



## ErP LED STRIP SPECIFICATION

24V 9.6W CRI90 2835 140LED/M IP20/65 F/G

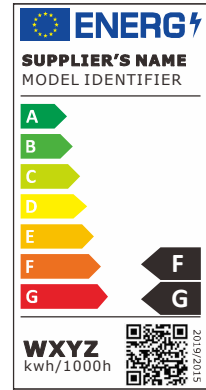
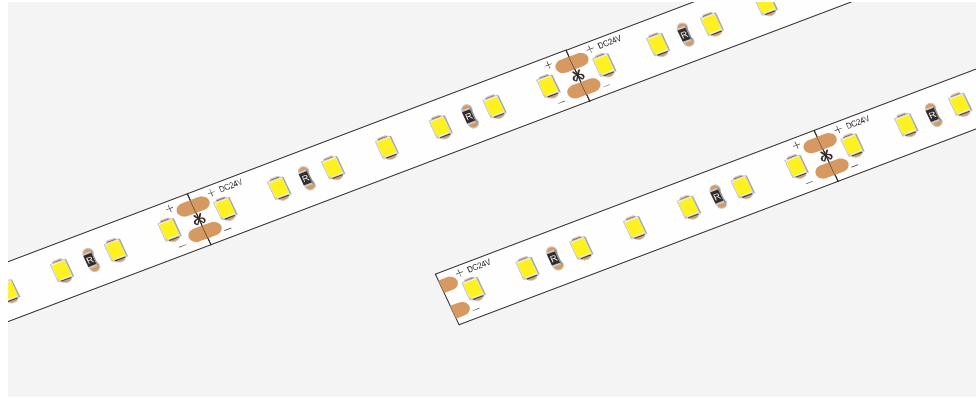


Note: LEDYI may change product specifications and installation guidance without prior notice.

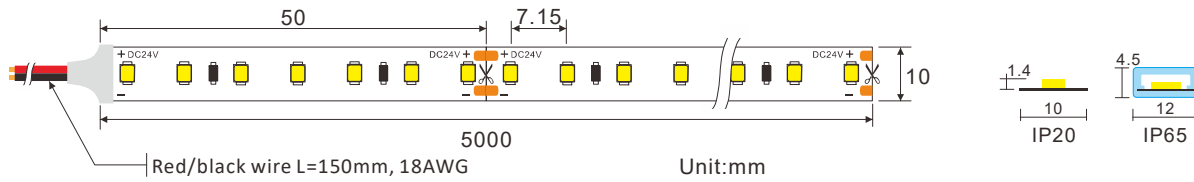
# 24V 9.6W CRI90 2835 140LED/M IP20/65 F/G



Part Number: LY140-S2835-W27-W24-9.6W-Ra90-IP20-ErP  
 W27/W30/W40/W65 IP20/IP65



## Dimensions & Waterproof



## Product Specification

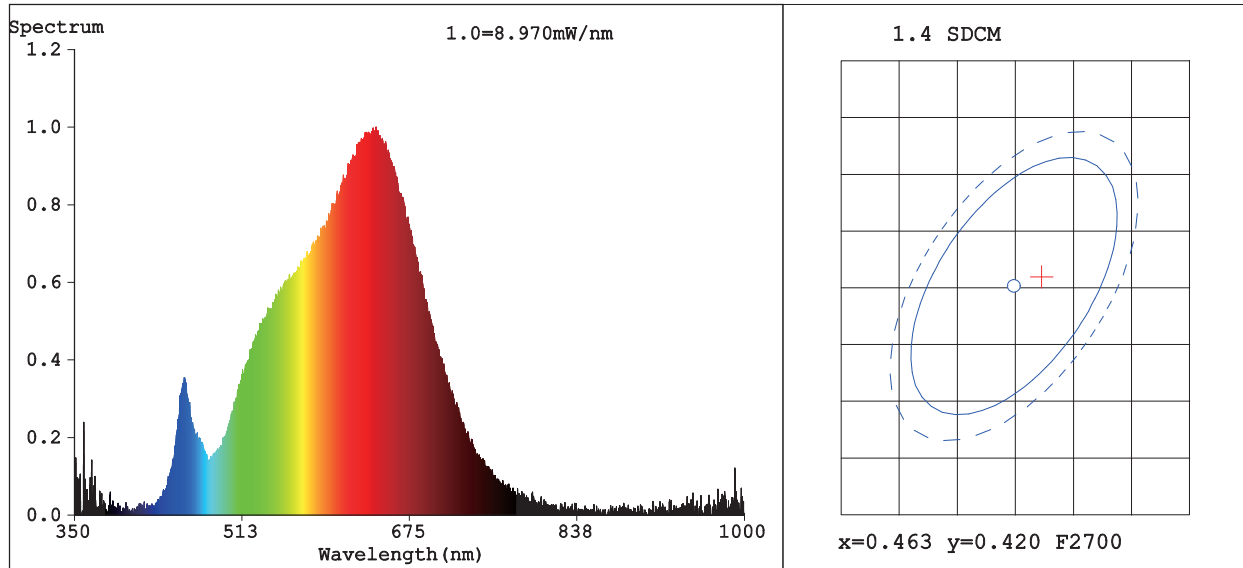
Max.Length	5000mm
Chip Type	2835SMD
Chip Density	140LEDs/m
Step Length	50mm/7LEDs
MacAdam Ellipse	<6
Survival Factor LED	0.9

Voltage(V)	DC24V
Power(W/m)	9.6W
Power(W/0.5m)	4.8W
Beam Angle	120°
Operation Temperature	-20°C~50°C
Lumen Maintenance Factor	0.96

## Product Photometrics

CCT	CRI	LM/0.5M	LM/M	LM/W	Energy Efficiency Class	IP Grade
2700K	90	379.20	758.40	79	G	20/65
3000K	90	403.20	806.40	84	G	20/65
4000K	90	436.80	873.60	91	G	20/65
6500K	90	465.60	931.20	97	F	20/65

### Spectrum Test Report



#### Color Parameters:

Chromaticity Coordinate:  $x=0.4654$   $y=0.4208$   $u'=0.2615$   $v'=0.5320$   
 CCT=2702K(Duv=0.0033) Dominant WL:Ld =583.2nm WL:Lc = --nm Purity=66.0%  
 Ratio:R=26.2% G=71.8% B=2.0% Peak WL:Lp=642.5nm FWHM=164.2nm  
 Render Index:Ra=93.6

R1 =94	R2 =94	R3 =92	R4 =95	R5 =92	R6 =91	R7 =98	
R8 =92	R9 =78	R10=85	R11=94	R12=73	R13=94	R14=94	R15=93

#### Photo Parameters:

Flux = 389.5 lm Eff. : 79.10 lm/W Fe = 1.504 W

#### Electrical parameters:

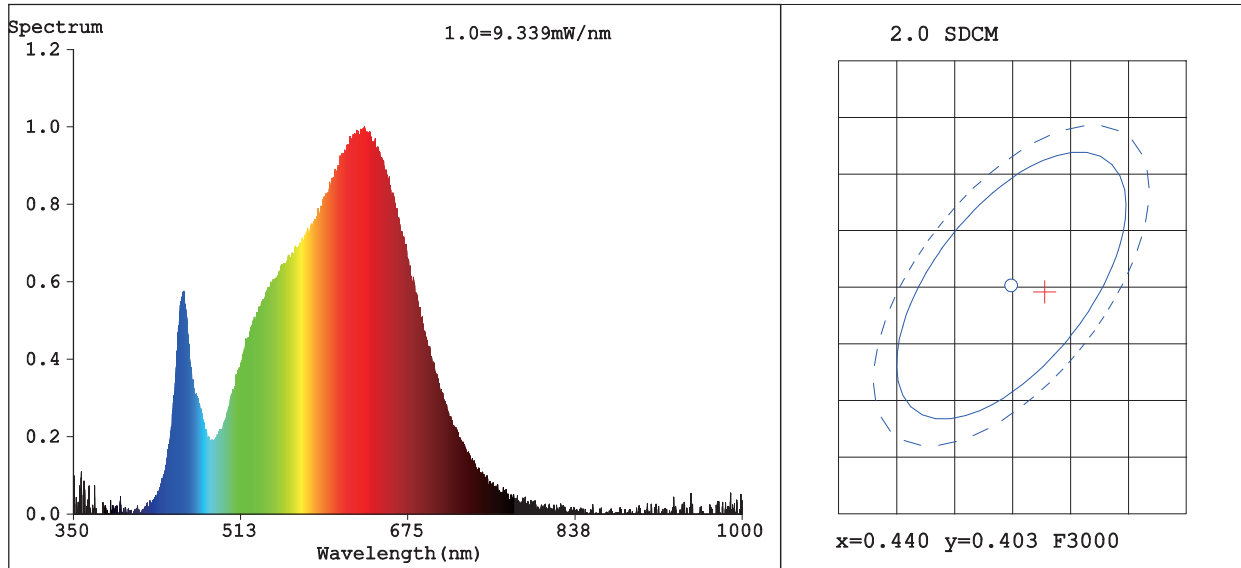
V = 23.998 V I = 0.2052 A P = 4.924 W PF = 1.000  
 LEVEL:OUT WHITE:ANSI\_2700K

Status: Integral T = 100 ms Ip = 556 (1%)

Model : 202-20004-00  
 Tester:  
 Temperature:Deg  
 Manufacturer :

Number:140D-2700K-20mA-IP20  
 Date:2022-03-15 10:08:51  
 Humidity:%  
 Remarks:

### Spectrum Test Report



#### Color Parameters:

Chromaticity Coordinate:  $x=0.4429$   $y=0.4024$   $u'=0.2551$   $v'=0.5216$   
 CCT=2889K(Duv=-0.0014) Dominant WL:Ld =583.8nm WL:Lc = --nm Purity=53.7%  
 Ratio:R=25.2% G=72.3% B=2.6% Peak WL:Lp=632.9nm FWHM=160.6nm  
 Render Index:Ra=93.6

R1 =95	R2 =96	R3 =94	R4 =93	R5 =93	R6 =94	R7 =95		
R8 =89	R9 =74	R10=88	R11=92	R12=75	R13=95	R14=96	R15=93	

#### Photo Parameters:

Flux = 437.6 lm Eff. : 84.31 lm/W Fe = 1.601 W

#### Electrical parameters:

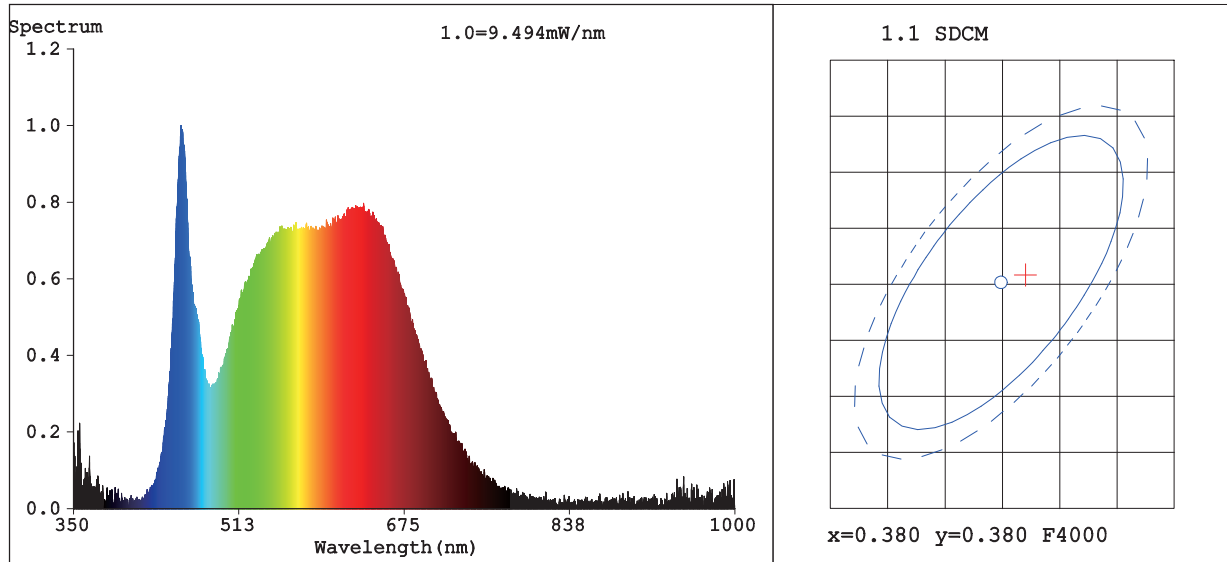
V = 23.998 V I = 0.2163 A P = 5.191 W PF = 1.000  
 LEVEL:OUT WHITE:ANSI\_3000K

Status: Integral T = 100 ms Ip = 600 (1%)

Model:202-20006-00  
 Tester:  
 Temperature:Deg  
 Manufacturer:

Number:140D-3000K-20mA-IP20  
 Date:2022-03-15 10:13:59  
 Humidity:%  
 Remarks:

### Spectrum Test Report



#### Color Parameters:

Chromaticity Coordinate:  $x=0.3821$   $y=0.3807$   $u'=0.2246$   $v'=0.5035$   
 CCT=3984K(Duv=0.0013) Dominant WL:Ld =578.4nm WL:Lc = --nm Purity=28.9%  
 Ratio:R=19.6% G=76.3% B=4.1% Peak WL:Lp=455.8nm FWHM=23.9nm  
 Render Index:Ra=93.2

R1 =94	R2 =96	R3 =94	R4 =91	R5 =91	R6 =91	R7 =96	
R8 =92	R9 =80	R10=87	R11=90	R12=64	R13=94	R14=96	R15=93

#### Photo Parameters:

Flux = 464.6 lm Eff. : 91.07 lm/W Fe = 1.706 W

#### Electrical parameters:

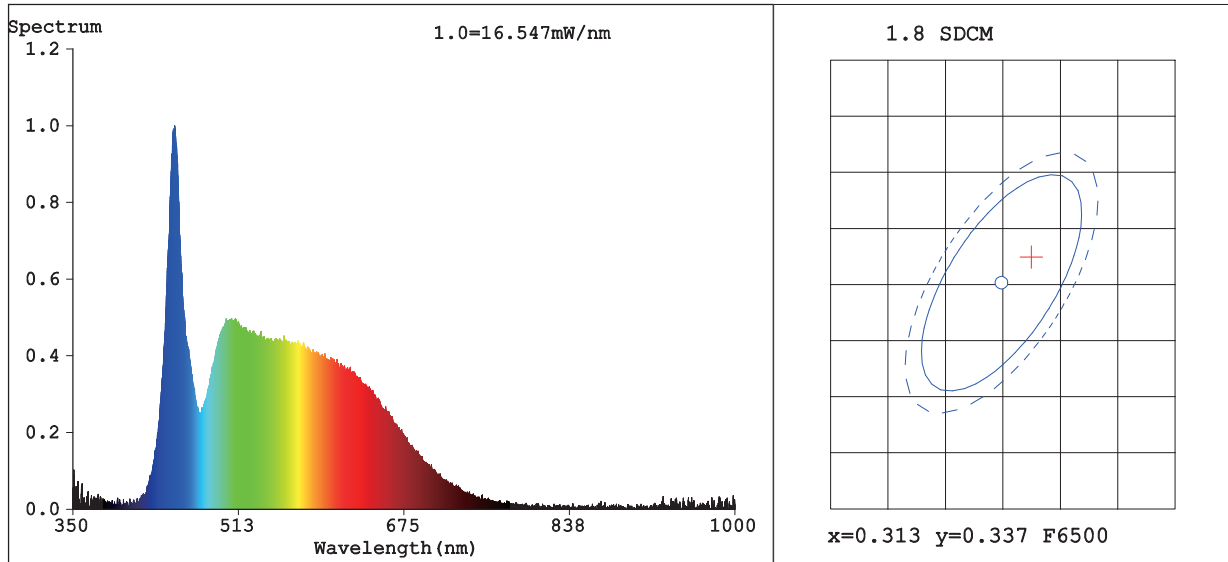
V = 23.998 V I = 0.2126 A P = 5.102 W PF = 1.000  
 LEVEL:OUT WHITE:ANSI\_4000K

Status: Integral T = 100 ms Ip = 520 (1%)

Model : 202-20009-00  
 Tester:  
 Temperature:Deg  
 Manufacturer:

Number:140D-4000K-20mA-IP20  
 Date:2022-03-15 10:17:34  
 Humidity:%  
 Remarks:

### Spectrum Test Report



#### Color Parameters:

Chromaticity Coordinate:  $x=0.3156$   $y=0.3393$   $u'=0.1960$   $v'=0.4742$   
 CCT=6290K(Duv=0.0070) Dominant WL:Ld =496.0nm WL:Lc = --nm Purity=5.7%  
 Ratio:R=14.7% G=78.9% B=6.5% Peak WL:Lp=450.1nm FWHM=18.4nm  
 Render Index:Ra=93.0

R1 =92	R2 =94	R3 =98	R4 =94	R5 =92	R6 =93	R7 =95	
R8 =87	R9 =60	R10=89	R11=94	R12=75	R13=92	R14=99	R15=88

#### Photo Parameters:

Flux = 505.9 lm Eff. : 97.19 lm/W Fe = 1.795 W

#### Electrical parameters:

V = 23.998 V I = 0.2169 A P = 5.205 W PF = 1.000  
 LEVEL:OUT WHITE:ANSI\_6500K

Status: Integral T = 100 ms Ip = 775 (1%)Model:202-50020-00

Model : 202-50020-00  
 Tester:  
 Temperature:Deg  
 Manufacturer:

Number:140D-6500K-20mA-IP20  
 Date:2022-03-15 10:21:00  
 Humidity:%  
 Remarks: