



ErP LED STRIP SPECIFICATION

24V 19.2W CRI90 2835 240LED/M IP20/65 F



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

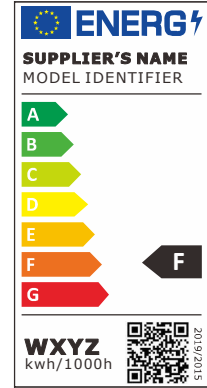
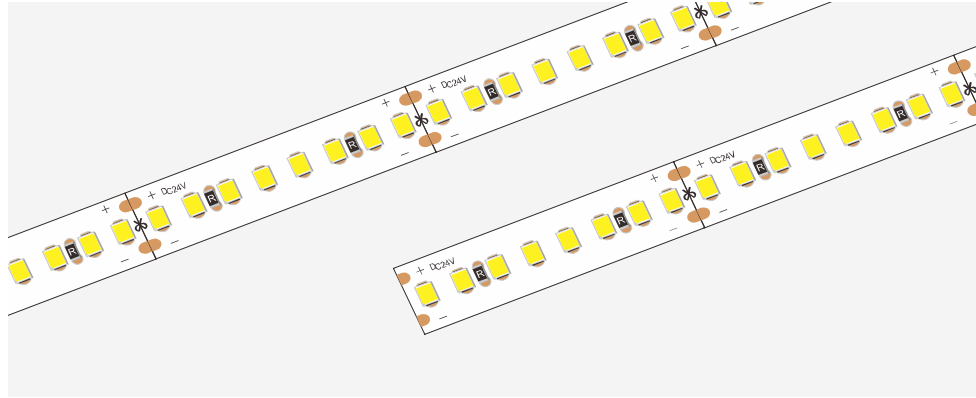
24V 19.2W CRI90 2835 240LED/M IP20/65 F



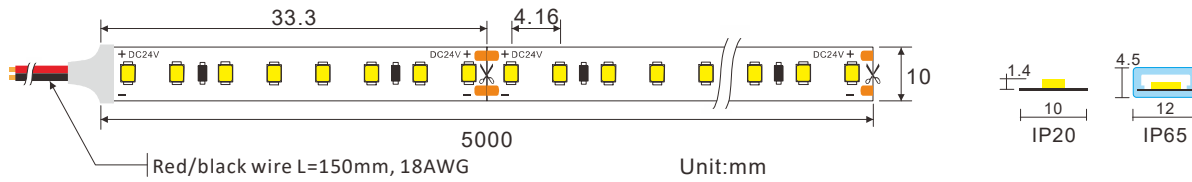
Part Number: LY240-S2835W27-W24-19.2W-Ra90-IP20-ErP

W27/W30/W40/W65

IP20/IP65



Dimensions & Waterproof



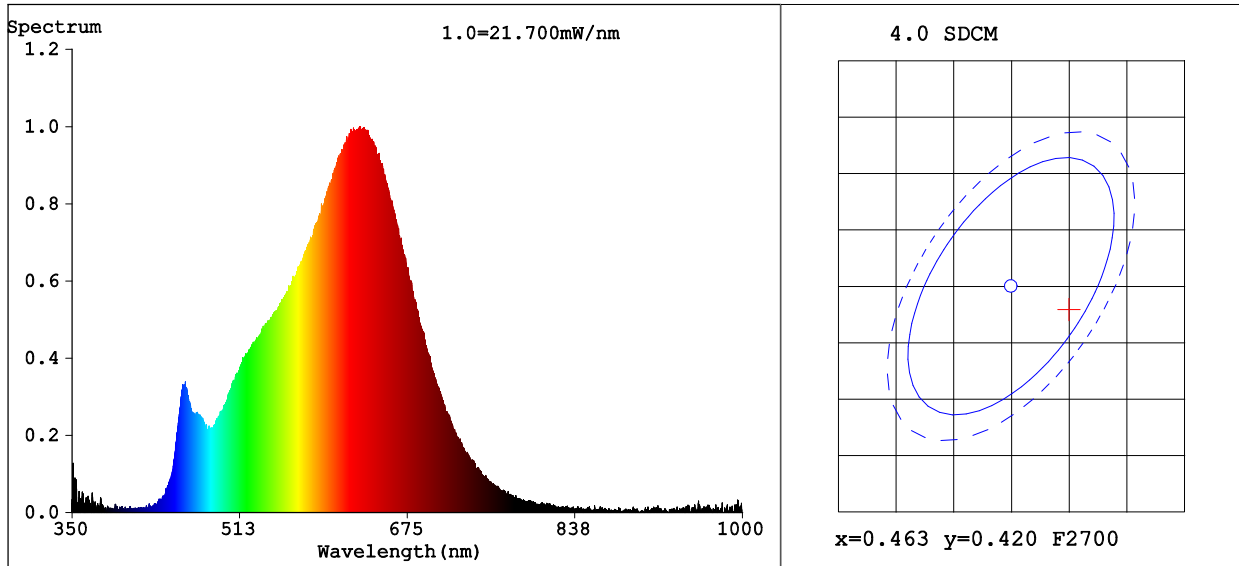
Product Specification

Max.Length	5000mm	Voltage(V)	DC24V
Chip Type	2835SMD	Power(W/m)	19.2W
Chip Density	240LEDs/m	Power(W/0.5m)	9.6W
Step Length	33.3mm/8LEDs	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	931.20	1862.40	97	F	20/65
3000K	90	1027.20	2054.40	107	F	20/65
4000K	90	1046.40	2092.80	109	F	20/65
6500K	90	1084.80	2169.60	113	F	20/65

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.4680$ $y=0.4179$ / $u'=0.2644$ $v'=0.5313$

CCT=2646K(Duv=0.0020) Dominant WL:Ld =583.9nm Purity=65.9%

Ratio:R=27.1% G=70.3% B=2.6% Peak WL:Lp=629.7nm FWHM=144.1nm

Render Index:Ra=94.7 AvgR=92.6

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 = 950.9 lm Eff. : 97.90 lm/W Fe = 3.510 W

Electrical parameters:

V = 23.999 V I = 0.4047 A P = 9.712 W PF = 1.000

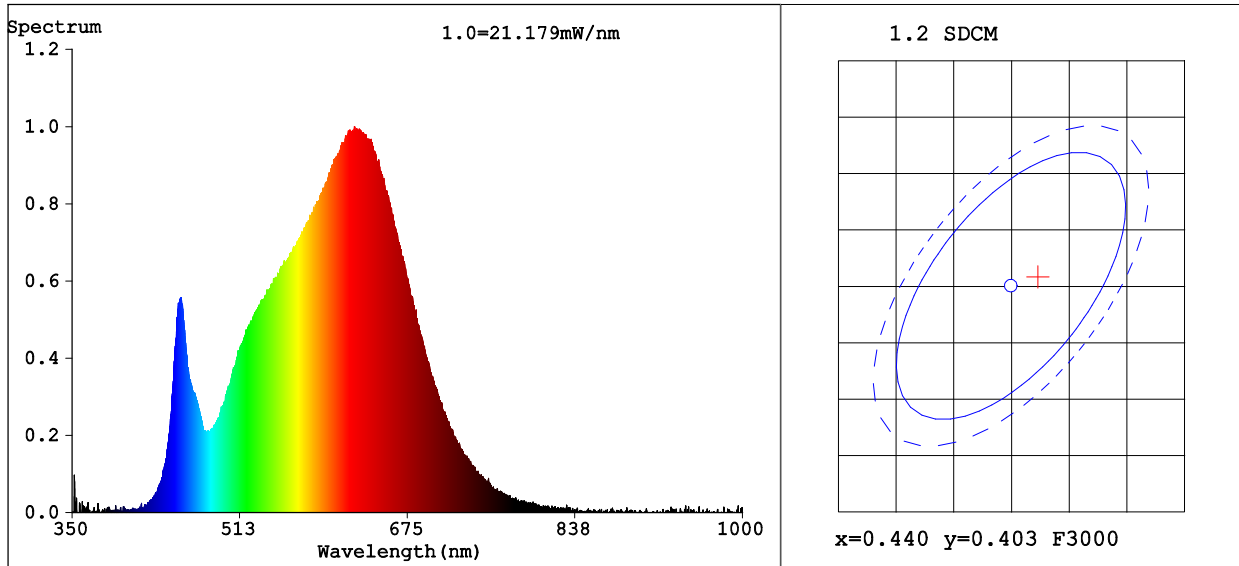
LEVEL:OUT WHITE:ANSI_2700K

Status: Integral T = 100 ms Ip = 1410 (2%)

Model:
Tester:River
Temperature:Deg
Manufacturer:

Number:240D-2700K-26mA-IP20
Date:2022-03-25 17:52:37
Humidity:%
Remarks:

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.4423$ $y=0.4038$ $u'=0.2542$ $v'=0.5221$

CCT=2909K(Duv=-0.0008) Dominant WL:Ld =583.5nm Purity=54.0%

Ratio:R=25.0% G=72.3% B=2.7% Peak WL:Lp=623.8nm FWHM=158.8nm

Render Index:Ra=93.5 AvgR=90.7

R1 =94	R2 =97	R3 =97	R4 =93	R5 =93	R6 =95	R7 =93	
R8 =85	R9 =68	R10=90	R11=93	R12=78	R13=95	R14=97	R15=91

Photo Parameters:

Flux = 1013 lm Eff. : 107.13 lm/W Fe = 3.606 W

Electrical parameters:

V = 23.999 V I = 0.3939 A P = 9.453 W PF = 1.000

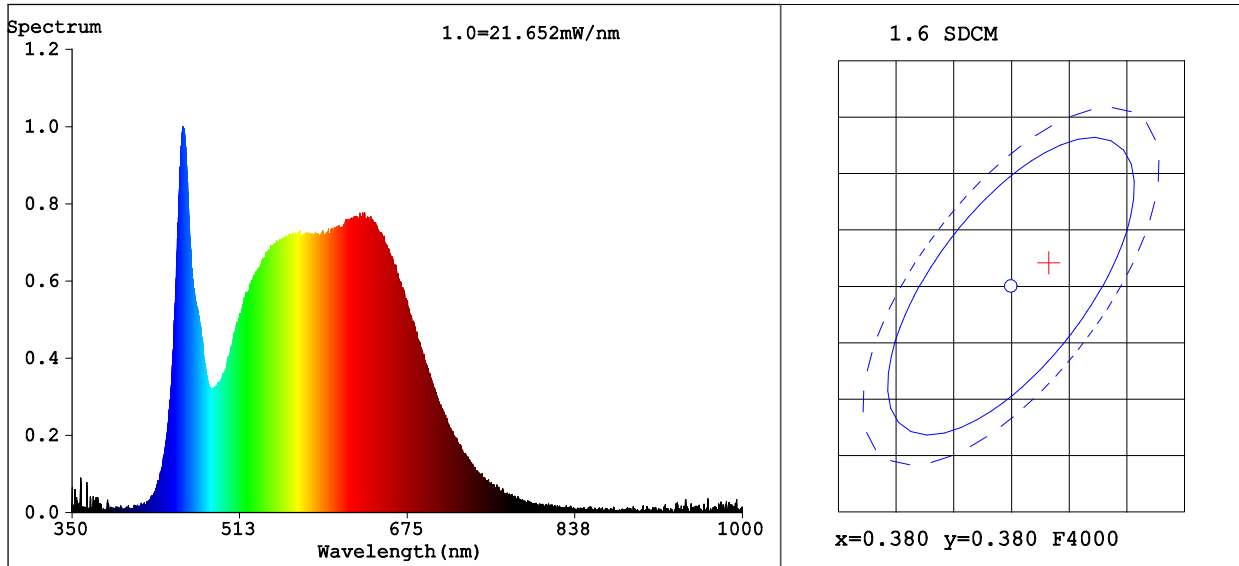
LEVEL:OUT WHITE:ANSI_3000K

Status: Integral T = 100 ms Ip = 1385 (2%)

Model:
Tester:River
Temperature:Deg
Manufacturer:

Number:240D-3000K-26mA-IP20
Date:2022-03-25 17:54:13
Humidity:%
Remarks:

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: x=0.3833 y=0.3821/u'=0.2249 v'=0.5043

CCT=3963K(Duv=0.0016) Dominant WL:Ld =578.4nm Purity=29.7%

Ratio:R=19.7% G=76.1% B=4.2% Peak WL:Lp=457.5nm FWHM=24.5nm

Render Index:Ra=92.8 AvgR=89.7

R1 =94	R2 =96	R3 =96	R4 =90	R5 =90	R6 =92	R7 =95	
R8 =90	R9 =78	R10=88	R11=88	R12=64	R13=95	R14=97	R15=92

Photo Parameters:

Flux = 1042 lm Eff. : 109.05 lm/W Fe = 3.750 W

Electrical parameters:

V = 23.999 V I = 0.3981 A P = 9.554 W PF = 1.000

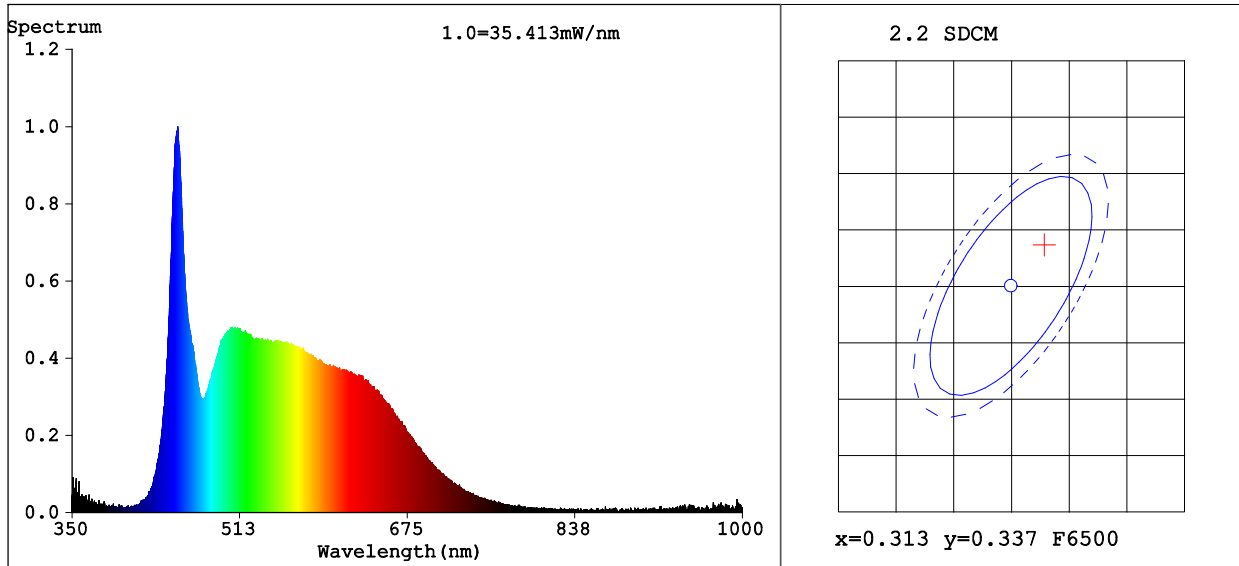
LEVEL:OUT WHITE:ANSI_4000K

Status: Integral T = 100 ms Ip = 1164 (2%)

Model:
Tester:River
Temperature:Deg
Manufacturer:

Number:240D-4000K-26mA-IP20
Date:2022-03-25 17:54:52
Humidity:%
Remarks:

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3159$ $y=0.3407$ / $u'=0.1957$ $v'=0.4749$

CCT=6268K(Duv=0.0075) Dominant WL:Ld =497.1nm Purity=5.5%

Ratio:R=14.8% G=78.5% B=6.7% Peak WL:Lp=452.4nm FWHM=19.1nm

Render Index:Ra=93.9 AvgR=90.7

R1 =93	R2 =96	R3 =99	R4 =93	R5 =93	R6 =94	R7 =95	
R8 =89	R9 =69	R10=92	R11=94	R12=71	R13=94	R14=99	R15=90

Photo Parameters:

Flux = 1077 lm Eff. : 113.25 lm/W Fe = 3.917 W

Electrical parameters:

V = 23.999 V I = 0.3961 A P = 9.506 W PF = 1.000

LEVEL:OUT WHITE:ANSI_6500K

Status: Integral T = 100 ms Ip = 1689 (3%)

Model:
Tester:River
Temperature:Deg
Manufacturer:

Number:240D-6500K-26mA-IP20
Date:2022-03-25 17:55:30
Humidity:%
Remarks: