



ErP LED STRIP SPECIFICATION

24V 14.4W CRI80 2835 160LED/M IP20/65 D/E



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

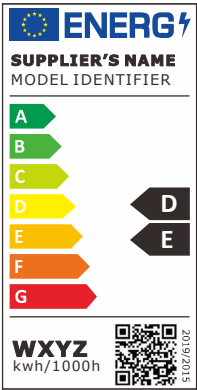
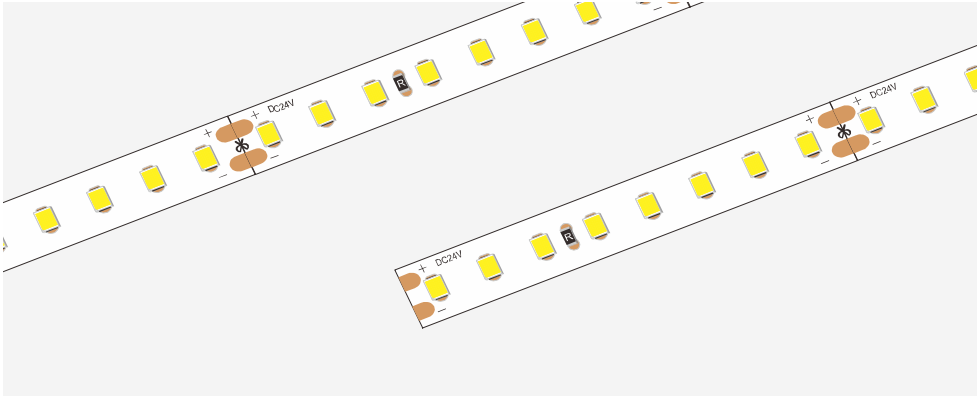
24V 14.4W CRI80 2835 160LED/M IP20/65 D/E



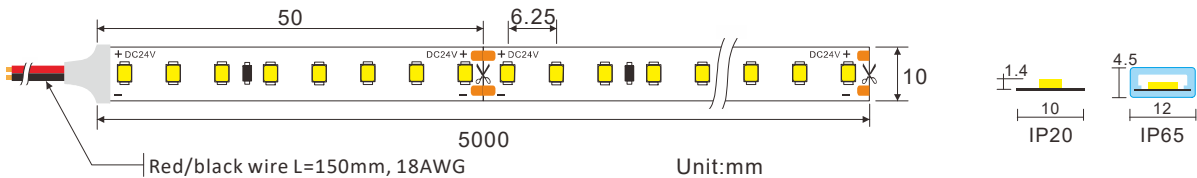
Part Number: LY160-S2835W27-W24-14.4W-Ra80-IP20-ErP

W27/W30/W40/W65

IP20/IP65



Dimensions & Waterproof



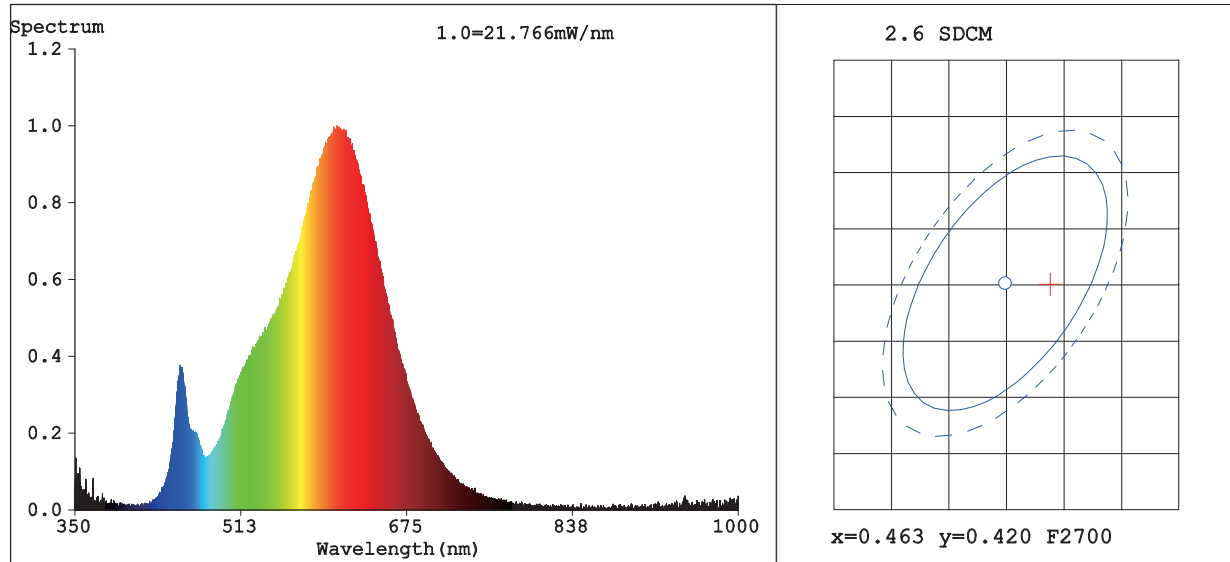
Product Specification

Max.Length	5000mm	Voltage(V)	DC24V
Chip Type	2835SMD	Power(W/m)	14.4W
Chip Density	160LEDs/m	Power(W/0.5m)	7.2W
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	993.60	1987.20	138	E	20/65
3000K	80	993.60	1987.20	138	E	20/65
4000K	80	1072.80	2145.60	149	D	20/65
6500K	80	1051.20	2102.40	146	E	20/65

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.4669$ $y=0.4199$ $u'=0.2629$ $v'=0.5319$

CCT=2675K(Duv=0.0028) Dominant WL:Ld =583.5nm WL:Lc = --nm Purity=66.2%

Ratio:R=25.2% G=72.8% B=2.0% Peak WL:Lp=607.1nm FWHM=116.9nm

Render Index:Ra=82.7

R1 =81	R2 =91	R3 =97	R4 =81	R5 =81	R6 =90	R7 =83	
R1 =58	R9 =8	R10=79	R11=80	R12=70	R13=83	R14=99	R15=72

Photo Parameters:

Flux = 981.5 lm Eff. : 138.32 lm/W Fe = 3.045 W

Electrical parameters:

V = 23.998 V I = 0.2957 A P = 7.096 W PF = 1.000

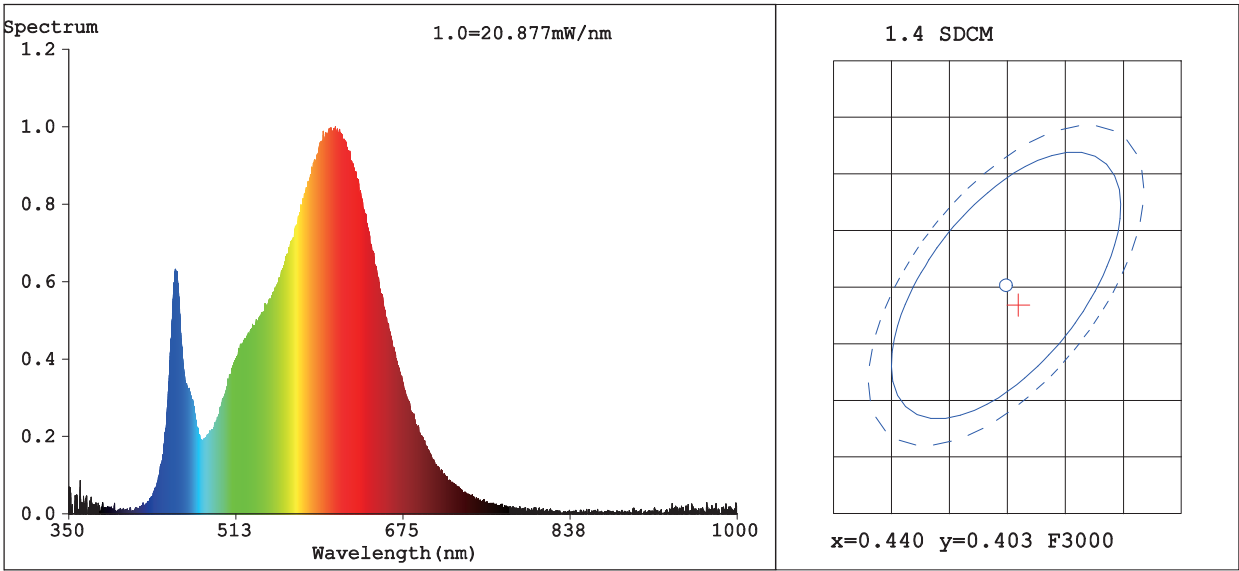
LEVEL:OUT WHITE:ANSI_2700K

Status: Integral T = 100 ms Ip = 1477 (2%)

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

Number: 160D-2700K-30mA-IP20
Date: 2022-03-18 18:49:07
Humidity: %anufacturer:
Remarks: 0.5M

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate:x=0.4411 y=0.4013/u'=0.2545 v'=0.5209
CCT=2909K(Duv=-0.0017) Dominant WL:Ld =583.8nm WL:Lc = --nm Purity=52.8%
Ratio:R=24.1% G=73.3% B=2.6% Peak WL:Lp=609.3nm FWHM=125.4nm
Render Index:Ra=84.8

R1 =84	R2 =94	R3 =96	R4 =83	R5 =85	R6 =92	R7 =83	
R1 =62	R9 =18	R10=85	R11=83	R12=74	R13=87	R14=99	R15=77

Photo Parameters:

Flux = 986.7 lm Eff. : 138.40 lm/W Fe = 3.097 W

Electrical parameters:

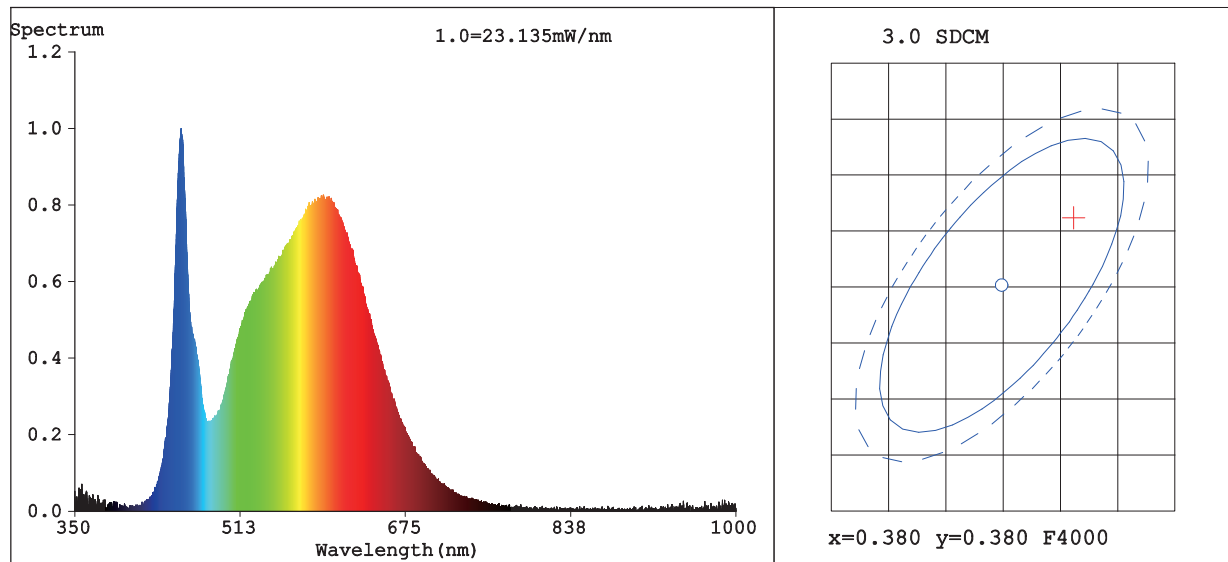
V = 23.998 V I = 0.2971 A P = 7.130 W PF = 1.000
LEVEL:OUT WHITE:ANSI_3000K

Status: Integral T = 100 ms Ip = 1425 (2%)

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

Number: 160D-3000K-30mA-IP20
Date: 2022-03-18 18:49:54
Humidity: %
Remarks: 0.5M

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3863$ $y=0.3861$ $u'=0.2252$ $v'=0.5065$

CCT=3915K(Duv=0.0026) Dominant WL:Ld =578.1nm WL:Lc = --nm Purity=31.8%

Ratio:R=18.3% G=78.2% B=3.5%

Peak WL:Lp=454.5nm FWHM=17.0nm

Render Index:Ra=81.6

R1 =80	R2 =89	R3 =95	R4 =79	R5 =79	R6 =84	R7 =85
R1 =62	R9 =3	R10=73	R11=77	R12=55	R13=82	R14=98
						R15=73

Photo Parameters:

Flux = 1080 lm Eff. : 149.82 lm/W Fe = 3.247 W

Electrical parameters:

V = 23.998 V I = 0.3005 A P = 7.211 W PF = 1.000

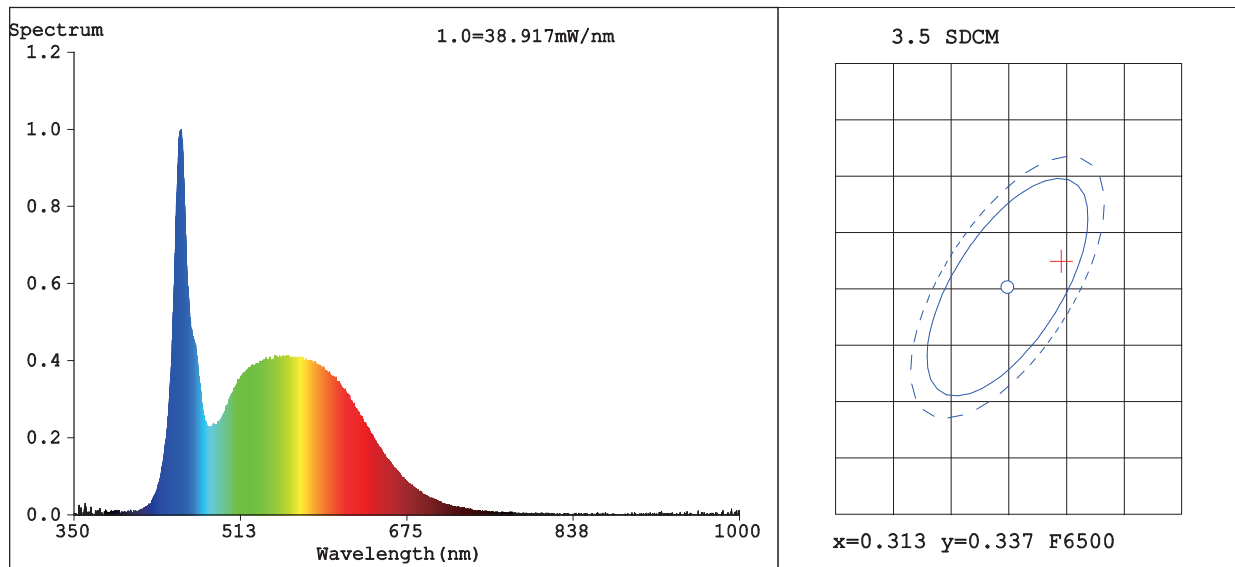
LEVEL:OUT WHITE:ANSI_4000K

Status: Integral T = 100 ms Ip = 1333 (2%)

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

Number:160D-4000K-30mA-IP20
 Date:2022-03-18 19:06:14
 Humidity:%
 Remarks:0.5M

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3177$ $y=0.3393$ $u'=0.1974$ $v'=0.4745$

CCT=6189K(Duv=0.0060) Dominant WL:Ld =496.6nm WL:Lc = --nm Purity=5.0%

Ratio:R=13.8% G=80.4% B=5.8% Peak WL:Lp=454.8nm FWHM=16.9nm

Render Index:Ra=84.0

R1 =82	R2 =91	R3 =94	R4 =81	R5 =82	R6 =85	R7 =88
R8 =69	R9 =11	R10=76	R11=80	R12=55	R13=85	R14=97 R15=77

Photo Parameters:

Flux = 1042 lm Eff. : 146.12 lm/W Fe = 3.328 W

Electrical parameters:

V = 23.998 V I = 0.2972 A P = 7.132 W PF = 1.000

LEVEL:OUT WHITE:ANSI_6500K

Status: Integral T = 100 ms Ip = 1931 (3%)

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

Number:160D-6500K-30mA-IP20
Date:2022-03-18 19:50:23
Humidity:%
Remarks: