



ErP LED STRIP SPECIFICATION

12V 10W CRI90 COB 480Chip/m IP20/65 F/G

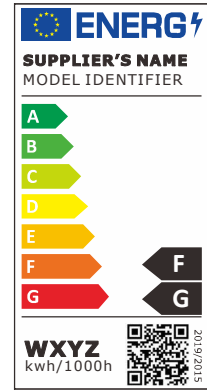
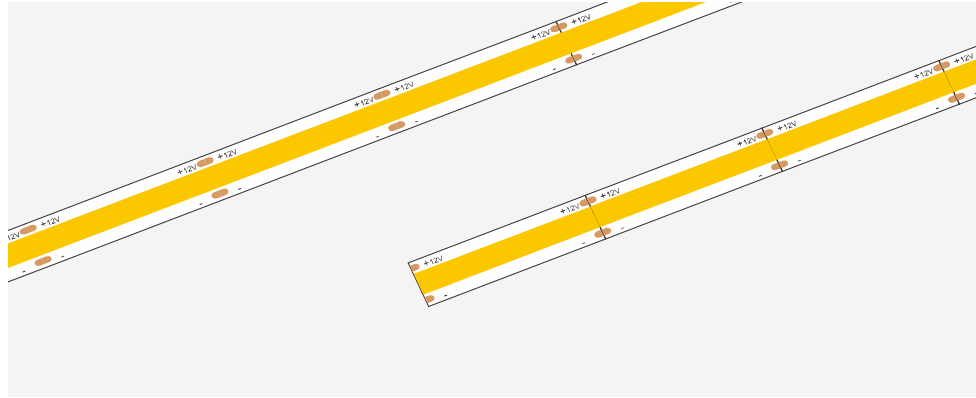


Note: LEDYI may change product specifications and installation guidance without prior notice.

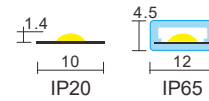
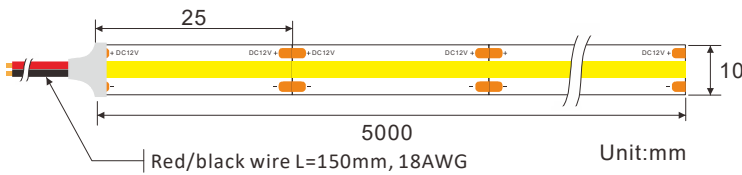
12V 10W CRI90 COB 480Chip/M IP20/65 F/G



Part Number: LY480-COBW27-W12-10W-Ra90-IP20-ErP
 W27/W30/W40/W65 IP20/IP65



Dimensions & Waterproof



Product Specification

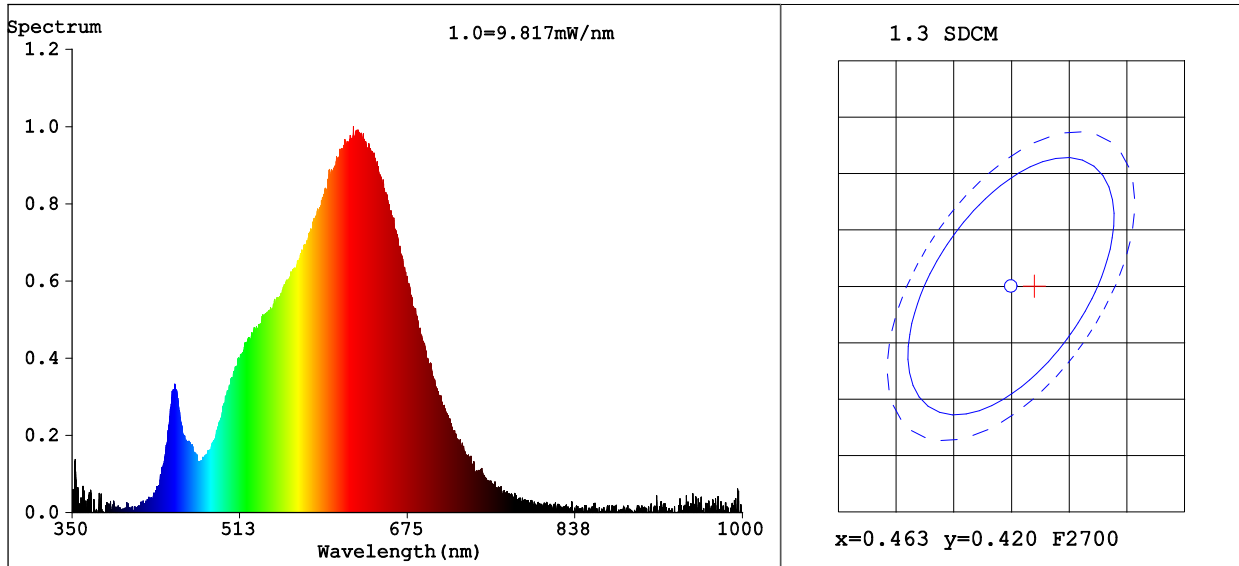
Max.Length	5000mm
Chip Type	COB
Chip Density	480pcs
Step Length	25mm
MacAdam Ellipse	<6
Survival Factor LED	0.9

Voltage(V)	DC12V
Power(W/m)	10W
Power(W/0.5m)	5W
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	445.00	890.00	89	G	20/65
3000K	90	475.00	950.00	95	F	20/65
4000K	90	500.00	1000.00	100	F	20/65
6500K	90	510.00	1020.00	102	F	20/65

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: x=0.4650 y=0.4200/u'=0.2616 v'=0.5316

CCT=2701K(Duv=0.0030) Dominant WL:Ld =583.3nm Purity=65.7%

Ratio:R=26.2% G=71.6% B=2.1% Peak WL:Lp=622.9nm FWHM=149.1nm

Render Index:Ra=92.9

R1 =93	R2 =95	R3 =97	R4 =95	R5 =92	R6 =95	R7 =94	
R8 =83	R9 =60	R10=88	R11=96	R12=82	R13=93	R14=97	R15=88

Photo Parameters:

Flux = 438.9 lm Eff. : 89.27 lm/W Fe = 1.573 W

Electrical parameters:

V = 11.998 V I = 0.4098 A P = 4.917 W PF = 1.000

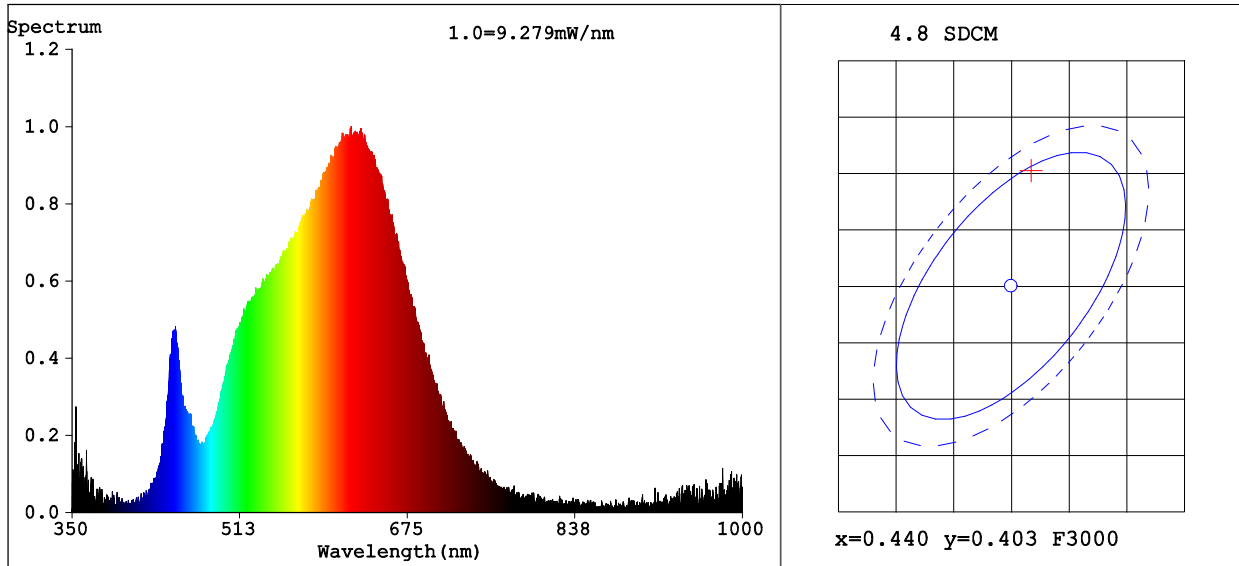
LEVEL:OUT WHITE:ANSI_2700K

Status: Integral T = 100 ms Ip = 635 (1%)

Model:
Tester:
Temperature:Deg
Manufacturer:

Number:COB 480LED 12V 2700K
Date:2021-08-17 18:16:55
Humidity:%
Remarks:0.5M

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.4417$ $y=0.4132$ $u'=0.2497$ $v'=0.5256$

CCT=2994K(Duv=0.0029) Dominant WL:Ld =581.9nm Purity=56.6%

Ratio:R=24.1% G=73.4% B=2.5% Peak WL:Lp=620.6nm FWHM=169.7nm

Render Index:Ra=92.4

R1 =92	R2 =94	R3 =95	R4 =94	R5 =92	R6 =93	R7 =94	
R8 =84	R9 =60	R10=86	R11=95	R12=79	R13=92	R14=97	R15=88

Photo Parameters:

Flux = 461.2 lm Eff. : 95.12 lm/W Fe = 1.663 W

Electrical parameters:

V = 11.998 V I = 0.4041 A P = 4.848 W PF = 1.000

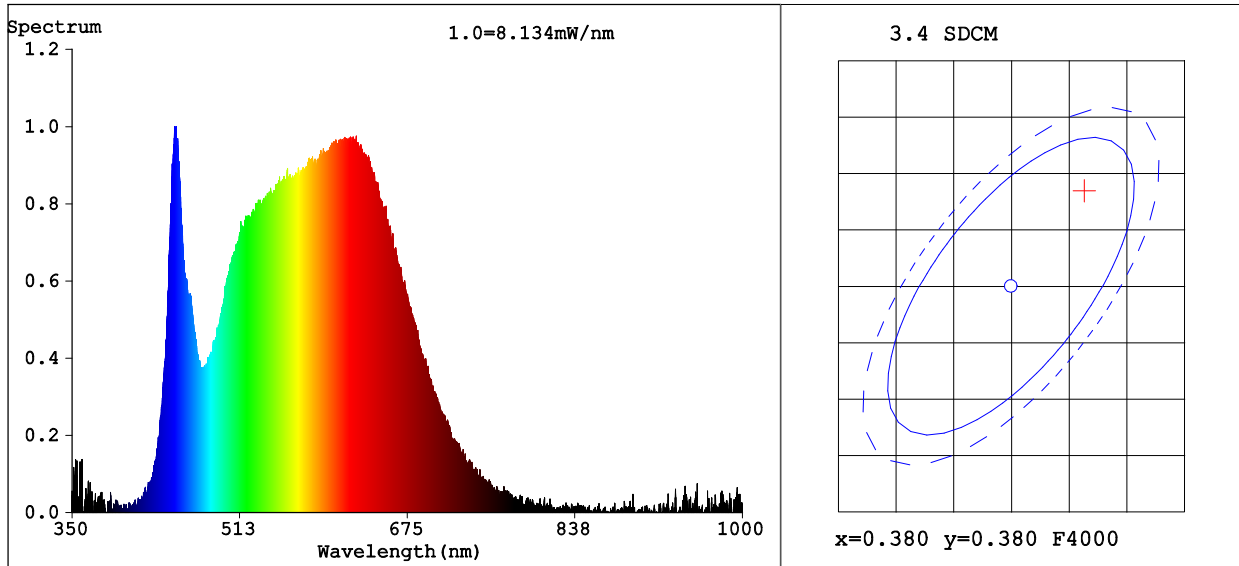
LEVEL:OUT WHITE:ANSI_3000K

Status: Integral T = 100 ms Ip = 617 (1%)

Model:
Tester:
Temperature:Deg
Manufacturer:

Number:COB 480LED 12V 3000K
Date:2021-08-17 18:18:26
Humidity:%
Remarks:0.5M

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3863$ $y=0.3884$ / $u'=0.2243$ $v'=0.5075$

CCT=3931K(Duv=0.0037) Dominant WL:Ld =577.6nm Purity=32.5%

Ratio:R=19.6% G=76.4% B=3.9% Peak WL:Lp=450.9nm FWHM=25.2nm

Render Index:Ra=92.7

R1 =92	R2 =94	R3 =96	R4 =93	R5 =91	R6 =92	R7 =96	
R8 =87	R9 =64	R10=86	R11=93	R12=72	R13=93	R14=97	R15=89

Photo Parameters:

Flux = 488.2 lm Eff. : 100.03 lm/W Fe = 1.673 W

Electrical parameters:

V = 11.998 V I = 0.4068 A P = 4.881 W PF = 1.000

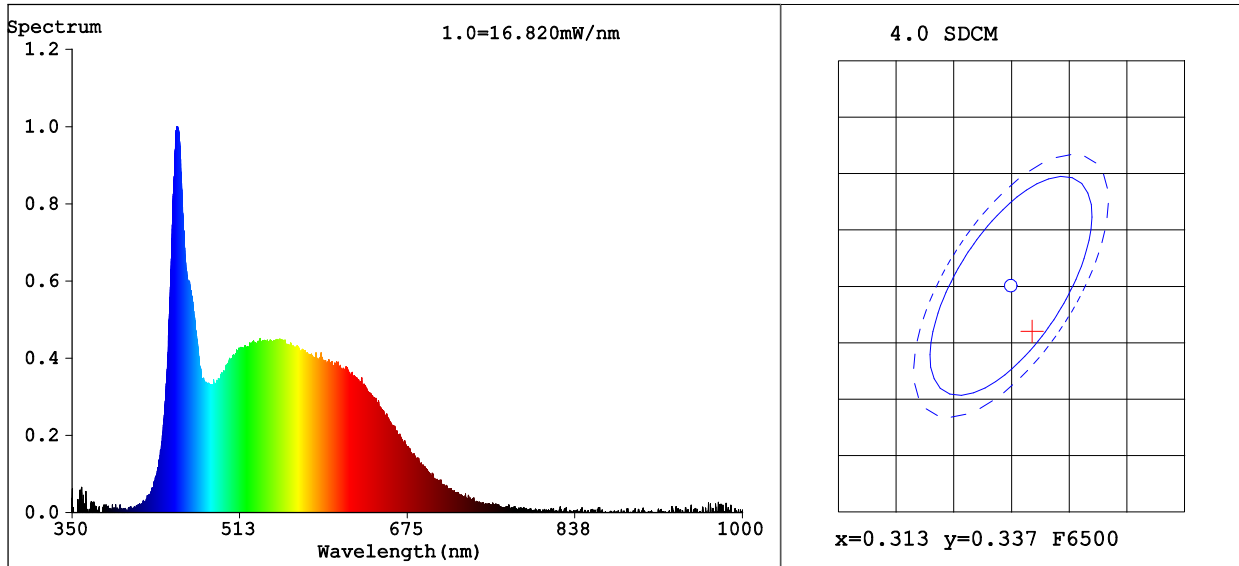
LEVEL:OUT WHITE:ANSI_4000K

Status: Integral T = 100 ms Ip = 545 (1%)

Model:
Tester:
Temperature:Deg
Manufacturer:

Number:COB 480LED 12V 4000K
Date:2021-08-17 18:19:20
Humidity:%
Remarks:0.5M

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3148$ $y=0.3330$ $u'=0.1978$ $v'=0.4707$

CCT=6365K(Duv=0.0042) Dominant WL:Ld =491.5nm Purity=6.3%

Ratio:R=14.8% G=78.5% B=6.6% Peak WL:Lp=451.7nm FWHM=24.7nm

Render Index:Ra=92.0

R1 =92	R2 =96	R3 =97	R4 =90	R5 =91	R6 =92	R7 =93	
R8 =85	R9 =61	R10=90	R11=90	R12=66	R13=94	R14=99	R15=90

Photo Parameters:

Flux = 500.6 lm Eff. : 102.92 lm/W Fe = 1.750 W

Electrical parameters:

V = 11.998 V I = 0.4054 A P = 4.864 W PF = 1.000

LEVEL:OUT WHITE:ANSI_6500K

Status: Integral T = 100 ms Ip = 852 (1%)

Model:
Tester:
Temperature:Deg
Manufacturer:

Number:COB 480LED 12V 6500K
Date:2021-08-17 18:20:40
Humidity:%
Remarks:0.5M