



ErP LED STRIP SPECIFICATION

24V 9.6W CRI80 2835 160LED/M IP20/65 D/E

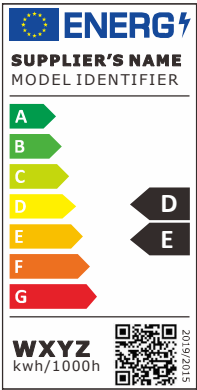
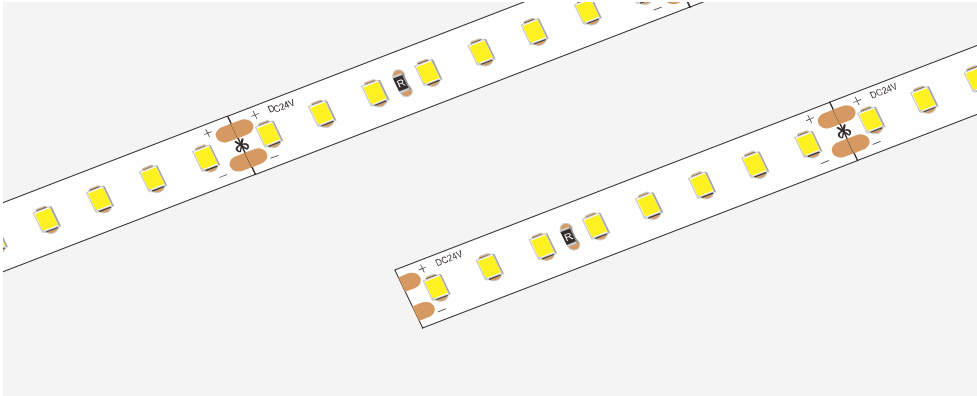


Note: LEDYI may change product specifications and installation guidance without prior notice.

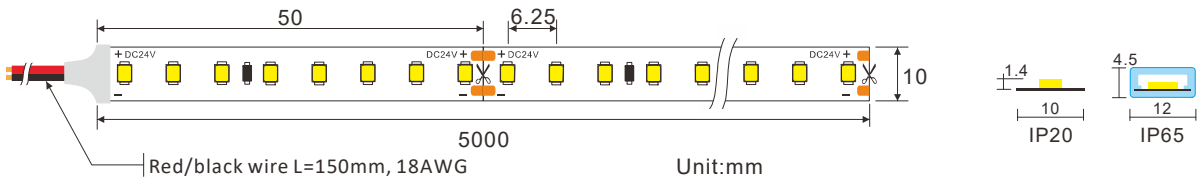
24V 9.6W CRI80 2835 160LED/M IP20/65 D/E



Part Number: LY160-S2835W27-W24-9.6W-Ra80-IP20-IP65



Dimensions & Waterproof



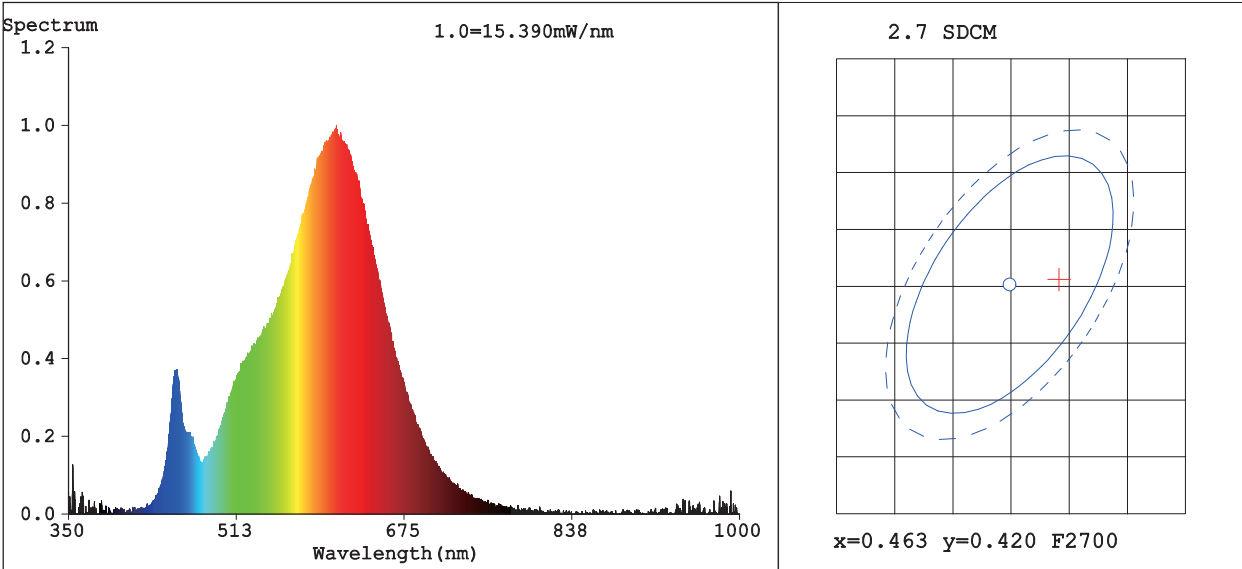
Product Specification

Max.Length	5000mm	Voltage(V)	DC24V
Chip Type	2835SMD	Power(W/m)	9.6W
Chip Density	160LEDs/m	Power(W/0.5m)	4.8W
Step Length	50mm/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	80	652.80	1305.60	136	E	20/65
3000K	80	657.60	1315.20	137	E	20/65
4000K	80	710.40	1420.80	148	D	20/65
6500K	80	686.40	1372.80	143	E	20/65

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.4673$ $y=0.4205$ / $u'=0.2628$ $v'=0.5322$
CCT=2675K(Duv=0.0030) Dominant WL:Ld =583.4nm WL:Lc = --nm Purity=66.5%
Ratio:R=25.3% G=72.7% B=2.0% Peak WL:Lp=609.7nm FWHM=114.9nm
Render Index:Ra=82.8

R1 =81	R2 =91	R3 =97	R4 =81	R5 =81	R6 =90	R7 =83	
R8 =58	R9 =8	R10=80	R11=80	R12=70	R13=83	R14=99	R15=73

Photo Parameters:

Flux = 681.7 lm Eff. : 136.24 lm/W Fe = 2.086 W

Electrical parameters:

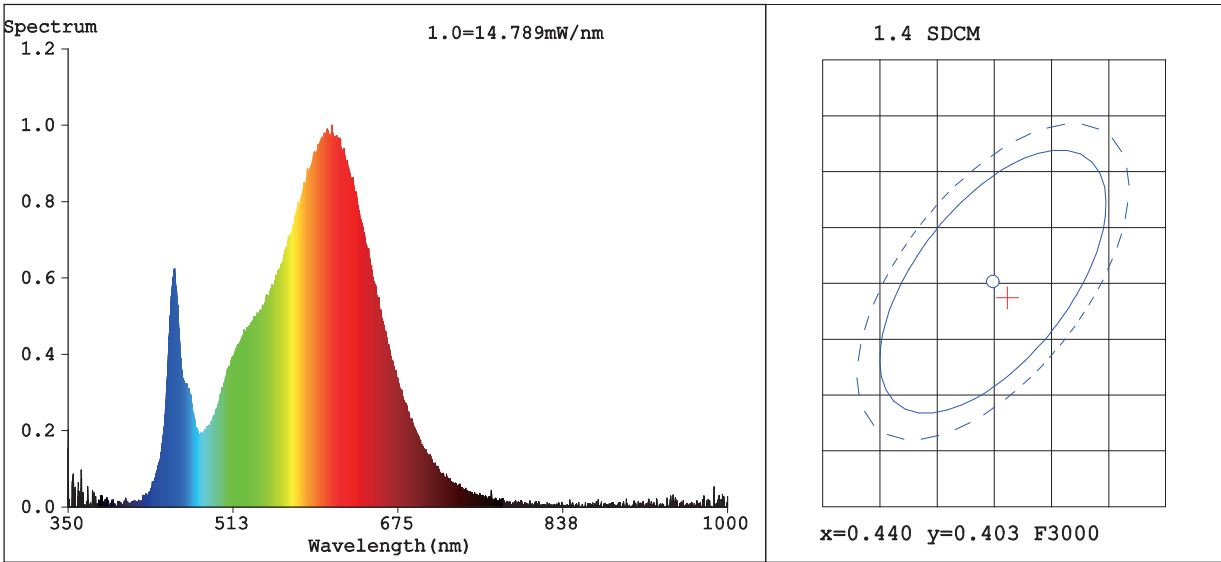
V = 23.998 V I = 0.2085 A P = 5.004 W PF = 1.000
LEVEL:OUT WHITE:ANSI_2700K

Status: Integral T = 100 ms Ip = 1018 (2%)

Model:202-00488-00
Tester:
Temperature:Deg
Manufacturer:

Number:160D-2700K-20mA-IP20
Date:2022-03-17 17:23:17
Humidity:%
Remarks:

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.4413$ $y=0.4015$ $u'=0.2545$ $v'=0.5210$
CCT=2908K(Duv=-0.0016) Dominant WL:Ld =583.8nm WL:Lc = --nm Purity=53.0%
Ratio:R=24.1% G=73.3% B=2.6% Peak WL:Lp=610.0nm FWHM=122.7nm
Render Index:Ra=84.8

R1 =84	R2 =94	R3 =96	R4 =83	R5 =85	R6 =93	R7 =83	
R8 =62	R9 =18	R10=85	R11=83	R12=73	R13=87	R14=99	R15=77

Photo Parameters:

Flux = 687.7 lm Eff. : 137.11 lm/W Fe = 2.151 W

Electrical parameters:

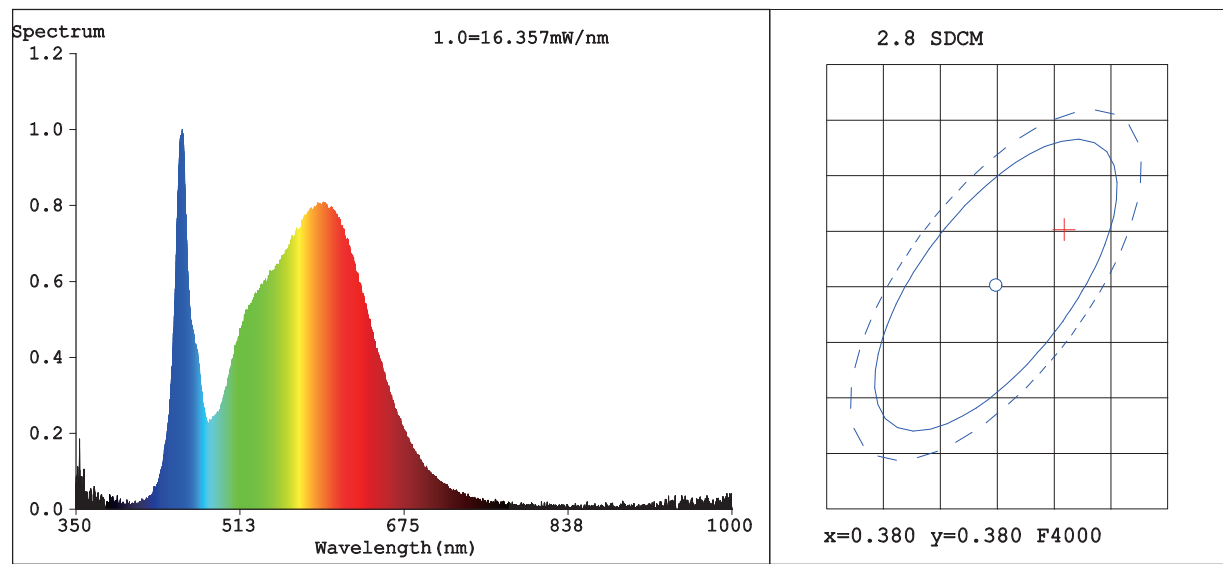
V = 23.998 V I = 0.2090 A P = 5.016 W PF = 1.000
LEVEL:OUT WHITE:ANSI_3000K

Status: Integral T = 100 ms Ip = 989 (2%)

Model:202-00489-00
Tester:
Temperature:Deg
Manufacturer:

Number:160D-3000K-20mA-IP20
Date:2022-03-17 17:24:22
Humidity:Manufacturer:
Remarks:

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3860$ $y=0.3850$ $u'=0.2255$ $v'=0.5060$
CCT=3914K(Duv=0.0022) Dominant WL:Ld =578.3nm WL:Lc = --nm Purity=31.4%
Ratio:R=18.4% G=78.1% B=3.5% Peak WL:Lp=455.1nm FWHM=16.7nm
Render Index:Ra=81.9

R1 =80	R2 =89	R3 =95	R4 =79	R5 =79	R6 =85	R7 =85	
R8 =62	R9 =4	R10=74	R11=77	R12=56	R13=83	R14=98	R15=74

Photo Parameters:

Flux = 751.9 lm Eff. : 148.36 lm/W Fe = 2.283 W

Electrical parameters:

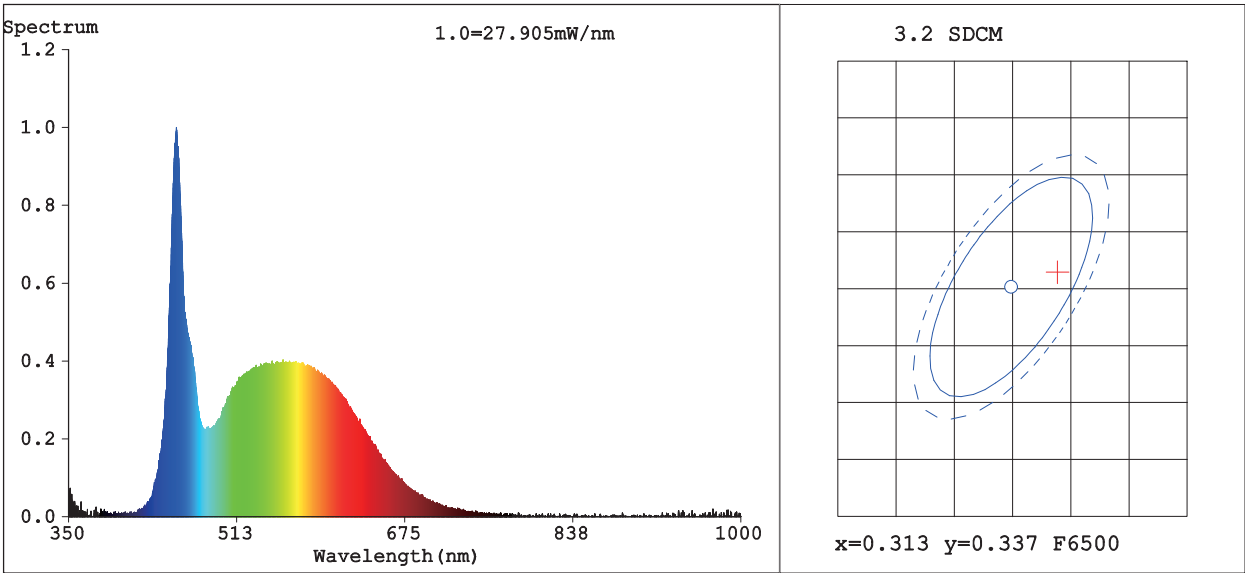
V = 23.998 V I = 0.2112 A P = 5.068 W PF = 1.000
LEVEL:OUT WHITE:ANSI_4000K

Status: Integral T = 100 ms Ip = 926 (1%)

Model : 202-00490-00
Tester:
Temperature:Deg
Manufacturer:

Number:160D-4000K-20mA-IP20
Date:2022-03-17 17:25:16
Humidity:%
Remarks:

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3170$ $y=0.3383$ $u'=0.1973$ $v'=0.4739$
CCT=6226K(Duv=0.0058) Dominant WL:Ld =495.6nm WL:Lc = --nm Purity=5.2%
Ratio:R=13.8% G=80.3% B=5.9% Peak WL:Lp=454.1nm FWHM=16.6nm
Render Index:Ra=84.2

R1 =82	R2 =91	R3 =94	R4 =81	R5 =82	R6 =86	R7 =88	
R8 =70	R9 =12	R10=77	R11=80	R12=55	R13=85	R14=97	R15=78

Photo Parameters:

Flux = 722.9 lm Eff. : 143.93 lm/W Fe = 2.322 W

Electrical parameters:

V = 23.998 V I = 0.2093 A P = 5.023 W PF = 1.000
LEVEL:OUT WHITE:ANSI_6500K

Status: Integral T = 100 ms Ip = 1369 (2%)

Model : 202-00491-00
Tester:
Temperature:Deg
Manufacturer:

Number:160D-6500K-20mA-IP20
Date:2022-03-17 17:26:02
Humidity:%
Remarks: