



ErP LED STRIP SPECIFICATION

24V 14.4W CRI90 2835 140LED/M IP20/65 F

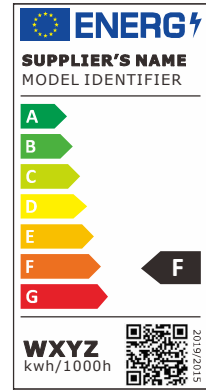
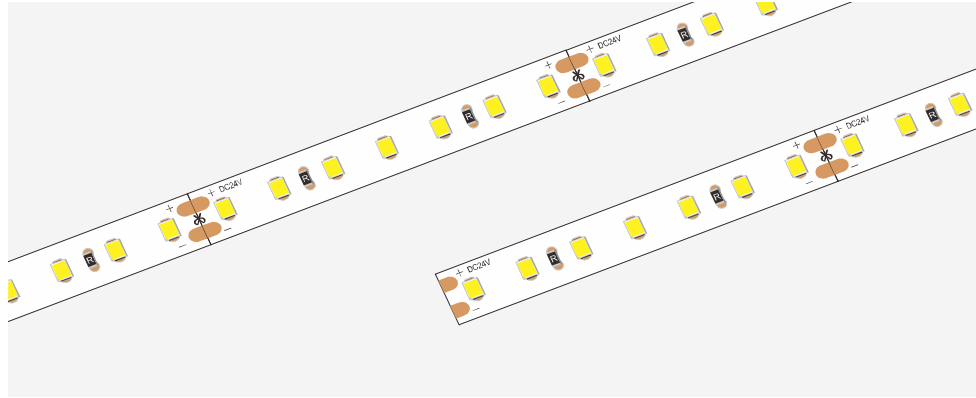


Note: LEDYI may change product specifications and installation guidance without prior notice.

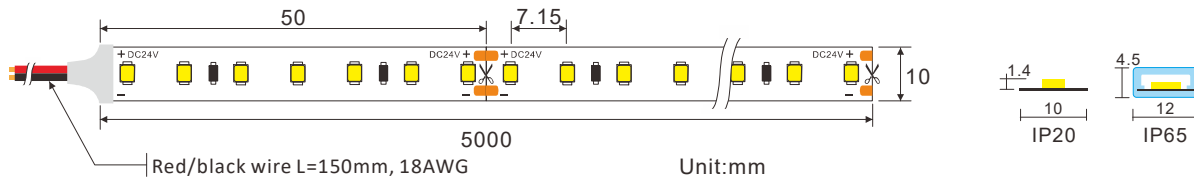
24V 14.4W CRI90 2835 140LED/M IP20/65 F



Part Number: LY140-S2835W27-W24-14.4W-Ra90-IP20-ErP
 W27/W30/W40/W65 IP20/IP65



Dimensions & Waterproof



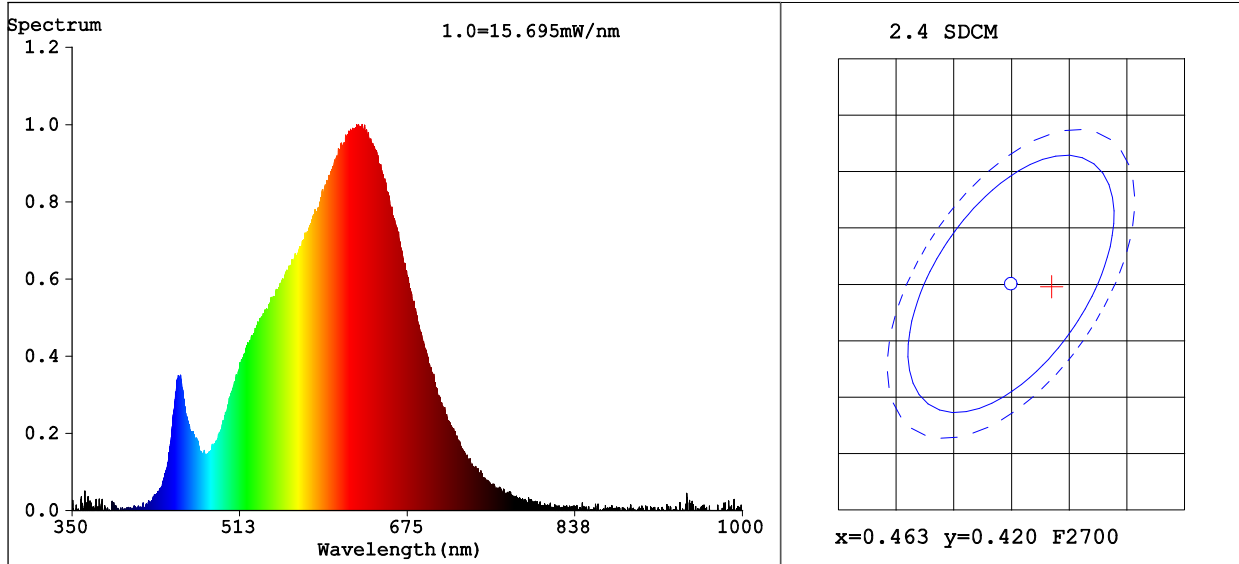
Product Specification

Max.Length	5000mm	Voltage(V)	DC24V
Chip Type	2835SMD	Power(W/m)	14.4W
Chip Density	140LEDs/m	Power(W/0.5m)	7.2W
Step Length	50mm/7LEDs	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	676.80	1353.60	94	F	20/65
3000K	90	676.80	1353.60	94	F	20/65
4000K	90	705.60	1411.20	98	F	20/65
6500K	90	741.60	1483.20	103	F	20/65

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.4665$ $y=0.4197$ / $u'=0.2627$ $v'=0.5318$
 CCT=2679K(Duv=0.0028) Dominant WL:Ld =583.5nm WL:Lc = --nm Purity=66.0%
 Ratio:R=26.3% G=71.7% B=2.0% Peak WL:Lp=626.1nm FWHM=150.7nm
 Render Index:Ra=91.6

R1 =92	R2 =94	R3 =95	R4 =92	R5 =90	R6 =93	R7 =94	
R8 =82	R9 =59	R10=85	R11=92	R12=76	R13=92	R14=96	R15=88

Photo Parameters:

Flux = 710.3 lm Eff. : 94.96 lm/W Fe = 2.512 W

Electrical parameters:

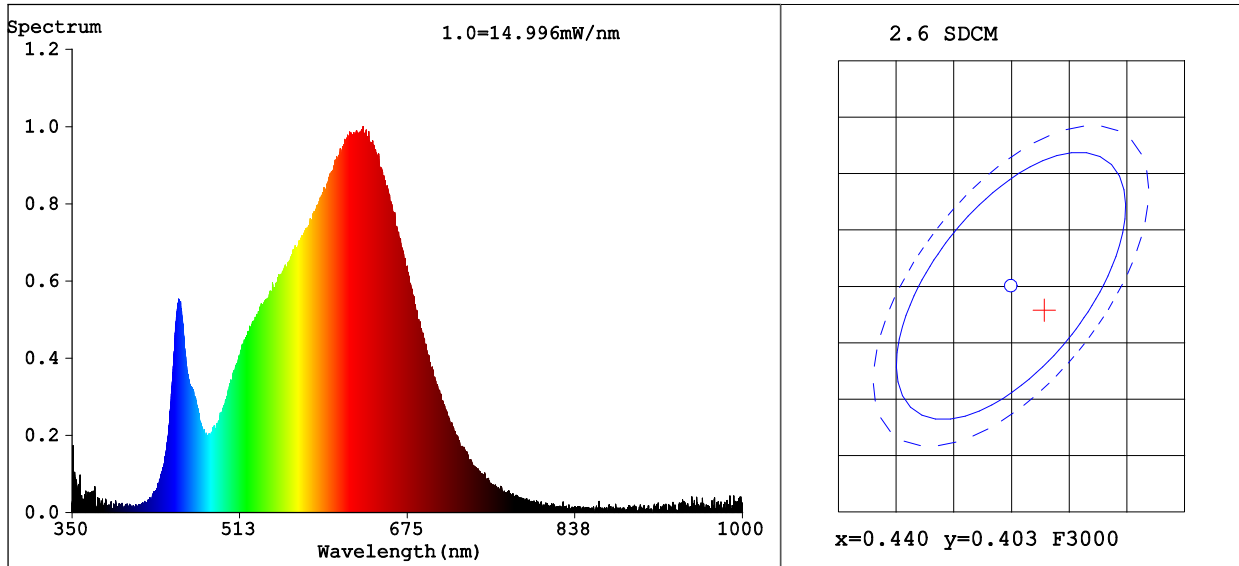
V = 23.999 V I = 0.3117 A P = 7.480 W PF = 1.000
 LEVEL:OUT WHITE:ANSI_2700K

Status: Integral T = 100 ms Ip = 1020 (2%)

Model:
 Tester:
 Temperature:Deg
 Manufacturer:

Number:140D-2700K-30mA-IP20
 Date:2022-03-23 16:24:45
 Humidity:%
 Remarks:0.5M

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.4429$ $y=0.4009$ $u'=0.2558$ $v'=0.5210$
 CCT=2876K(Duv=-0.0020) Dominant WL:Ld =584.1nm WL:Lc = --nm Purity=53.2%
 Ratio:R=25.3% G=72.1% B=2.7% Peak WL:Lp=632.3nm FWHM=158.8nm
 Render Index:Ra=93.8

R1 =95	R2 =97	R3 =97	R4 =93	R5 =94	R6 =95	R7 =93	
R8 =86	R9 =69	R10=91	R11=93	R12=80	R13=95	R14=97	R15=92

Photo Parameters:

Flux = 704.2 lm Eff. : 94.08 lm/W Fe = 2.589 W

Electrical parameters:

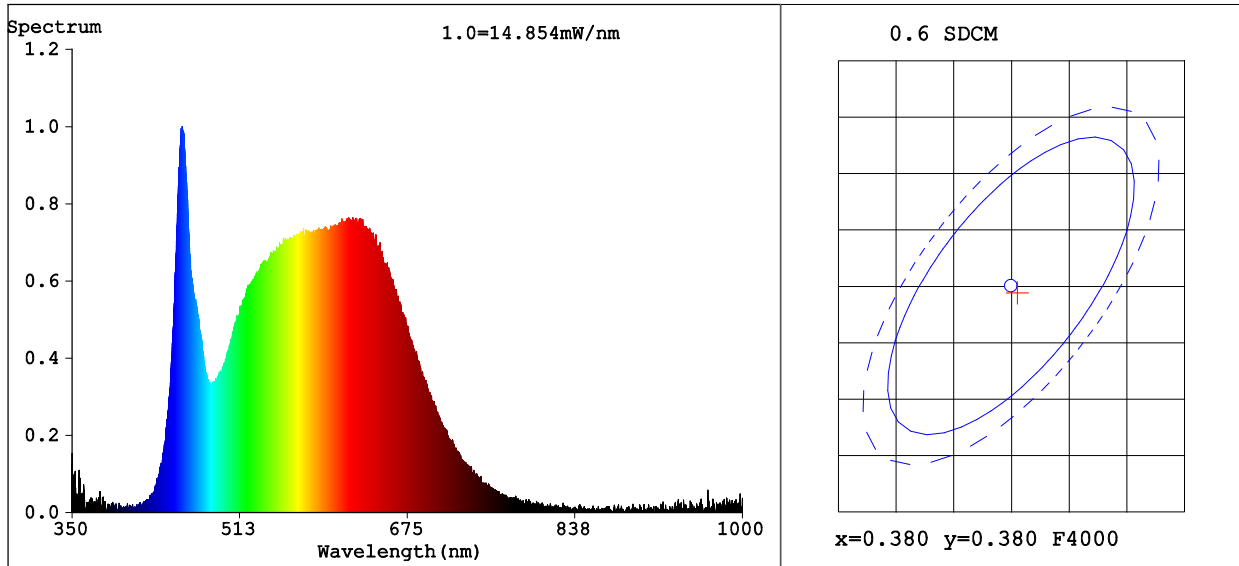
V = 23.999 V I = 0.3119 A P = 7.485 W PF = 1.000
 LEVEL:OUT WHITE:ANSI_3000K

Status: Integral T = 100 ms Ip = 972 (1%)

Model:
 Tester:
 Temperature:Deg
 Manufacturer:

Number:140D-3000K-30mA-IP20
 Date:2022-03-23 16:25:43
 Humidity:%
 Remarks:0.5M

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3805$ $y=0.3794$ $u'=0.2241$ $v'=0.5028$
 CCT=4017K(Duv=0.0012) Dominant WL:Ld =578.4nm WL:Lc = --nm Purity=28.1%
 Ratio:R=19.5% G=76.2% B=4.3% Peak WL:Lp=456.9nm FWHM=24.2nm
 Render Index:Ra=92.5

