



ErP LED STRIP SPECIFICATION

24V 9.6W CRI90 2835 120LED/M IP20/65 G



Note: LEDYI may change product specifications and installation guidance without prior notice.

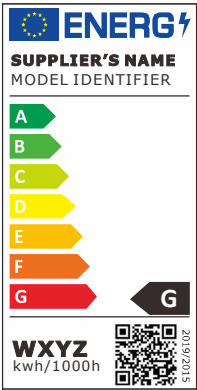
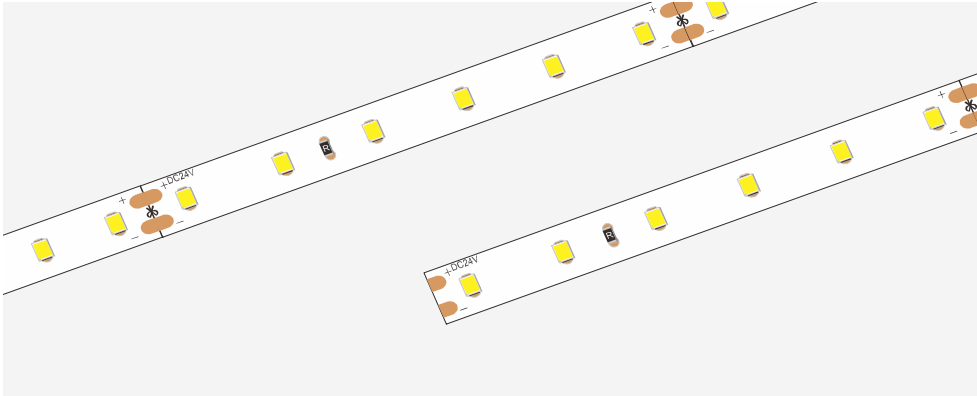
24V 9.6W CRI90 2835 120LED/M IP20/65 G



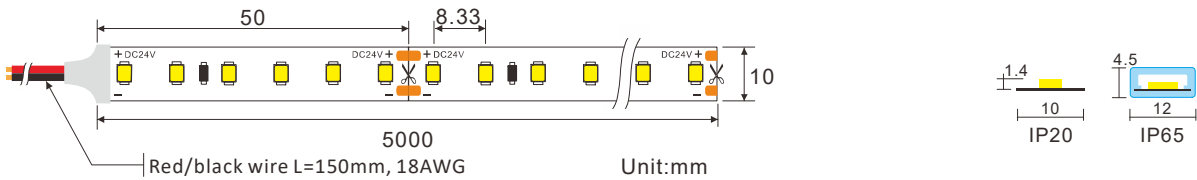
Part Number: LY120-S2835W27-W24-9.6W-Ra90-IP20-ErP

W27/W30/W40/W65

IP20/IP65



Dimensions & Waterproof



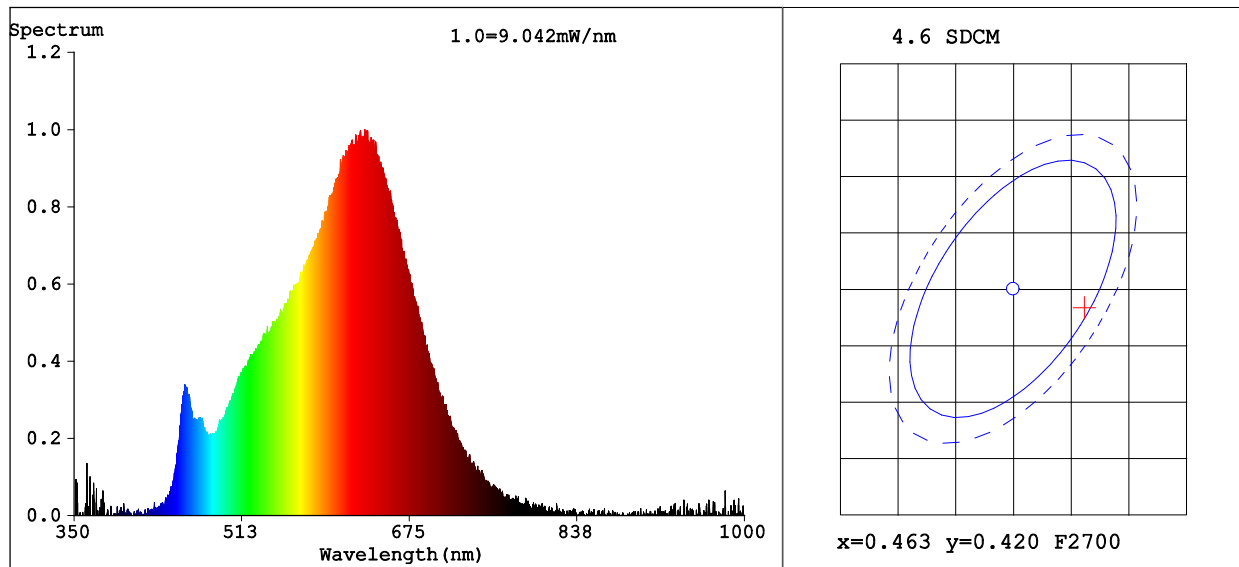
Product Specification

Max.Length	5000mm	Voltage(V)	DC24V
Chip Type	2835SMD	Power(W/m)	9.6W
Chip Density	120LEDs/m	Power(W/0.5m)	4.8W
Step Length	50mm/6LEDs	Beam Angle	120°
MacAdam Ellipse	<6	Operation Temperature	-20°C~50°C
Survival Factor LED	0.9	Lumen Maintenance Factor	0.96

Product Photometrics

CCT	CRI	LM/0.5M	LM/M	LM/W	Energy Efficiency Class	IP Grade
2700K	90	364.80	729.60	76	G	20/65
3000K	90	398.40	796.80	83	G	20/65
4000K	90	403.20	806.40	84	G	20/65
6500K	90	417.60	835.20	87	G	20/65

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.4692$ $y=0.4183$ $u'=0.2650$ $v'=0.5317$

CCT=2633K(Duv=0.0021) Dominant WL:Ld =583.9nm WL:Lc = --nm Purity=66.4%

Ratio:R=27.2% G=70.3% B=2.5% Peak WL:Lp=632.0nm FWHM=139.7nm

Render Index:Ra=94.9

R1 =96	R2 =99	R3 =99	R4 =94	R5 =95	R6 =98	R7 =92
R8 =85	R9 =69	R10=96	R11=96	R12=84	R13=97	R14=99 R15=91

Photo Parameters:

Flux = 387.4 lm Eff. : 76.65 lm/W Fe = 1.420 W

Electrical parameters:

V = 23.999 V I = 0.2106 A P = 5.054 W PF = 1.000

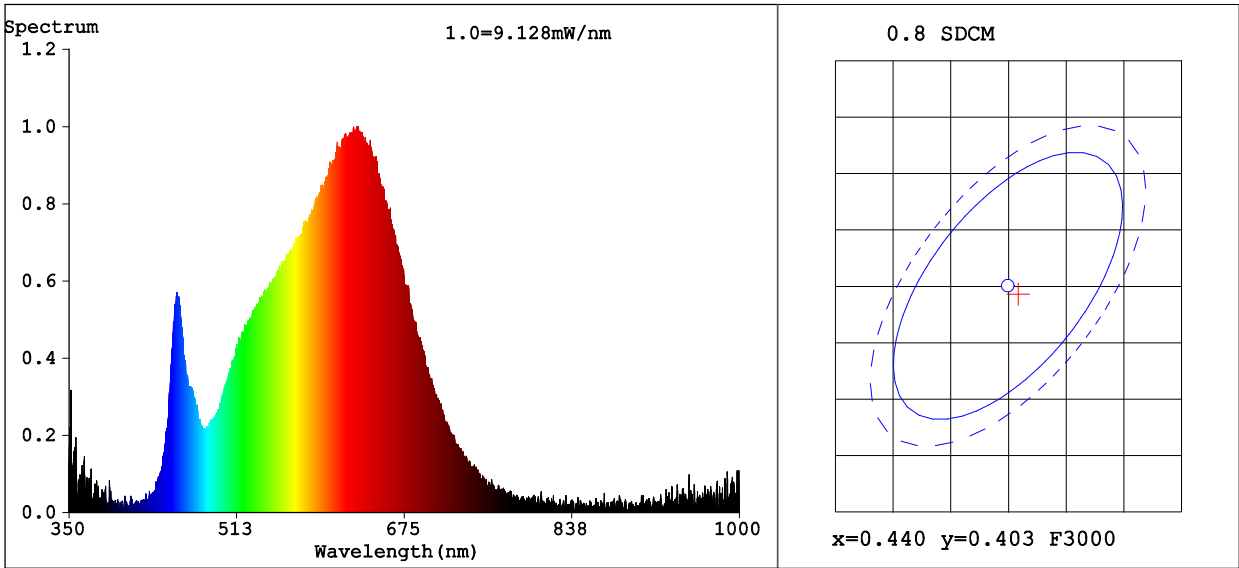
LEVEL:OUT WHITE:ANSI_2700K

Status: Integral T = 100 ms Ip = 578 (1%)

Model:202-10017-00
Tester:River
Temperature:Deg
Manufacturer:

Number:120D-2700K-20mA-IP20
Date:2022-03-21 16:17:02
Humidity:%
Remarks:0.5M

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.4409$ $y=0.4023$ $u'=0.2539$ $v'=0.5213$
CCT=2920K(Duv=-0.0012) Dominant WL:Ld =583.6nm WL:Lc = --nm Purity=53.1%
Ratio:R=25.0% G=72.2% B=2.8% Peak WL:Lp=629.4nm FWHM=157.8nm
Render Index:Ra=94.1

R1 =95	R2 =97	R3 =97	R4 =94	R5 =94	R6 =96	R7 =94	
R8 =86	R9 =70	R10=92	R11=94	R12=79	R13=96	R14=98	R15=92

Photo Parameters:

Flux = 431.6 lm Eff. : 83.69 lm/W Fe = 1.599 W

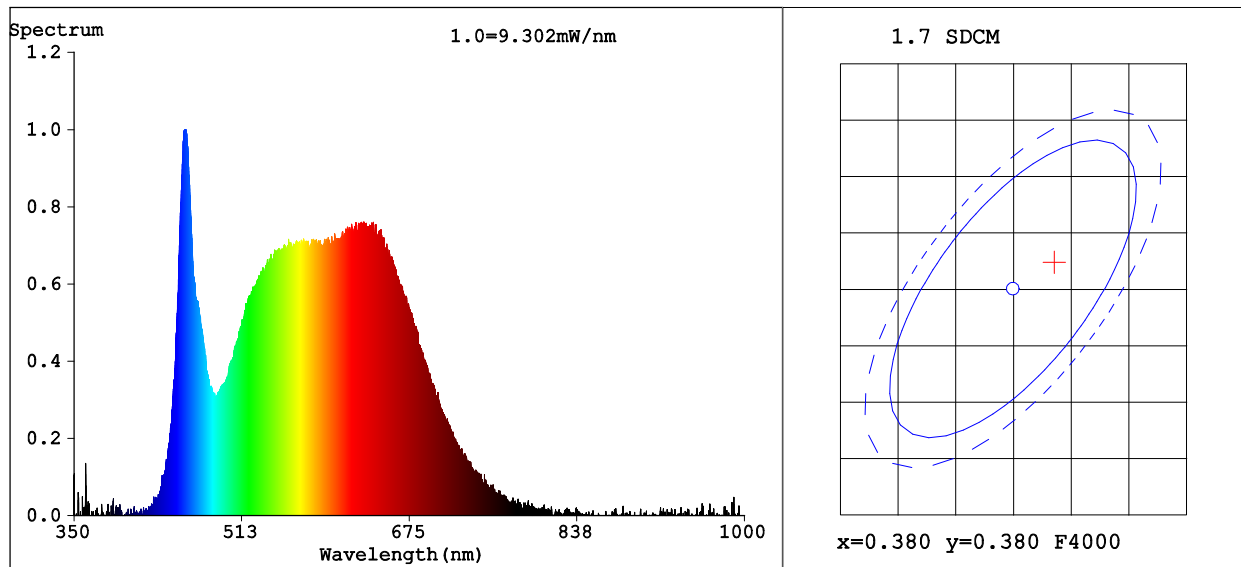
Electrical parameters:

V = 23.999 V I = 0.2149 A P = 5.157 W PF = 1.000
LEVEL:OUT WHITE:ANSI_3000K

Status: Integral T = 100 ms Ip = 594 (1%)

Model:202-00312-00	Number:120D-3000K-20mA-IP20
Tester:River	Date:2022-03-21 16:18:07
Temperature:Deg	Humidity:%
Manufacturer:	Remarks:0.5M

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3836$ $y=0.3824$ $u'=0.2249$ $v'=0.5045$

