



COB10-12V LED Strip

Product Details

Code	COB10-12V
Warranty	5 Years
RoHS Compliance	IEC 62321:2013
CE Certification	EN 55015:2013/A1:2015 EN 61000-3-2:2014 EN 61000-3-3:2013 EN 61547:2009

Physical Data

PCB Colour	White
PCB Width	10mm
Thickness Including LED	2mm
Cut Points	25mm

Electrical Data

Voltage	12V
Power Consumption	10W/m
Dimmable	Yes (PWM)

Light Data

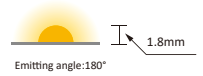
Colour Temperature	3000K	4000K	5000K	6000K
Lumens per Metre	960	1024	1002	1031
LEDs per Metre	480			
Beam Angle	180°			
Colour Rendering Index(CRI)	>90			
LED Type	COB			
LED Manufacturer	SANAN			

Environment

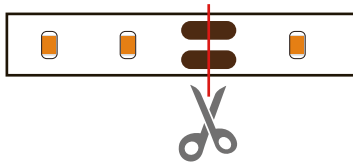
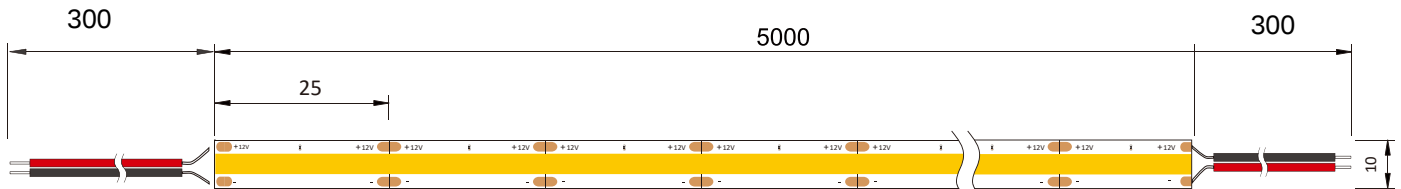
Operating Temperature	-30 ~ 60°C
Ingress Protection (IP) Rating	65

COB10-12V LED Strip

COB 480LEDs/m



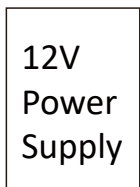
Unit:mm



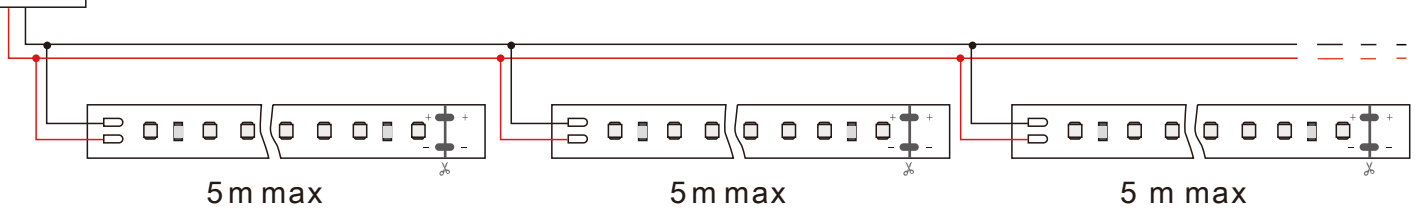
Cut in the
centre of the
copper or
soldered points



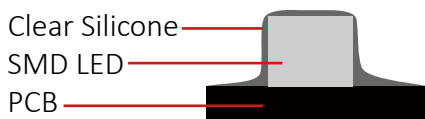
Peel off paper backing to
reveal 3m self adhesive



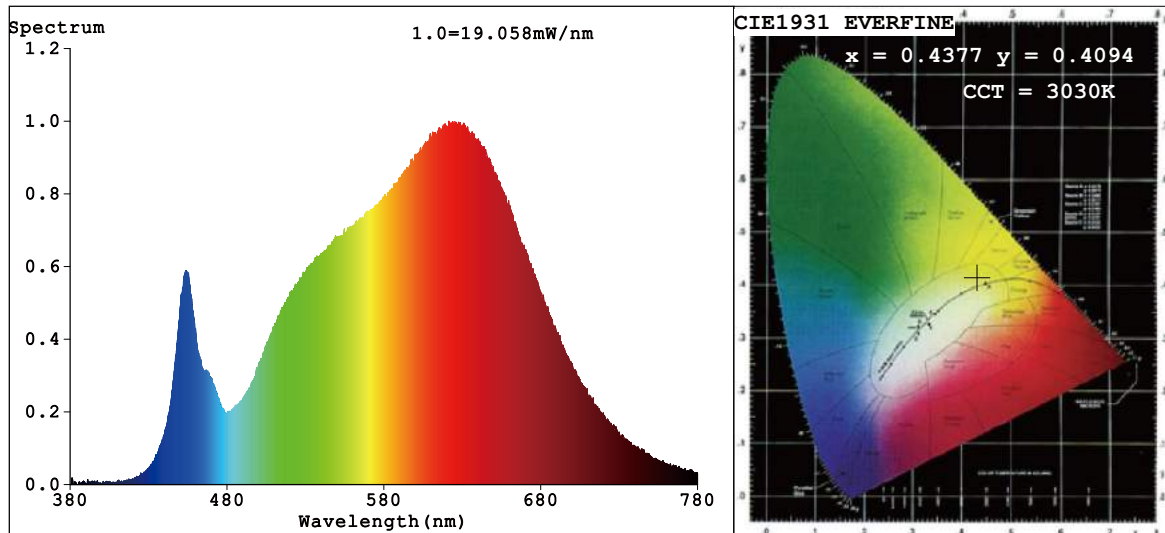
Connect up to 5m of LED Strip in series,
additional strips must be connected in parallel



IP65 Silicone Spray Coating



Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.4377$ $y=0.4094$ $u'=0.2488$ $v'=0.5236$
 CCT=3030K(Duv=0.0020) Dominant WL:Ld =582.0nm Purity=54.3%
 Ratio:R=23.9% G=73.6% B=2.6% Peak WL:Lp=621.5nm FWHM=165.8nm
 Render Index:Ra=91.9 AvgR=88.3 TM30:Rf=90 Rg=99
 R1 =92 R2 =94 R3 =94 R4 =92 R5 =91 R6 =92 R7 =95
 R8 =85 R9 =63 R10=85 R11=92 R12=72 R13=93 R14=96 R15=89

Photo Parameters:

Flux = 960.2 lm Eff. : 102.98 lm/W Fe = 3.293 W

Electrical parameters:

V = 11.998 V I = 0.7771 A P = 9.324 W PF = 1.000

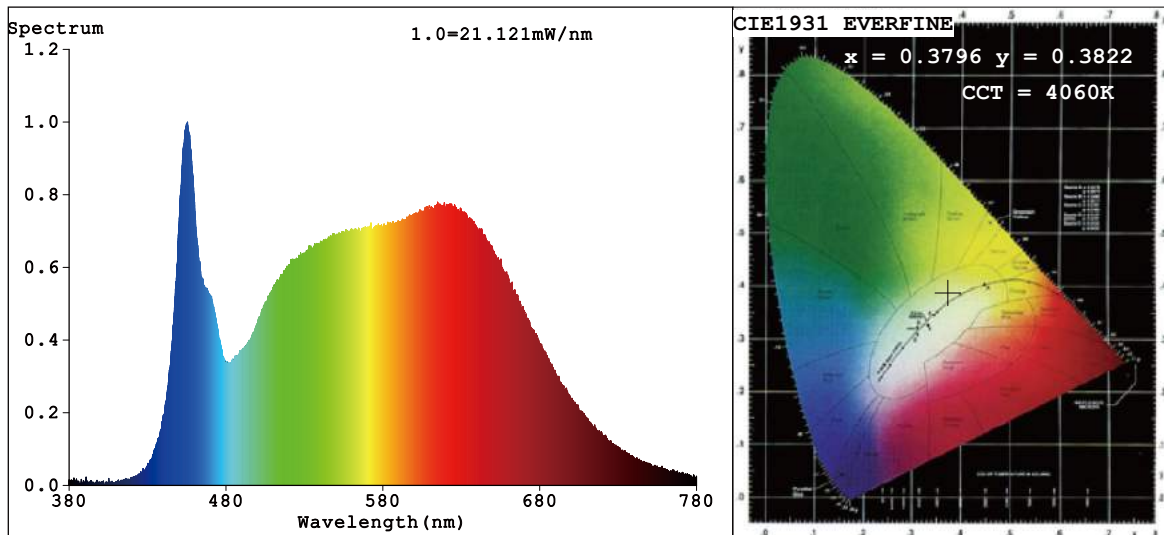
LEVEL:OUT WHITE:ANSI_3000K

Status: Integral T = 100 ms Ip = 1714 (3%)

Model:COB 480D 10MM
 Tester:
 Temperature:Deg
 Manufacturer:

Number:10W 10MM 3000K
 Date:
 Humidity:%
 Remarks:1M

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3796$ $y=0.3822$ $u'=0.2224$ $v'=0.5038$
 $CCT=4060K$ ($Duv=0.0028$) Dominant WL: $Ld = 577.4nm$ Purity=28.6%
 Ratio: R=19.4% G=76.2% B=4.3% Peak WL: $Lp=455.5nm$ FWHM=24.5nm
 Render Index: $Ra=93.1$ AvgR=89.7 TM30: $Rf=89$ $Rg=97$
 $R1 = 94$ $R2 = 96$ $R3 = 97$ $R4 = 91$ $R5 = 91$ $R6 = 93$ $R7 = 94$
 $R8 = 88$ $R9 = 70$ $R10 = 90$ $R11 = 91$ $R12 = 66$ $R13 = 95$ $R14 = 98$ $R15 = 91$

Photo Parameters:

Flux = 1024 lm Eff. : 112.29 lm/W Fe = 3.477 W

Electrical parameters:

V = 11.998 V I = 0.7603 A P = 9.122 W PF = 1.000

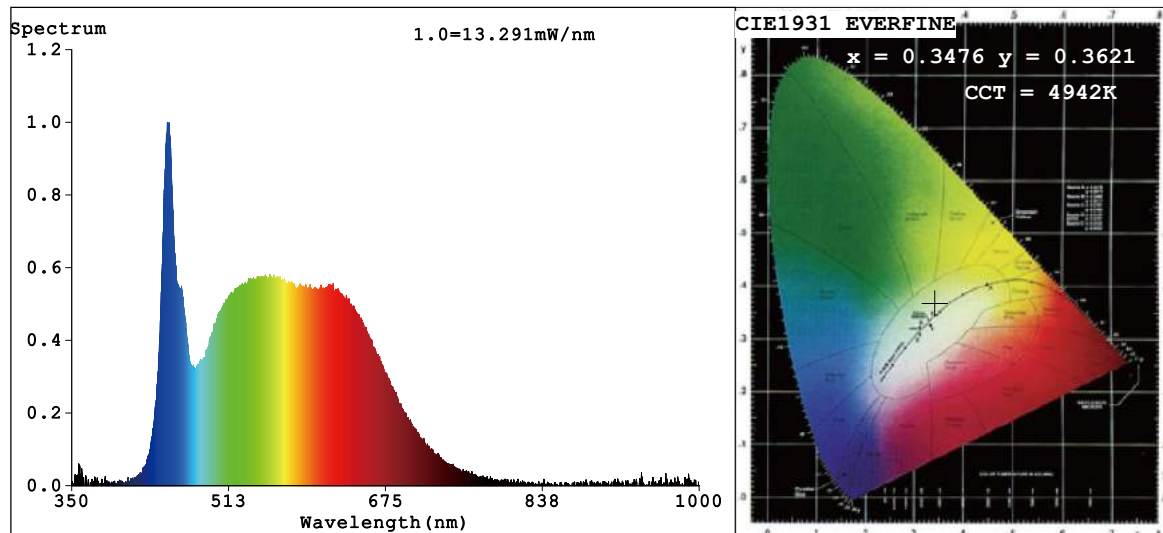
LEVEL:OUT WHITE:ANSI_4000K

Status: Integral T = 100 ms Ip = 1616 (2%)

Model: COB 480D 10MM
 Tester:
 Temperature: Deg
 Manufacturer:

Number: 10W 10MM 4000K
 Date:
 Humidity: %
 Remarks: 1M

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3476$ $y=0.3621$ $u'=0.2091$ $v'=0.4901$
 CCT=4942K (Duv=0.0042) Dominant WL:Ld =569.9nm WL:Lc = --nm Purity=13.0%
 Ratio:R=17.0% G=77.8% B=5.2% Peak WL:Lp=449.4nm FWHM=23.2nm
 Render Index:Ra=92.6

