2700K	x=0.4537 / y=0.4095	IP20	500*8*1.2	10	5	5.5	5.3	421.94	84.38	G	
3000K	x=0.4333 / y=0.4052						5.6	458.54	91.70	G	
4000K	x=0.3875 / y=0.3916						6.1	512.78	102.55	F	
6000K	x=0.3149 / y=0.3343						6	498.72	99.74	F	