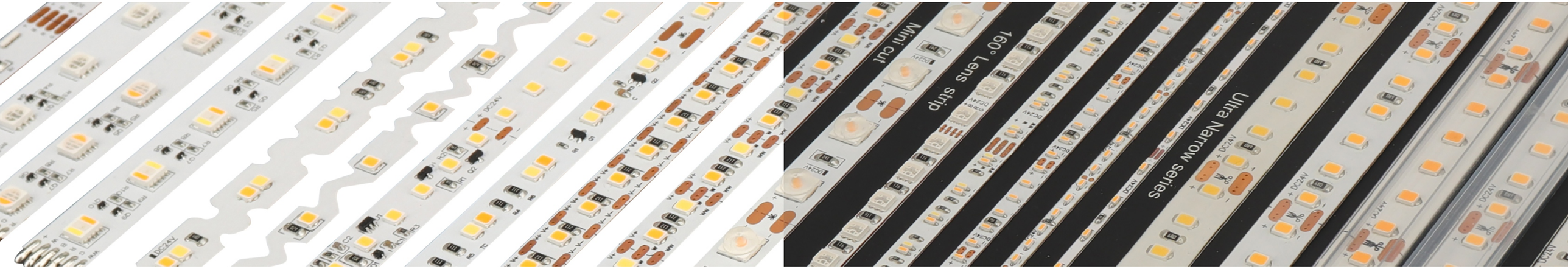
LEDYI
Quality light, Quality life

New ErP Products

Specialized
in led strip
customization service



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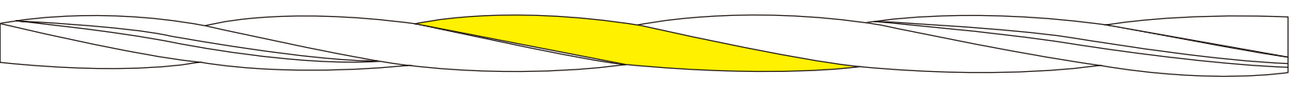
2022 CATALOGUE

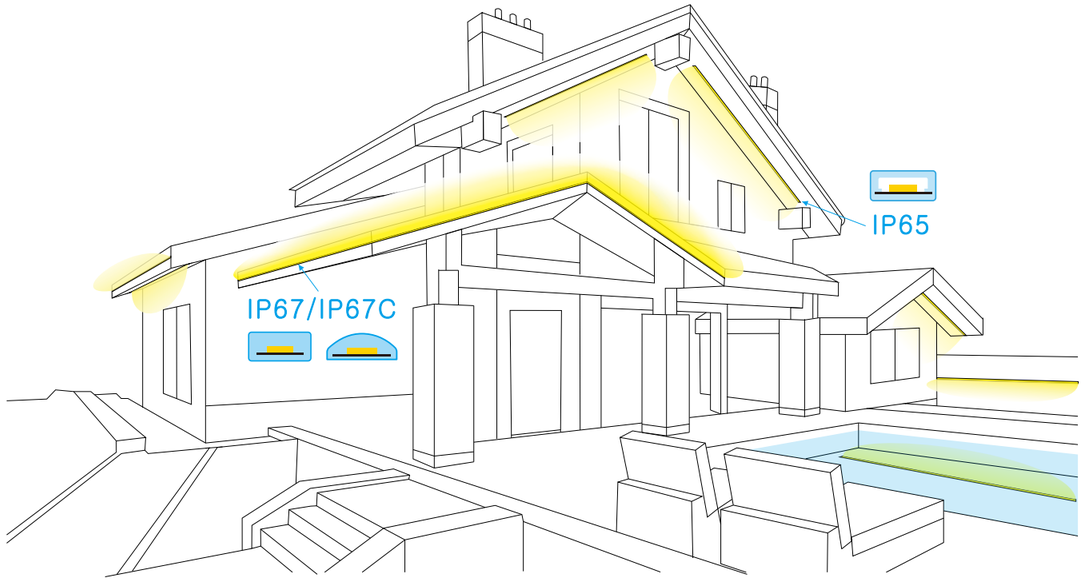
Specialized in led strip customization service

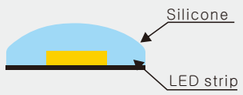
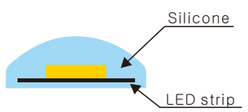
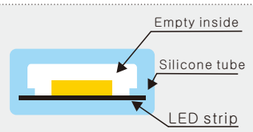
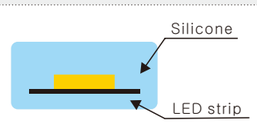


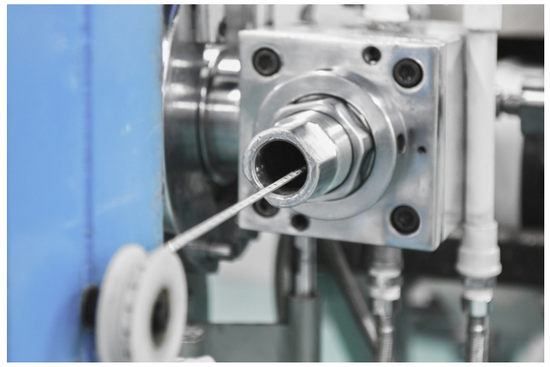
LEDYI

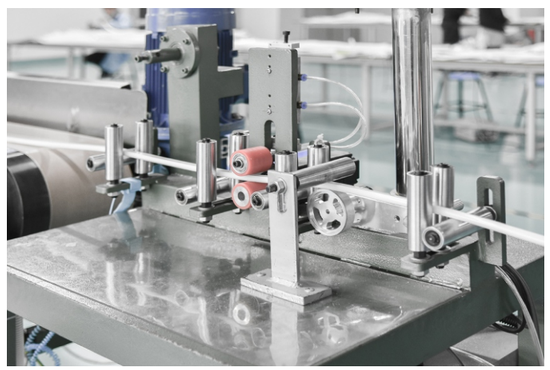
We are a factory specializing in producing high-quality customized LED strips and LED neon lights. We were founded in 2011 and now have a modern dust-free workshop of more than 5,000 square meters, more than 200 employees, and an R&D team of 15 members. We treat customers as long-term partners and aim to help customers win projects fast and efficiently.

IP Grade



IP Rate	Structure	Description	Application
IP20		Non-waterproof	Indoor use
IP52		Semi-wrapped curved silicone extrusion	Damp environments e.g. kitchen, bathroom
IP67C		Silicone tube extrusion	Semi-outdoor raining environments e.g. porch, eaves
IP65		Full-wrapped curved silicone extrusion	Outdoor use
IP67		Square solid silicone extrusion	Outdoor use





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 ≤ η TM
B	185 ≤ η TM < 210
C	160 ≤ η TM < 185
D	135 ≤ η TM < 160
E	110 ≤ η TM < 135
F	85 ≤ η TM < 110
G	η 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

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Light source description	η [lm/W]	L [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.		

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 Contents

4.5W/4.8W CRI80 IP20/IP65 Series

Power(W/M)	Voltage(Vdc)	LED Type	LEDs/M	CRI	PCB Width(mm)	Cutting Size	IP	Energy Class
4.8	24V	2835	80LED/s	>80	10mm	100mm/8LED	20/65	D E
4.5	24V	2835	90LED/s	>80	10mm	100mm/9LED	20/65	C D

4.5W/4.8W CRI90 IP20/IP65 Series

Power(W/M)	Voltage(Vdc)	LED Type	LEDs/M	CRI	PCB Width(mm)	Cutting Size	IP	Energy Class
4.8	24V	2835	70LED/s	>90	10mm	100mm/7LED	20/65	F G
4.8	12V	2835	80LED/s	>90	10mm	50mm/4LED	20/65	F
4.8	24V	2835	80LED/s	>90	10mm	100mm/8LED	20/65	F
4.5	24V	2835	90LED/s	>90	10mm	100mm/9LED	20/65	D

9W/9.6W CRI80 IP20/IP65 Series

Power(W/M)	Voltage(Vdc)	LED Type	LEDs/M	CRI	PCB Width(mm)	Cutting Size	IP	Energy Class
9.6	24V	2835	160LED/s	>80	10mm	50mm/8LED	20/65	D E
9	24V	2835	180LED/s	>80	10mm	50mm/9LED	20/65	C D

9W/9.6W CRI90 IP20/IP65 Series

Power(W/M)	Voltage(Vdc)	LED Type	LEDs/M	CRI	PCB Width(mm)	Cutting Size	IP	Energy Class
9.6	24V	2835	120LED/s	>90	10mm	50mm/6LED	20/65	G
9.6	24V	2835	70LED/s	>90	10mm	100mm/7LED	20/65	F G
9.6	24V	2835	140LED/s	>90	10mm	50mm/7LED	20/65	F G
9.6	12V	2835	160LED/s	>90	10mm	25mm/4LED	20/65	F
9.6	24V	2835	160LED/s	>90	10mm	50mm/8LED	20/65	F
9	24V	2835	180LED/s	>90	10mm	50mm/9LED	20/65	D

14.4W CRI80 IP20/IP65 Series

Power(W/M)	Voltage(Vdc)	LED Type	LEDs/M	CRI	PCB Width(mm)	Cutting Size	IP	Energy Class
14.4	24V	2835	160LED/s	>80	10mm	50mm/8LED	20/65	D E
14.4	24V	2835	192LED/s	>80	10mm	41.67mm/8LED	20/65	D E

14.4W CRI90 IP20/IP65 Series

Power(W/M)	Voltage(Vdc)	LED Type	LEDs/M	CRI	PCB Width(mm)	Cutting Size	IP	Energy Class
14.4	24V	2835	140LED/s	>90	10mm	50mm/7LED	20/65	F
14.4	24V	2835	160LED/s	>90	10mm	50mm/8LED	20/65	F
14.4	24V	2835	192LED/s	>90	10mm	41.67mm/8LED	20/65	F
14.4	12V	2835	240LED/s	>90	10mm	16.67mm/4LED	20/65	F

19.2W CRI80 IP20/IP65 Series

Power(W/M)	Voltage(Vdc)	LED Type	LEDs/M	CRI	PCB Width(mm)	Cutting Size	IP	Energy Class
19.2	24V	2835	192LED/s	>80	10mm	41.67mm/8LED	20/65	D E

19.2W CRI90 IP20/IP65 Series

Power(W/M)	Voltage(Vdc)	LED Type	LEDs/M	CRI	PCB Width(mm)	Cutting Size	IP	Energy Class
19.2	24V	2835	210LED/s	>90	10mm	33.33mm/7LED	20/65	F G
19.2	24V	2835	192LED/s	>90	10mm	41.67mm/8LED	20/65	F
19.2	24V	2835	240LED/s	>90	10mm	33.33mm/8LED	20/65	F

10W CRI90 COB(Dot-free) IP20/IP65 Series

Power(W/M)	Voltage(Vdc)	LED Type	LEDs/M	CRI	PCB Width(mm)	Cutting Size	IP	Energy Class
10	12V	COB	480Chip/m	>90	10mm	25mm/12chips	20/65	F G
10	24V	COB	480Chip/m	>90	10mm	50mm/24chips	20/65	F G

Tunable White CRI90 IP20/IP65 Series

Power(W/M)	Voltage(Vdc)	LED Type	LEDs/M	CRI	PCB Width(mm)	Cutting Size	IP	Energy Class
9.6	24V	2835	128LED/s	>90	10mm	125mm/16LED	20/65	F
14.4	24V	2835	160LED/s	>90	10mm	100mm/16LED	20/65	F
19.2	24V	2835	256LED/s	>90	12mm	62.5mm/16LED	20/65	F

Product Contents

4.8W CRI90 IP52/IP67C/IP67 Series

Power(W/M)	Voltage(Vdc)	LED Type	LEDs/M	CRI	PCB Width(mm)	Cutting Size	IP	Energy Class
4.8	24V	2835	70LED/s	>90	10mm	100mm/7LED	52/67C/67	F G
4.8	24V	2835	80LED/s	>90	10mm	100mm/8LED	52/67C/67	F

9.6W CRI90 IP52/IP67C/IP67 Series

Power(W/M)	Voltage(Vdc)	LED Type	LEDs/M	CRI	PCB Width(mm)	Cutting Size	IP	Energy Class
9.6	24V	2835	70LED/s	>90	10mm	100mm/7LED	52/67C/67	F G
9.6	24V	2835	140LED/s	>90	10mm	50mm/7LED	52/67C/67	F G
9.6	24V	2835	160LED/s	>90	10mm	50mm/8LED	52/67C/67	F

14.4W CRI90 IP52/IP67C/IP67 Series

Power(W/M)	Voltage(Vdc)	LED Type	LEDs/M	CRI	PCB Width(mm)	Cutting Size	IP	Energy Class
14.4	24V	2835	210LED/s	>90	10mm	33.33mm/7LED	52/67C/67	F G
14.4	24V	2835	160LED/s	>90	10mm	50mm/8LED	52/67C/67	F

Tunable White CRI90 IP52/IP67C/IP67 Series

Power(W/M)	Voltage(Vdc)	LED Type	LEDs/M	CRI	PCB Width(mm)	Cutting Size	IP	Energy Class
9.6	24V	2835	128LED/s	>90	10mm	125mm/16LED	52/67C/67	F
14.4	24V	2835	160LED/s	>90	10mm	100mm/16LED	52/67C/67	F
19.2	24V	2835	256LED/s	>90	12mm	62.5mm/16LED	52/67C/67	F

4.5W/4.8W CRI80 IP20/IP65 Series

P/N: LY80-S2835-W24-4.8W-Ra80-ErP

Basic Parameters

Input Voltage	24VDC
LED Type	2835
LED QTY/M	80
CRI	>80
SDCM	<6
Beam Angle	120°
Max.run length	5m
Working energy consumption (kwh/1000h) 0.5m	2.4
Lumen maintenance factor	0.96

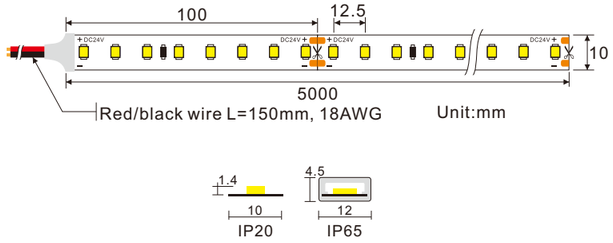


Photo-electric Parameters

CCT	Chromaticity coordinates (x and y)	IP	Dimensions (L*W*H) mm	Power (W/M)	Power (W/0.5M)	LM/0.5M	LM/M	Efficiency (LM/W)	Energy efficiency class	
									IP20	IP65
2700K	x=0.4685 y=0.4212	IP20 IP65	5000*10*1.4	4.8	2.4	331.20	662.40	138	E	E
3000K	x=0.4408 y=0.4010					333.60	667.20	139	E	E
4000K	x=0.3867 y=0.3859					357.60	715.20	149	D	D
6500K	x=0.3173 y=0.3383					352.80	705.60	147	D	D

4.5W/4.8W CRI80 IP20/IP65 Series

P/N: LY90-S2835-W24-4.5W-Ra80-ErP

Basic Parameters

Input Voltage	24VDC
LED Type	2835
LED QTY/M	90
CRI	>80
SDCM	<6
Beam Angle	120°
Max.run length	5m
Working energy consumption (kwh/1000h) 0.5m	2.25
Lumen maintenance factor	0.96

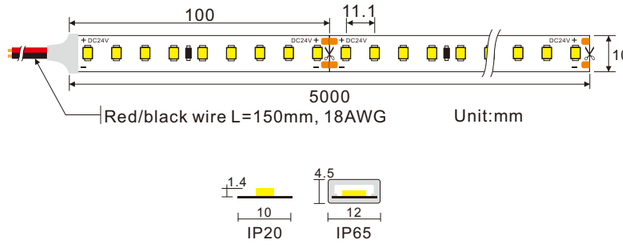


Photo-electric Parameters

CCT	Chromaticity coordinates (x and y)	IP	Dimensions (L*W*H) mm	Power (W/M)	Power (W/0.5M)	LM/0.5M	LM/M	Efficiency (LM/W)	Energy efficiency class	
									IP20	IP65
2700K	x=0.4704 y=0.4208	IP20 IP65	5000*10*1.4	4.5	2.25	378.00	756.00	168	D	D
3000K	x=0.4415 y=0.4014					373.75	787.50	175	C	C
4000K	x=0.3846 y=0.3828					411.75	823.50	183	C	C
6500K	x=0.3168 y=0.3421					384.75	769.50	171	D	D

4.5W/4.8W CRI90 IP20/IP65 Series

P/N: LY70-S2835-W24-4.8W-Ra90-ErP

Basic Parameters

Input Voltage	24VDC
LED Type	2835
LED QTY/M	70
CRI	>90
SDCM	<6
Beam Angle	120°
Max.run length	5m
Working energy consumption (kwh/1000h) 0.5m	2.4
Lumen maintenance factor	0.96

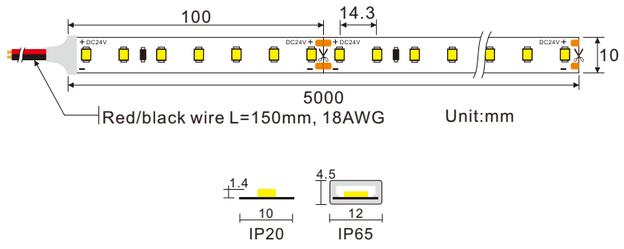


Photo-electric Parameters

CCT	Chromaticity coordinates (x and y)	IP	Dimensions (L*W*H) mm	Power (W/M)	Power (W/0.5M)	LM/0.5M	LM/M	Efficiency (LM/W)	Energy efficiency class	
									IP20	IP65
2700K	x=0.4635 y=0.4194	IP20 IP65	5000*10*1.4	4.8	2.4	192.00	384.00	80	G	G
3000K	x=0.4424 y=0.4016					208.80	417.60	87	G	G
4000K	x=0.3837 y=0.3843					220.80	441.60	92	G	G
6500K	x=0.3156 y=0.3387					242.40	484.80	101	F	F

4.5W/4.8W CRI90 IP20/IP65 Series

P/N: LY80-S2835-W12-4.8W-Ra90-ErP

Basic Parameters

Input Voltage	12VDC
LED Type	2835
LED QTY/M	80
CRI	>90
SDCM	<6
Beam Angle	120°
Max.run length	5m
Working energy consumption (kwh/1000h) 0.5m	2.4
Lumen maintenance factor	0.96

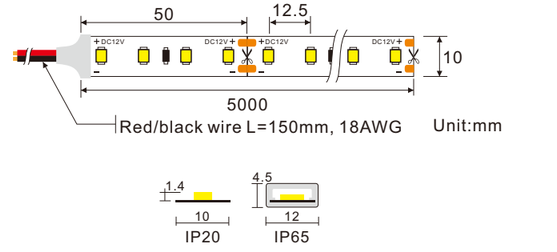


Photo-electric Parameters

CCT	Chromaticity coordinates (x and y)	IP	Dimensions (L*W*H) mm	Power (W/M)	Power (W/0.5M)	LM/0.5M	LM/M	Efficiency (LM/W)	Energy efficiency class	
									IP20	IP65
2700K	x=0.4676 y=0.4169	IP20 IP65	5000*10*1.4	4.8	2.4	247.20	494.40	103	F	F
3000K	x=0.4437 y=0.4050					264.00	528.00	110	F	F
4000K	x=0.3823 y=0.3818					273.60	547.20	114	F	F
6500K	x=0.3156 y=0.3404					283.20	566.40	118	F	F

4.5W/4.8W CRI90 IP20/IP65 Series

P/N: LY80-S2835-W24-4.8W-Ra90-ErP

Basic Parameters

Input Voltage	24VDC
LED Type	2835
LED QTY/M	80
CRI	>90
SDCM	<6
Beam Angle	120°
Max.run length	5m
Working energy consumption (kwh/1000h) 0.5m	2.4
Lumen maintenance factor	0.96

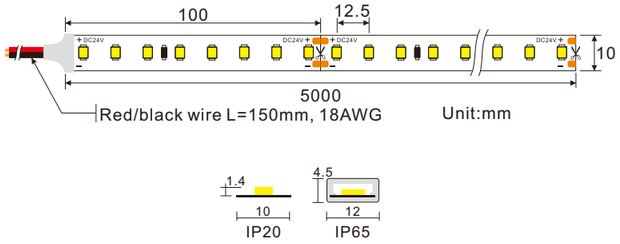


Photo-electric Parameters

CCT	Chromaticity coordinates (x and y)	IP	Dimensions (L*W*H) mm	Power (W/M)	Power (W/0.5M)	LM/0.5M	LM/M	Efficiency (LM/W)	Energy efficiency class	
									IP20	IP65
2700K	x=0.4669 y=0.4166	IP20 IP65	5000*10*1.4	4.8	2.4	244.80	489.60	102	F	F
3000K	x=0.4432 y=0.4052					261.60	523.20	109	F	F
4000K	x=0.3821 y=0.3814					271.20	542.40	113	F	F
6500K	x=0.3154 y=0.3407					278.40	556.80	116	F	F

4.5W/4.8W CRI90 IP20/IP65 Series

P/N: LY90-S2835-W24-4.5W-Ra90-ErP

Basic Parameters

Input Voltage	24VDC
LED Type	2835
LED QTY/M	90
CRI	>90
SDCM	<6
Beam Angle	120°
Max.run length	5m
Working energy consumption (kwh/1000h) 0.5m	2.25
Lumen maintenance factor	0.96

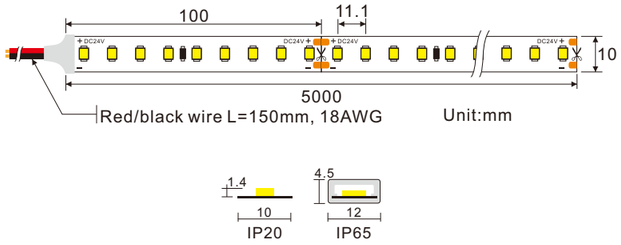


Photo-electric Parameters

CCT	Chromaticity coordinates (x and y)	IP	Dimensions (L*W*H) mm	Power (W/M)	Power (W/0.5M)	LM/0.5M	LM/M	Efficiency (LM/W)	Energy efficiency class	
									IP20	IP65
2700K	x=0.4638 y=0.4155	IP20 IP65	5000*10*1.4	4.5	2.25	362.25	724.50	161	D	D
3000K	x=0.4417 y=0.3974					362.25	724.50	161	D	D
4000K	x=0.3887 y=0.3861					380.25	760.50	169	D	D
6500K	x=0.3162 y=0.3374					364.50	729.00	162	D	D

9W/9.6W CRI80 IP20/IP65 Series

P/N: LY160-S2835-W24-9.6W-Ra80-ErP

Basic Parameters

Input Voltage	24VDC
LED Type	2835
LED QTY/M	160
CRI	>80
SDCM	<6
Beam Angle	120°
Max.run length	5m
Working energy consumption (kwh/1000h) 0.5m	4. 8
Lumen maintenance factor	0.96

Photo-electric Parameters

CCT	Chromaticity coordinates (x and y)	IP	Dimensions (L*W*H) mm	Power (W/M)	Power (W/0.5M)	LM/0.5M	LM/M	Efficiency (LM/W)	Energy efficiency class	
									IP20	IP65
2700K	x=0.4673 y=0.4205	IP20 IP65	5000*10*1.4	9.6	4.8	652.80	1305.60	136	E	E
3000K	x=0.4413 y=0.4015					657.60	1315.20	137	E	E
4000K	x=0.3860 y=0.3850					710.40	1420.80	148	D	D
6500K	x=0.3170 y=0.3383					686.40	1372.80	143	E	E

9W/9.6W CRI80 IP20/IP65 Series

P/N: LY180-S2835-W24-9W-Ra80-ErP

Basic Parameters

Input Voltage	24VDC
LED Type	2835
LED QTY/M	180
CRI	>80
SDCM	<6
Beam Angle	120°
Max.run length	5m
Working energy consumption (kwh/1000h) 0.5m	4. 5
Lumen maintenance factor	0.96

Photo-electric Parameters

CCT	Chromaticity coordinates (x and y)	IP	Dimensions (L*W*H) mm	Power (W/M)	Power (W/0.5M)	LM/0.5M	LM/M	Efficiency (LM/W)	Energy efficiency class	
									IP20	IP65
2700K	x=0.4705 y=0.4209	IP20 IP65	5000*10*1.4	9	4.5	760.50	1521.00	169	D	D
3000K	x=0.4412 y=0.4010					810.00	1620.00	180	C	C
4000K	x=0.3835 y=0.3827					828.00	1656.00	184	C	C
6500K	x=0.3170 y=0.3424					769.50	1539.00	171	D	D

9W/9.6W CRI90 IP20/IP65 Series

P/N: LY120-S2835-W24-9.6W-Ra90-ErP

Basic Parameters

Input Voltage	24VDC
LED Type	2835
LED QTY/M	120
CRI	>90
SDCM	<6
Beam Angle	120°
Max.run length	5m
Working energy consumption (kwh/1000h) 0.5m	4. 8
Lumen maintenance factor	0.96

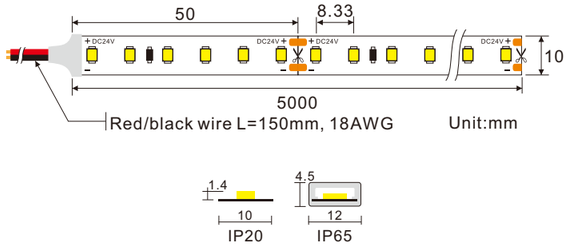


Photo-electric Parameters

CCT	Chromaticity coordinates (x and y)	IP	Dimensions (L*W*H) mm	Power (W/M)	Power (W/0.5M)	LM/0.5M	LM/M	Efficiency (LM/W)	Energy efficiency class	
									IP20	IP65
2700K	x=0.4692 y=0.4183	IP20 IP65	5000*10*1.4	9.6	4.8	364.80	729.60	76	G	G
3000K	x=0.4409 y=0.4023					398.40	796.80	83	G	G
4000K	x=0.3836 y=0.3824					403.20	806.40	84	G	G
6500K	x=0.3155 y=0.3401					417.60	835.20	87	G	G

9W/9.6W CRI90 IP20/IP65 Series

P/N: LY70-S2835-W24-9.6W-Ra90-ErP

Basic Parameters

Input Voltage	24VDC
LED Type	2835
LED QTY/M	70
CRI	>90
SDCM	<6
Beam Angle	120°
Max.run length	5m
Working energy consumption (kwh/1000h) 0.5m	4. 8
Lumen maintenance factor	0.96

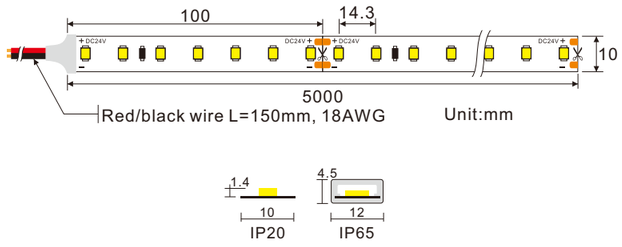


Photo-electric Parameters

CCT	Chromaticity coordinates (x and y)	IP	Dimensions (L*W*H) mm	Power (W/M)	Power (W/0.5M)	LM/0.5M	LM/M	Efficiency (LM/W)	Energy efficiency class	
									IP20	IP65
2700K	x=0.4665 y=0.4178	IP20 IP65	5000*10*1.4	9.6	4.8	398.40	796.80	83	G	G
3000K	x=0.4407 y=0.4021					451.20	902.40	94	G	G
4000K	x=0.3805 y=0.3783					446.40	892.80	93	F	F
6500K	x=0.3144 y=0.3383					470.40	940.80	98	F	F

9W/9.6W CRI90 IP20/IP65 Series

P/N: LY140-S2835-W24-9.6W-Ra90-ErP

Basic Parameters

Input Voltage	24VDC
LED Type	2835
LED QTY/M	140
CRI	>90
SDCM	<6
Beam Angle	120°
Max.run length	5m
Working energy consumption (kwh/1000h) 0.5m	4. 8
Lumen maintenance factor	0.96

Photo-electric Parameters

CCT	Chromaticity coordinates (x and y)	IP	Dimensions (L*W*H) mm	Power (W/M)	Power (W/0.5M)	LM/0.5M	LM/M	Efficiency (LM/W)	Energy efficiency class	
									IP20	IP65
2700K	x=0.4654 y=0.4208	IP20 IP65	5000*10*1.4	9.6	4.8	379.20	758.40	79	G	G
3000K	x=0.4429 y=0.4024					403.20	806.40	84	G	G
4000K	x=0.3821 y=0.3807					436.80	873.60	91	G	G
6500K	x=0.3156 y=0.3393					465.60	931.20	97	F	F

9W/9.6W CRI90 IP20/IP65 Series

P/N: LY160-S2835-W12-9.6W-Ra90-ErP

Basic Parameters

Input Voltage	24VDC
LED Type	2835
LED QTY/M	160
CRI	>90
SDCM	<6
Beam Angle	120°
Max.run length	5m
Working energy consumption (kwh/1000h) 0.5m	4. 8
Lumen maintenance factor	0.96

Photo-electric Parameters

CCT	Chromaticity coordinates (x and y)	IP	Dimensions (L*W*H) mm	Power (W/M)	Power (W/0.5M)	LM/0.5M	LM/M	Efficiency (LM/W)	Energy efficiency class	
									IP20	IP65
2700K	x=0.4668 y=0.4167	IP20 IP65	5000*10*1.4	9.6	4.8	484.80	969.60	101	F	F
3000K	x=0.4427 y=0.4036					518.40	1036.80	108	F	F
4000K	x=0.3826 y=0.3814					542.40	1084.80	113	F	F
6500K	x=0.3160 y=0.3409					552.00	1104.00	115	F	F

9W/9.6W CRI90 IP20/IP65 Series

P/N: LY160-S2835-W24-9.6W-Ra90-ErP

Basic Parameters

Input Voltage	24VDC
LED Type	2835
LED QTY/M	160
CRI	>90
SDCM	<6
Beam Angle	120°
Max.run length	5m
Working energy consumption (kwh/1000h) 0.5m	4. 8
Lumen maintenance factor	0.96

Photo-electric Parameters

CCT	Chromaticity coordinates (x and y)	IP	Dimensions (L*W*H) mm	Power (W/M)	Power (W/0.5M)	LM/0.5M	LM/M	Efficiency (LM/W)	Energy efficiency class	
									IP20	IP65
2700K	x=0.4675 y=0.4178	IP20 IP65	5000*10*1.4	9.6	4.8	484.80	969.60	101	F	F
3000K	x=0.4410 y=0.4023					528.00	1056.00	110	F	F
4000K	x=0.3827 y=0.3816					537.60	1075.20	112	F	F
6500K	x=0.3153 y=0.3394					556.80	1113.60	116	F	F

9W/9.6W CRI90 IP20/IP65 Series

P/N: LY180-S2835-W24-9W-Ra90-ErP

Basic Parameters

Input Voltage	24VDC
LED Type	2835
LED QTY/M	180
CRI	>90
SDCM	<6
Beam Angle	120°
Max.run length	5m
Working energy consumption (kwh/1000h) 0.5m	4. 5
Lumen maintenance factor	0.96

Photo-electric Parameters

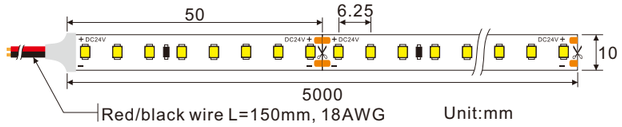
CCT	Chromaticity coordinates (x and y)	IP	Dimensions (L*W*H) mm	Power (W/M)	Power (W/0.5M)	LM/0.5M	LM/M	Efficiency (LM/W)	Energy efficiency class	
									IP20	IP65
2700K	x=0.4651 y=0.4161	IP20 IP65	5000*10*1.4	9	4.5	724.50	1449.00	161	D	D
3000K	x=0.4419 y=0.3978					724.50	1449.00	161	D	D
4000K	x=0.3884 y=0.3857					760.50	1521.00	169	D	D
6500K	x=0.3159 y=0.3371					729.00	1458.00	162	D	D

14.4W CRI80 IP20/IP65 Series

P/N: LY160-S2835-W24-14.4W-Ra80-ErP

Basic Parameters

Input Voltage	24VDC
LED Type	2835
LED QTY/M	160
CRI	>80
SDCM	<6
Beam Angle	120°
Max.run length	5m
Working energy consumption (kwh/1000h) 0.5m	7.2
Lumen maintenance factor	0.96



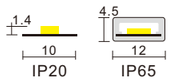


Photo-electric Parameters

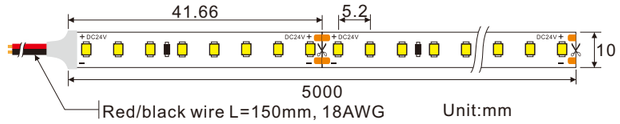
CCT	Chromaticity coordinates (x and y)	IP	Dimensions (L*W*H) mm	Power (W/M)	Power (W/0.5M)	LM/0.5M	LM/M	Efficiency (LM/W)	Energy efficiency class	
									IP20	IP65
2700K	x=0.4669 y=0.4199	IP20 IP65	5000*10*1.4	14.4	7.2	993.60	1987.20	138	E	E
3000K	x=0.4411 y=0.4013					993.60	1987.20	138	E	E
4000K	x=0.3863 y=0.3861					1072.80	2145.60	149	D	D
6500K	x=0.3177 y=0.3393					1051.20	2102.40	146	E	E

14.4W CRI80 IP20/IP65 Series

P/N: LY192-S2835-W24-14.4W-Ra80-ErP

Basic Parameters

Input Voltage	24VDC
LED Type	2835
LED QTY/M	192
CRI	>80
SDCM	<6
Beam Angle	120°
Max.run length	5m
Working energy consumption (kwh/1000h) 0.5m	7.2
Lumen maintenance factor	0.96



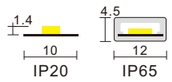


Photo-electric Parameters

CCT	Chromaticity coordinates (x and y)	IP	Dimensions (L*W*H) mm	Power (W/M)	Power (W/0.5M)	LM/0.5M	LM/M	Efficiency (LM/W)	Energy efficiency class	
									IP20	IP65
2700K	x=0.4670 y=0.4199	IP20 IP65	5000*10*1.4	14.4	7.2	993.60	1987.20	138	E	E
3000K	x=0.4401 y=0.4005					993.60	1987.20	138	E	E
4000K	x=0.3861 y=0.3855					1080.00	2160.00	150	D	D
6500K	x=0.3169 y=0.3383					1051.20	2102.40	146	E	E

14.4W CRI90 IP20/IP65 Series

P/N: LY140-S2835-W24-14.4W-Ra90-ErP

Basic Parameters

Input Voltage	24VDC
LED Type	2835
LED QTY/M	140
CRI	>90
SDCM	<6
Beam Angle	120°
Max.run length	5m
Working energy consumption (kwh/1000h) 0.5m	7.2
Lumen maintenance factor	0.96

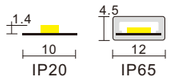


Photo-electric Parameters

CCT	Chromaticity coordinates (x and y)	IP	Dimensions (L*W*H) mm	Power (W/M)	Power (W/0.5M)	LM/0.5M	LM/M	Efficiency (LM/W)	Energy efficiency class	
									IP20	IP65
2700K	x=0.4665 y=0.4197	IP20 IP65	5000*10*1.4	14.4	7.2	676.80	1353.60	94	F	F
3000K	x=0.4429 y=0.4009					676.80	1353.60	94	F	F
4000K	x=0.3805 y=0.3794					705.60	1411.20	98	F	F
6500K	x=0.3139 y=0.3383					741.60	1483.20	103	F	F

14.4W CRI90 IP20/IP65 Series

P/N: LY160-S2835-W24-14.4W-Ra90-ErP

Basic Parameters

Input Voltage	24VDC
LED Type	2835
LED QTY/M	160
CRI	>90
SDCM	<6
Beam Angle	120°
Max.run length	5m
Working energy consumption (kwh/1000h) 0.5m	7.2
Lumen maintenance factor	0.96

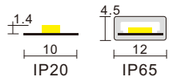


Photo-electric Parameters

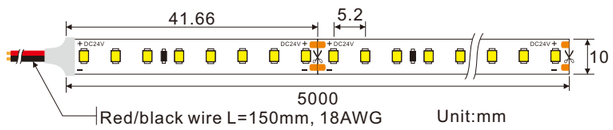
CCT	Chromaticity coordinates (x and y)	IP	Dimensions (L*W*H) mm	Power (W/M)	Power (W/0.5M)	LM/0.5M	LM/M	Efficiency (LM/W)	Energy efficiency class	
									IP20	IP65
2700K	x=0.4672 y=0.4179	IP20 IP65	5000*10*1.4	14.4	7.2	705.60	1411.20	98	F	F
3000K	x=0.4427 y=0.4037					756.00	1512.20	105	F	F
4000K	x=0.3796 y=0.3778					784.80	1569.60	109	F	F
6500K	x=0.3155 y=0.3393					806.40	1612.80	112	F	F

14.4W CRI90 IP20/IP65 Series

P/N: LY192-S2835-W24-14.4W-Ra90-ErP

Basic Parameters

Input Voltage	24VDC
LED Type	2835
LED QTY/M	192
CRI	>90
SDCM	<6
Beam Angle	120°
Max.run length	5m
Working energy consumption (kwh/1000h) 0.5m	7.2
Lumen maintenance factor	0.96



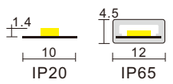


Photo-electric Parameters

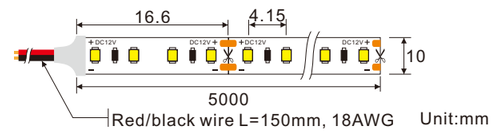
CCT	Chromaticity coordinates (x and y)	IP	Dimensions (L*W*H) mm	Power (W/M)	Power (W/0.5M)	LM/0.5M	LM/M	Efficiency (LM/W)	Energy efficiency class	
									IP20	IP65
2700K	x=0.4666 y=0.4198	IP20 IP65	5000*10*1.4	14.4	7.2	799.20	1598.40	111	F	F
3000K	x=0.4441 y=0.4020					784.80	1569.60	109	F	F
4000K	x=0.3817 y=0.3805					820.80	1641.60	114	F	F
6500K	x=0.3143 y=0.3386					856.80	1713.60	119	F	F

14.4W CRI90 IP20/IP65 Series

P/N: LY240-S2835-W12-14.4W-Ra90-ErP

Basic Parameters

Input Voltage	12VDC
LED Type	2835
LED QTY/M	240
CRI	>90
SDCM	<6
Beam Angle	120°
Max.run length	5m
Working energy consumption (kwh/1000h) 0.5m	7.2
Lumen maintenance factor	0.96



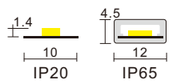


Photo-electric Parameters

CCT	Chromaticity coordinates (x and y)	IP	Dimensions (L*W*H) mm	Power (W/M)	Power (W/0.5M)	LM/0.5M	LM/M	Efficiency (LM/W)	Energy efficiency class	
									IP20	IP65
2700K	x=0.4669 y=0.4172	IP20 IP65	5000*10*1.4	14.4	7.2	727.20	1454.40	101	F	F
3000K	x=0.4418 y=0.4029					777.60	1555.20	108	F	F
4000K	x=0.3823 y=0.3815					799.20	1598.40	111	F	F
6500K	x=0.3157 y=0.3399					828.00	1656.00	115	F	F

19.2W CRI80 IP20/IP65 Series

P/N: LY192-S2835-W24-19.2W-Ra80-ErP

Basic Parameters

Input Voltage	24VDC
LED Type	2835
LED QTY/M	192
CRI	>80
SDCM	<6
Beam Angle	120°
Max.run length	5m
Working energy consumption (kwh/1000h) 0.5m	9.6
Lumen maintenance factor	0.96

Photo-electric Parameters

CCT	Chromaticity coordinates (x and y)	IP	Dimensions (L*W*H) mm	Power (W/M)	Power (W/0.5M)	LM/0.5M	LM/M	Efficiency (LM/W)	Energy efficiency class	
									IP20	IP65
2700K	x=0.4666 y=0.4198	IP20 IP65	5000*10*1.4	19.2	9.6	1315.20	2630.40	137	E	E
3000K	x=0.4442 y=0.4021					1315.20	2630.40	137	E	E
4000K	x=0.3817 y=0.3808					1420.80	2841.60	148	D	D
6500K	x=0.3150 y=0.3397					1382.40	2764.80	144	E	E

19.2W CRI90 IP20/IP65 Series

P/N: LY210-S2835-W24-19.2W-Ra90-ErP

Basic Parameters

Input Voltage	24VDC
LED Type	2835
LED QTY/M	210
CRI	>90
SDCM	<6
Beam Angle	120°
Max.run length	5m
Working energy consumption (kwh/1000h) 0.5m	9.6
Lumen maintenance factor	0.96

Photo-electric Parameters

CCT	Chromaticity coordinates (x and y)	IP	Dimensions (L*W*H) mm	Power (W/M)	Power (W/0.5M)	LM/0.5M	LM/M	Efficiency (LM/W)	Energy efficiency class	
									IP20	IP65
2700K	x=0.4669 y=0.4187	IP20 IP65	5000*10*1.4	19.2	9.6	854.40	1708.80	89	G	G
3000K	x=0.4429 y=0.4040					883.20	1766.40	92	G	G
4000K	x=0.3833 y=0.3787					912.00	1824.00	95	F	F
6500K	x=0.3154 y=0.3378					931.20	1862.40	97	F	F

19.2W CRI90 IP20/IP65 Series

P/N: LY192-S2835-W24-19.2W-Ra90-ErP

Basic Parameters

Input Voltage	24VDC
LED Type	2835
LED QTY/M	192
CRI	>90
SDCM	<6
Beam Angle	120°
Max.run length	5m
Working energy consumption (kwh/1000h) 0.5m	9.6
Lumen maintenance factor	0.96

Photo-electric Parameters

CCT	Chromaticity coordinates (x and y)	IP	Dimensions (L*W*H) mm	Power (W/M)	Power (W/0.5M)	LM/0.5M	LM/M	Efficiency (LM/W)	Energy efficiency class	
									IP20	IP65
2700K	x=0.4666 y=0.4198	IP20 IP65	5000*10*1.4	19.2	9.6	1036.80	2073.60	108	F	F
3000K	x=0.4442 y=0.4021					1027.20	2054.40	107	F	F
4000K	x=0.3817 y=0.3808					1056.00	2112.00	110	F	F
6500K	x=0.3150 y=0.3397					1123.20	2246.40	117	F	F

19.2W CRI90 IP20/IP65 Series

P/N: LY240-S2835-W24-19.2W-Ra90-ErP

Basic Parameters

Input Voltage	24VDC
LED Type	2835
LED QTY/M	240
CRI	>90
SDCM	<6
Beam Angle	120°
Max.run length	5m
Working energy consumption (kwh/1000h) 0.5m	9.6
Lumen maintenance factor	0.96

Photo-electric Parameters

CCT	Chromaticity coordinates (x and y)	IP	Dimensions (L*W*H) mm	Power (W/M)	Power (W/0.5M)	LM/0.5M	LM/M	Efficiency (LM/W)	Energy efficiency class	
									IP20	IP65
2700K	x=0.4680 y=0.4179	IP20 IP65	5000*10*1.4	19.2	9.6	931.20	1862.40	97	F	F
3000K	x=0.4423 y=0.4038					1027.20	2054.40	107	F	F
4000K	x=0.3833 y=0.3821					1046.40	2092.80	109	F	F
6500K	x=0.3159 y=0.3407					1084.80	2169.60	113	F	F

10W CRI90 COB(Dot-free) IP20/IP65 Series

P/N: LY480-COB-W12-10W-Ra90-ErP

Basic Parameters

Input Voltage	12VDC
LED Type	COB
LED QTY/M	480
CRI	>90
SDCM	<6
Beam Angle	120°
Max.run length	5m
Working energy consumption (kwh/1000h) 0.5m	5
Lumen maintenance factor	0.96

Photo-electric Parameters

CCT	Chromaticity coordinates (x and y)	IP	Dimensions (L*W*H) mm	Power (W/M)	Power (W/0.5M)	LM/0.5M	LM/M	Efficiency (LM/W)	Energy efficiency class	
									IP20	IP65
2700K	x=0.4579 y=0.4132	IP20 IP65	5000*10*1.4	10	5	445.00	890.00	89	G	G
3000K	x=0.4344 y=0.4058					475.00	950.00	95	F	F
4000K	x=0.3898 y=0.3937					500.00	1000.00	100	F	F
6500K	x=0.3174 y=0.3378					510.00	1020.00	102	F	F

10W CRI90 COB(Dot-free) IP20/IP65 Series

P/N: LY480-COB-W24-10W-Ra90-ErP

Basic Parameters

Input Voltage	24VDC
LED Type	COB
LED QTY/M	480
CRI	>90
SDCM	<6
Beam Angle	120°
Max.run length	5m
Working energy consumption (kwh/1000h) 0.5m	5
Lumen maintenance factor	0.96

Photo-electric Parameters

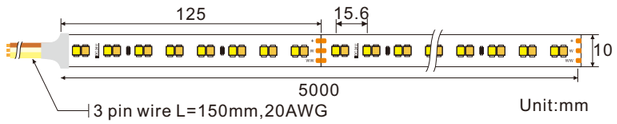
CCT	Chromaticity coordinates (x and y)	IP	Dimensions (L*W*H) mm	Power (W/M)	Power (W/0.5M)	LM/0.5M	LM/M	Efficiency (LM/W)	Energy efficiency class	
									IP20	IP65
2700K	x=0.4650 y=0.4200	IP20 IP65	5000*10*1.4	10	5	415.00	830.00	83	G	G
3000K	x=0.4417 y=0.4132					460.00	920.00	92	F	F
4000K	x=0.3863 y=0.3884					520.00	1040.00	104	F	F
6500K	x=0.3148 y=0.3330					475.00	950.00	95	F	F

Tunable White CRI90 IP20/IP65 Series

P/N: LY128-S2835TW-W24-9.6W-Ra90-ErP

Basic Parameters

Input Voltage	24VDC
LED Type	2835
LED QTY/M	128
CRI	>90
SDCM	<6
Beam Angle	120°
Max.run length	5m
Working energy consumption (kwh/1000h) 0.5m	4.8
Lumen maintenance factor	0.96



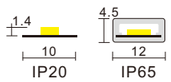


Photo-electric Parameters

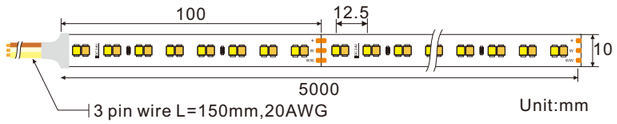
CCT	Chromaticity coordinates (x and y)	IP	Dimensions (L*W*H) mm	Power (W/M)	Power (W/0.5M)	LM/0.5M	LM/M	Efficiency (LM/W)	Energy efficiency class	
									IP20	IP65
2700K ONLY	x=0.4632 y=0.4166	IP20 IP65	5000*10*1.4	9.6	4.8	259.20	518.40	108	F	F
6500K ONLY	x=0.3156 y=0.3391					292.80	585.60	122	F	F

Tunable White CRI90 IP20/IP65 Series

P/N: LY160-S2835TW-W24-14.4W-Ra90-ErP

Basic Parameters

Input Voltage	24VDC
LED Type	2835
LED QTY/M	160
CRI	>90
SDCM	<6
Beam Angle	120°
Max.run length	5m
Working energy consumption (kwh/1000h) 0.5m	7.2
Lumen maintenance factor	0.96



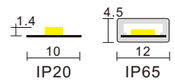


Photo-electric Parameters

CCT	Chromaticity coordinates (x and y)	IP	Dimensions (L*W*H) mm	Power (W/M)	Power (W/0.5M)	LM/0.5M	LM/M	Efficiency (LM/W)	Energy efficiency class	
									IP20	IP65
2700K ONLY	x=0.4637 y=0.4179	IP20 IP65	5000*10*1.4	14.4	7.2	367.20	734.40	102	F	F
6500K ONLY	x=0.3166 y=0.3417					414.00	828.00	115	F	F

Tunable White CRI90 IP20/IP65 Series

P/N: LY256-S2835TW-W24-19.2W-Ra90-ErP

Basic Parameters

Input Voltage	24VDC
LED Type	2835
LED QTY/M	256
CRI	>90
SDCM	<6
Beam Angle	120°
Max.run length	5m
Working energy consumption (kwh/1000h) 0.5m	9.6
Lumen maintenance factor	0.96

Photo-electric Parameters

CCT	Chromaticity coordinates (x and y)	IP	Dimensions (L*W*H) mm	Power (W/M)	Power (W/0.5M)	LM/0.5M	LM/M	Efficiency (LM/W)	Energy efficiency class	
									IP20	IP65
2700K ONLY	x=0.4630 y=0.4166	IP20 IP65	5000*12*1.4	19.2	9.6	504.00	1008.00	105	F	F
6500K ONLY	x=0.3153 y=0.3388					585.60	1171.20	122	F	F

4.8W CRI90 IP52/IP67C/IP67 Series

P/N: LY70-S2835-W24-4.8W-Ra90-ErP

Basic Parameters

Input Voltage	24VDC
LED Type	2835
LED QTY/M	70
CRI	>90
SDCM	<6
Beam Angle	120°
Max.run length	5m
Working energy consumption (kwh/1000h) 0.5m	2.4
Lumen maintenance factor	0.96

Photo-electric Parameters

CCT	Chromaticity coordinates (x and y)	IP	Dimensions (L*W*H) mm	Power (W/M)	Power (W/0.5M)	LM/0.5M	LM/M	Efficiency (LM/W)	Energy efficiency class		
									IP52	IP67C	IP67
2700K	x=0.4689 y=0.4226	IP52 IP67C IP67	5000*10*1.4	4.8	2.4	189.60	379.20	79	G	G	G
3000K	x=0.4367 y=0.3989					201.60	403.20	84	G	G	G
4000K	x=0.3798 y=0.3781					220.80	441.60	92	G	G	G
6500K	x=0.3077 y=0.3352					230.40	460.80	96	F	F	F

4.8W CRI90 IP52/IP67C/IP67 Series

P/N: LY80-S2835-W24-4.8W-Ra90-ErP

Basic Parameters

Input Voltage	24VDC
LED Type	2835
LED QTY/M	80
CRI	>90
SDCM	<6
Beam Angle	120°
Max.run length	5m
Working energy consumption (kwh/1000h) 0.5m	2.4
Lumen maintenance factor	0.96

Photo-electric Parameters

CCT	Chromaticity coordinates (x and y)	IP	Dimensions (L*W*H) mm	Power (W/M)	Power (W/0.5M)	LM/0.5M	LM/M	Efficiency (LM/W)	Energy efficiency class		
									IP52	IP67C	IP67
2700K	x=0.4625 y=0.4197	IP52 IP67C IP67	5000*10*1.4	4.8	2.4	247.20	494.40	103	F	F	F
3000K	x=0.4358 y=0.3994					247.20	494.40	103	F	F	F
4000K	x=0.3792 y=0.3792					276.00	552.00	115	F	F	F
6500K	x=0.3105 y=0.3347					283.20	566.40	118	F	F	F

9.6W CRI90 IP52/IP67C/IP67 Series

P/N: LY70-S2835-W24-9.6W-Ra90-ErP

Basic Parameters

Input Voltage	24VDC
LED Type	2835
LED QTY/M	70
CRI	>90
SDCM	<6
Beam Angle	120°
Max.run length	5m
Working energy consumption (kwh/1000h) 0.5m	4.8
Lumen maintenance factor	0.96

Photo-electric Parameters

CCT	Chromaticity coordinates (x and y)	IP	Dimensions (L*W*H) mm	Power (W/M)	Power (W/0.5M)	LM/0.5M	LM/M	Efficiency (LM/W)	Energy efficiency class		
									IP52	IP67C	IP67
2700K	x=0.4652 y=0.4220	IP52 IP67C IP67	5000*10*1.4	9.6	4.8	412.80	825.60	86	G	G	G
3000K	x=0.4375 y=0.4017					417.60	835.20	87	G	G	G
4000K	x=0.3803 y=0.3806					465.60	931.20	97	F	F	F
6500K	x=0.3107 y=0.3351					480.00	960.00	100	F	F	F

9.6W CRI90 IP52/IP67C/IP67 Series

P/N: LY140-S2835-W24-9.6W-Ra90-ErP

Basic Parameters

Input Voltage	24VDC
LED Type	2835
LED QTY/M	140
CRI	>90
SDCM	<6
Beam Angle	120°
Max.run length	5m
Working energy consumption (kwh/1000h) 0.5m	4.8
Lumen maintenance factor	0.96

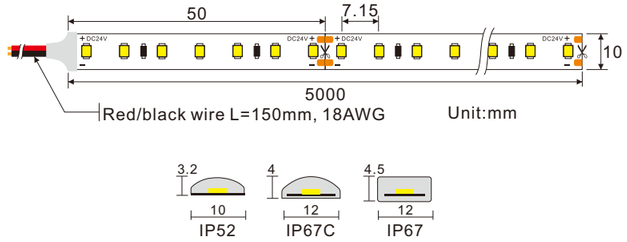


Photo-electric Parameters

CCT	Chromaticity coordinates (x and y)	IP	Dimensions (L*W*H) mm	Power (W/M)	Power (W/0.5M)	LM/0.5M	LM/M	Efficiency (LM/W)	Energy efficiency class		
									IP52	IP67C	IP67
2700K	x=0.4653 y=0.4185	IP52 IP67C IP67	5000*10*1.4	9.6	4.8	403.20	806.40	84	G	G	G
3000K	x=0.4414 y=0.4011					398.40	796.80	83	G	G	G
4000K	x=0.3808 y=0.3775					465.60	931.20	97	G	G	G
6500K	x=0.3105 y=0.3386					480.00	960.00	100	F	F	F

9.6W CRI90 IP52/IP67C/IP67 Series

P/N: LY160-S2835-W24-9.6W-Ra90-ErP

Basic Parameters

Input Voltage	24VDC
LED Type	2835
LED QTY/M	160
CRI	>90
SDCM	<6
Beam Angle	120°
Max.run length	5m
Working energy consumption (kwh/1000h) 0.5m	4.8
Lumen maintenance factor	0.96

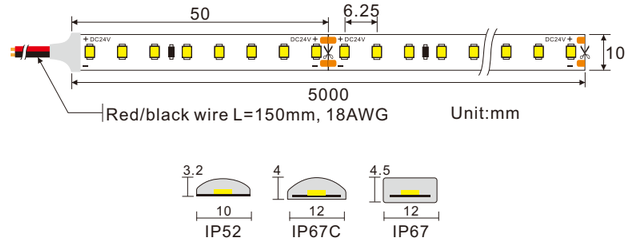


Photo-electric Parameters

CCT	Chromaticity coordinates (x and y)	IP	Dimensions (L*W*H) mm	Power (W/M)	Power (W/0.5M)	LM/0.5M	LM/M	Efficiency (LM/W)	Energy efficiency class		
									IP52	IP67C	IP67
2700K	x=0.4655 y=0.4208	IP52 IP67C IP67	5000*10*1.4	9.6	4.8	480.00	960.00	100	F	F	F
3000K	x=0.4382 y=0.4001					484.80	969.60	101	F	F	F
4000K	x=0.3826 y=0.3819					537.60	1075.20	112	F	F	F
6500K	x=0.3118 y=0.3360					561.60	1123.20	117	F	F	F

14.4W CRI90 IP52/IP67C/IP67 Series

P/N: LY210-S2835-W24-14.4W-Ra90-ErP

Basic Parameters

Input Voltage	24VDC
LED Type	2835
LED QTY/M	210
CRI	>90
SDCM	<6
Beam Angle	120°
Max.run length	5m
Working energy consumption (kwh/1000h) 0.5m	7.2
Lumen maintenance factor	0.96

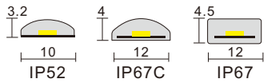


Photo-electric Parameters

CCT	Chromaticity coordinates (x and y)	IP	Dimensions (L*W*H) mm	Power (W/M)	Power (W/0.5M)	LM/0.5M	LM/M	Efficiency (LM/W)	Energy efficiency class		
									IP52	IP67C	IP67
2700K	x=0.4676 y=0.4206	IP52 IP67C IP67	5000*10*1.4	14.4	7.2	604.80	1209.60	84	G	G	G
3000K	x=0.4398 y=0.4004					662.40	1324.80	92	G	G	G
4000K	x=0.3830 y=0.3812					684.00	1368.00	95	F	F	F
6500K	x=0.3130 y=0.3363					705.60	1411.20	98	F	F	F

14.4W CRI90 IP52/IP67C/IP67 Series

P/N: LY160-S2835-W24-14.4W-Ra90-ErP

Basic Parameters

Input Voltage	24VDC
LED Type	2835
LED QTY/M	160
CRI	>90
SDCM	<6
Beam Angle	120°
Max.run length	5m
Working energy consumption (kwh/1000h) 0.5m	7.2
Lumen maintenance factor	0.96

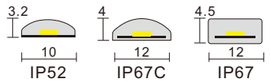


Photo-electric Parameters

CCT	Chromaticity coordinates (x and y)	IP	Dimensions (L*W*H) mm	Power (W/M)	Power (W/0.5M)	LM/0.5M	LM/M	Efficiency (LM/W)	Energy efficiency class		
									IP52	IP67C	IP67
2700K	x=0.4666 y=0.4214	IP52 IP67C IP67	5000*10*1.4	14.4	7.2	698.40	1396.80	97	F	F	F
3000K	x=0.4406 y=0.4024					705.60	1411.20	98	F	F	F
4000K	x=0.3827 y=0.3811					784.80	1602.30	109	F	F	F
6500K	x=0.3125 y=0.3367					813.60	1627.20	113	F	F	F

Tunable White CRI90 IP52/IP67C/IP67 Series

P/N: LY128-S2835TW-W24-9.6W-Ra90-ErP

Basic Parameters

Input Voltage	24VDC
LED Type	2835
LED QTY/M	128
CRI	>90
SDCM	<6
Beam Angle	120°
Max.run length	5m
Working energy consumption (kwh/1000h) 0.5m	4. 8
Lumen maintenance factor	0.96

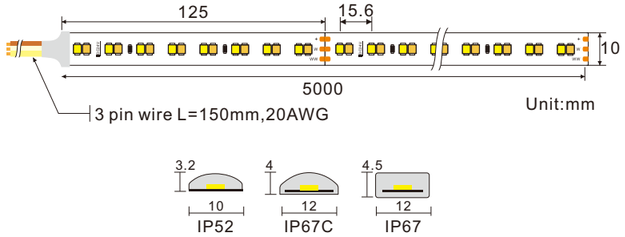


Photo-electric Parameters

CCT	Chromaticity coordinates (x and y)	IP	Dimensions (L*W*H) mm	Power (W/M)	Power (W/0.5M)	LM/0.5M	LM/M	Efficiency (LM/W)	Energy efficiency class		
									IP52	IP67C	IP67
2700K ONLY	x=0.4654 y=0.4220	IP52 IP67C IP67	5000*10*1.4	9.6	4.8	244.80	489.60	102	F	F	F
6500K ONLY	x=0.3120 y=0.3356					288.00	576.00	120	F	F	F

Tunable White CRI90 IP52/IP67C/IP67 Series

P/N: LY160-S2835TW-W24-14.4W-Ra90-ErP

Basic Parameters

Input Voltage	24VDC
LED Type	2835
LED QTY/M	160
CRI	>90
SDCM	<6
Beam Angle	120°
Max.run length	5m
Working energy consumption (kwh/1000h) 0.5m	7.2
Lumen maintenance factor	0.96

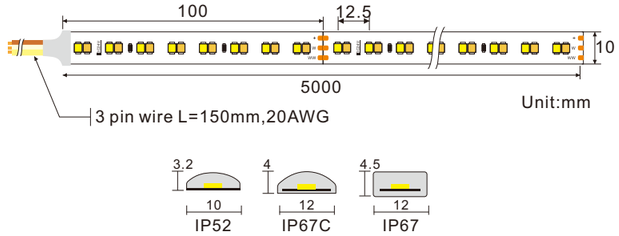


Photo-electric Parameters

CCT	Chromaticity coordinates (x and y)	IP	Dimensions (L*W*H) mm	Power (W/M)	Power (W/0.5M)	LM/0.5M	LM/M	Efficiency (LM/W)	Energy efficiency class		
									IP52	IP67C	IP67
2700K ONLY	x=0.4662 y=0.4227	IP52 IP67C IP67	5000*10*1.4	14.4	7.2	342.00	684.00	95	F	F	F
6500K ONLY	x=0.3127 y=0.3372					399.60	799.20	111	F	F	F

Tunable White CRI90 IP52/IP67C/IP67 Series

P/N: LY256-S2835TW-W24-19.2W-Ra90-ErP

Basic Parameters

Input Voltage	24VDC
LED Type	2835
LED QTY/M	256
CRI	>90
SDCM	<6
Beam Angle	120°
Max.run length	5m
Working energy consumption (kwh/1000h) 0.5m	9.6
Lumen maintenance factor	0.96

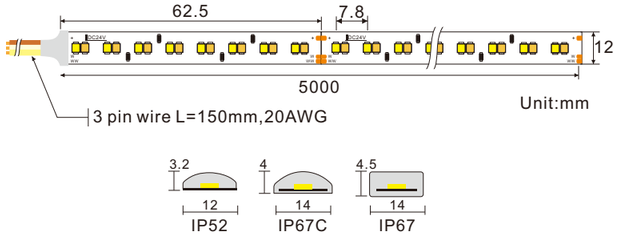


Photo-electric Parameters

CCT	Chromaticity coordinates (x and y)	IP	Dimensions (L*W*H) mm	Power (W/M)	Power (W/0.5M)	LM/0.5M	LM/M	Efficiency (LM/W)	Energy efficiency class		
									IP52	IP67C	IP67
2700K ONLY	x=0.4681 y=0.4226	IP52 IP67C IP67	5000*12*1.4	19.2	9.6	475.20	950.40	99	F	F	F
6500K ONLY	x=0.3154 y=0.3393					556.80	1113.60	116	F	F	F