CCT=3958K(Duv=0.0017) Dominant WL:Ld =578.4nm WL:Lc = --nm Purity=29.9%

Ratio:R=19.7% G=76.1% B=4.2% Peak WL:Lp=457.6nm FWHM=23.1nm

Render Index:Ra=92.9

R1 =94	R2 =96	R3 =96	R4 =89	R5 =90	R6 =92	R7 =95
R8 =90	R9 =79	R10=88	R11=88	R12=63	R13=95	R14=97
						R15=92

Photo Parameters:

Flux = 437.6 lm Eff. : 84.19 lm/W Fe = 1.562 W

Electrical parameters:

V = 23.999 V I = 0.2166 A P = 5.198 W PF = 1.000

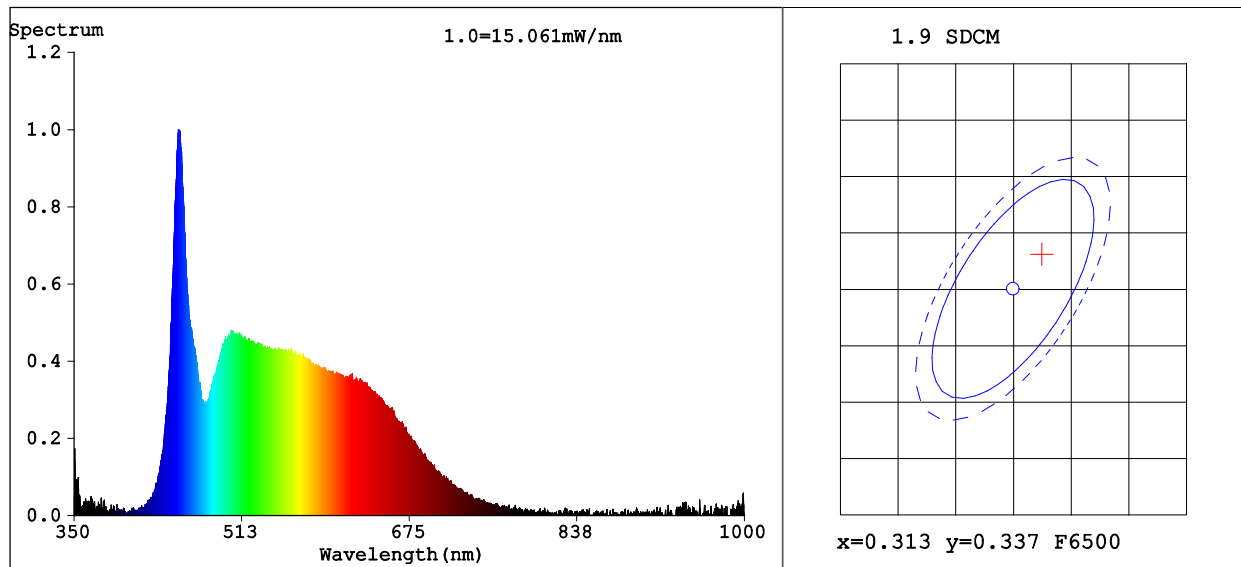
LEVEL:OUT WHITE:ANSI_4000K

Status: Integral T = 100 ms Ip = 492 (1%)

Model:202-00032-00
Tester:River
Temperature:Deg
Manufacturer:

Number:120D-4000K-20mA-IP20
Date:2022-03-21 16:19:30
Humidity:%
Remarks:0.5M

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3155$ $y=0.3401$ $u'=0.1956$ $v'=0.4745$

CCT=6290K(Duv=0.0074) Dominant WL:Ld =496.6nm WL:Lc = --nm Purity=5.7%

Ratio:R=14.9% G=78.3% B=6.8% Peak WL:Lp=451.4nm FWHM=18.0nm

Render Index:Ra=94.2

R1 =93	R2 =97	R3 =99	R4 =93	R5 =93	R6 =95	R7 =95
R8 =89	R9 =72	R10=94	R11=95	R12=71	R13=95	R14=99 R15=91

Photo Parameters:

Flux = 445.3 lm Eff. : 87.82 lm/W Fe = 1.611 W

Electrical parameters:

V = 23.999 V I = 0.2113 A P = 5.071 W PF = 1.000

LEVEL:OUT WHITE:ANSI_6500K

Status: Integral T = 100 ms Ip = 716 (1%)

Model:202-00487-00
Tester:River
Temperature:Deg
Manufacturer:

Number:120D-6500K-20mA-IP20
Date:2022-03-21 16:20:27
Humidity:%
Remarks:0.5M