R1 =93	R2 =96	R3 =97	R4 =89	R5 =90	R6 =92	R7 =94	
R8 =88	R9 =72	R10=89	R11=89	R12=65	R13=94	R14=98	R15=91

Photo Parameters:

Flux = 711.9 lm Eff. : 98.95 lm/W Fe = 2.517 W

Electrical parameters:

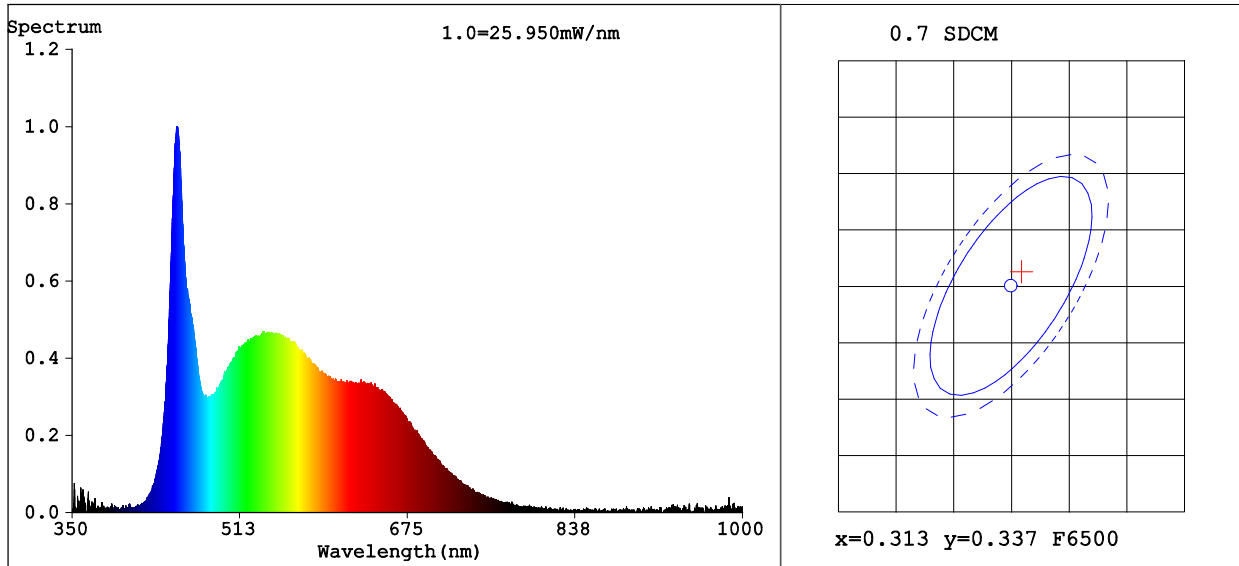
V = 23.999 V I = 0.2998 A P = 7.195 W PF = 1.000
 LEVEL:OUT WHITE:ANSI_4000K

Status: Integral T = 100 ms Ip = 790 (1%)

Model:
 Tester:
 Temperature:Deg
 Manufacturer:

Number:140D-4000K-30mA-IP20
 Date:2022-03-23 16:26:24
 Humidity:%
 Remarks:0.5M

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3139$ $y=0.3383$ $u'=0.1952$ $v'=0.4734$
 CCT=6378K(Duv=0.0073) Dominant WL:Ld =495.0nm WL:Lc = --nm Purity=6.3%
 Ratio:R=14.3% G=79.4% B=6.3% Peak WL:Lp=451.7nm FWHM=22.4nm
 Render Index:Ra=91.3

R1 =90	R2 =93	R3 =94	R4 =89	R5 =89	R6 =89	R7 =97	
R8 =90	R9 =71	R10=83	R11=88	R12=62	R13=91	R14=97	R15=89

Photo Parameters:

Flux = 769.9 lm Eff. : 103.69 lm/W Fe = 2.823 W

Electrical parameters:

V = 23.999 V I = 0.3094 A P = 7.425 W PF = 1.000
 LEVEL:OUT WHITE:ANSI_6500K

Status: Integral T = 100 ms Ip = 1237 (2%)

Model:
 Tester:
 Temperature:Deg
 Manufacturer:

Number:140D-6500K-30mA-IP20
 Date:2022-03-23 16:27:04
 Humidity:%
 Remarks:0.5M