R1 =92	R2 =95	R3 =96	R4 =92	R5 =91	R6 =91	R7 =96
R8 =89	R9 =69	R10=87	R11=92	R12=66	R13=93	R14=98 R15=90

Photo Parameters:

Flux = 1002.0 lm Eff. : 104.28 lm/W Fe = 1.798 W

Electrical parameters:

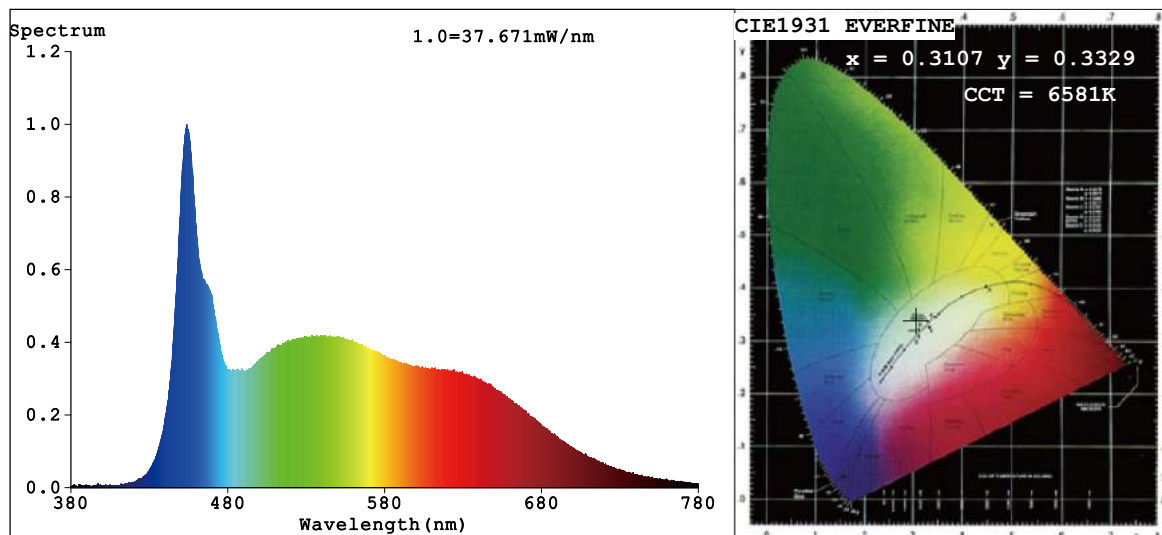
V = 11.998 V I = 0.8008 A P = 9.608 W PF = 1.000
 LEVEL:OUT WHITE:ANSI_5000K

Status: Integral T = 100 ms Ip = 868 (1%)

Model:COB 480D 10MM
 Tester:
 Temperature:Deg
 Manufacturer:

Number:10W 10MM 5000K
 Date:
 Humidity:%
 Remarks:

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3107$ $y=0.3329$ $u'=0.1950$ $v'=0.4701$
 CCT=6581K (Duv=0.0062) Dominant WL:Ld =491.5nm Purity=7.7%
 Ratio:R=14.7% G=78.3% B=7.0% Peak WL:Lp=453.8nm FWHM=24.1nm
 Render Index:Ra=92.7 AvgR=89.8 TM30:Rf=88 Rg=96
 R1 =93 R2 =98 R3 =97 R4 =88 R5 =91 R6 =93 R7 =92
 R8 =89 R9 =76 R10=93 R11=89 R12=63 R13=95 R14=99 R15=91

Photo Parameters:

Flux = 1031 lm Eff. : 112.99 lm/W Fe = 3.693 W

Electrical parameters:

V = 11.998 V I = 0.7607 A P = 9.127 W PF = 1.000

LEVEL:OUT WHITE:ANSI_6500K

Status: Integral T = 100 ms Ip = 2835 (4%)

Model:COB 480D 10MM
 Tester:
 Temperature:Deg
 Manufacturer:

Number:10W 10MM 6500K
 Date:
 Humidity:%
 Remarks:1M