



## ErP LED STRIP SPECIFICATION

TW 24V 14.4W CRI90 2835 160LED/M IP52/67 F

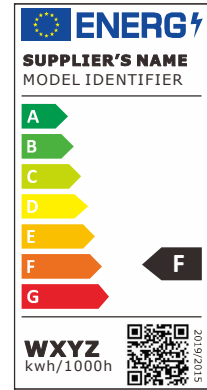
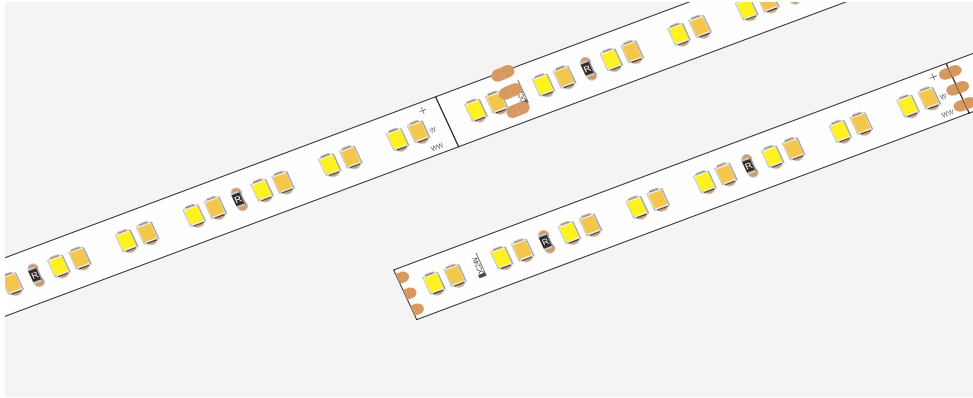


Note: LEDYI may change product specifications and installation guidance without prior notice.

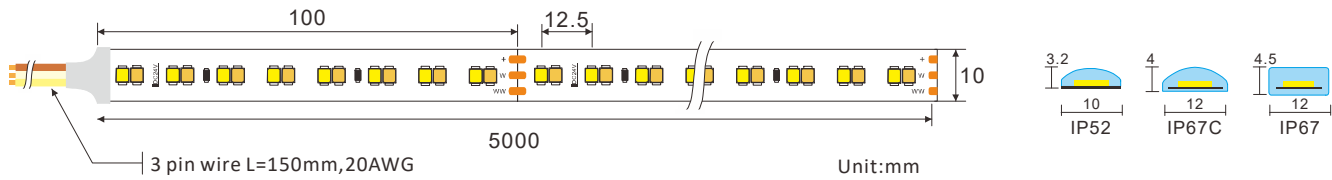
# TW 24V 14.4W CRI90 2835 160LED/M IP52/67 F



Part Number: LY160-S2835TW-W24-14.4W-Ra90-IP52-ErP  
 ↳ IP67C/IP67



## Dimensions & Waterproof



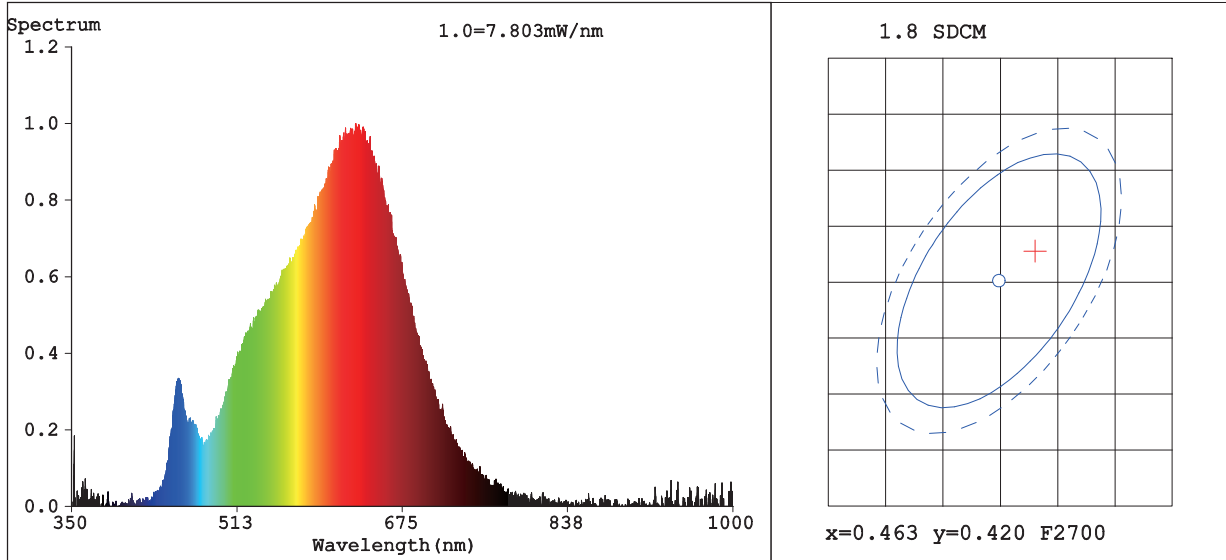
## Product Specification

|                     |              |                          |            |
|---------------------|--------------|--------------------------|------------|
| Max.Length          | 5000mm       | Voltage(V)               | DC24V      |
| Chip Type           | 2835SMD      | Power(W/m)               | 14.4W      |
| Chip Density        | 160LEDs/m    | Power(W/0.5m)            | 7.2W       |
| Step Length         | 100mm/16LEDs | 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        | W/0.5M | LM/0.5M | LM/M   | LM/W | Energy Efficiency Class | IP Grade  |
|------------|--------|---------|--------|------|-------------------------|-----------|
| 2700K ONLY | 3.6    | 342.00  | 684.00 | 95   | F                       | 52/67C/67 |
| 6500K ONLY | 3.6    | 399.60  | 799.20 | 111  | F                       | 52/67C/67 |

### Spectrum Test Report



#### Color Parameters:

Chromaticity Coordinate:  $x=0.4662$   $y=0.4227/u'=0.2612$   $v'=0.5328$   
 CCT=2706K(Duv=0.0039) Dominant WL:Ld =583.0nm WL:Lc = --nm Purity=66.8%  
 Ratio:R=26.2% G=71.6% B=2.2% Peak WL:Lp=629.1nm FWHM=152.3nm  
 Render Index:Ra=92.9 TM30:Rf=92 Rg=96

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| R1 =93 | R2 =95 | R3 =96 | R4 =94 | R5 =92 | R6 =95 | R7 =95 |        |
| R8 =85 | R9 =64 | R10=87 | R11=94 | R12=77 | R13=93 | R14=97 | R15=89 |

#### Photo Parameters:

Flux = 349.2 lm Eff. : 95.47 lm/W Fe = 1.246 W

#### Electrical parameters:

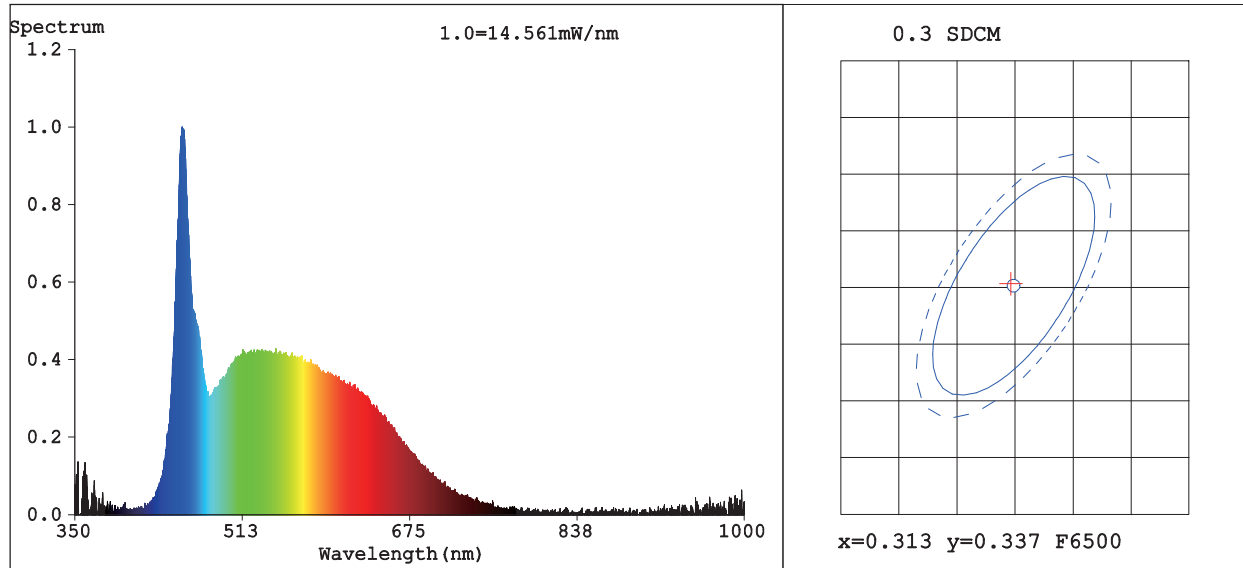
V = 24.598 V I = 0.1487 A P = 3.658 W PF = 1.000  
 LEVEL:OUT WHITE:ANSI\_2700K

Status: Integral T = 100 ms Ip = 509 (1%)

Model : 160D 2835  
 Tester:  
 Temperature:Deg  
 Manufacturer:

Number:2700K  
 Date:2022-04-14 09:13:51  
 Humidity:%  
 Remarks:0.5M

### Spectrum Test Report



#### Color Parameters:

Chromaticity Coordinate: x=0.3127 y=0.3372/u'=0.1948 v'=0.4726

CCT=6446K(Duv=0.0073) Dominant WL:Ld =494.1nm WL:Lc = --nm Purity=6.7%

Ratio:R=14.4% G=78.8% B=6.8% Peak WL:Lp=454.2nm FWHM=20.1nm

Render Index:Ra=90.9 TM30:Rf=89 Rg=95

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| R1 =91 | R2 =96 | R3 =97 | R4 =87 | R5 =89 | R6 =93 | R7 =91 |        |
| R8 =83 | R9 =57 | R10=91 | R11=88 | R12=64 | R13=93 | R14=99 | R15=87 |

#### Photo Parameters:

Flux = 409.0 lm Eff. : 111.43 lm/W Fe = 1.451 W

#### Electrical parameters:

V = 24.598 V I = 0.1492 A P = 3.670 W PF = 1.000

LEVEL:OUT WHITE:ANSI\_6500K

Status: Integral T = 100 ms Ip = 724 (1%)Model:160D 2835

Tester:  
 Tester:  
 Temperature:Deg  
 Manufacturer:

Number:6500K  
 Date:2022-04-14 09:15:47  
 Humidity:%  
 Remarks:0.5M