



COB16-24V-RGB6000K LED Strip

Product Details

Code	COB16-24V-RGB6000K
Warranty	3 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	12mm
Thickness Including LED	2mm
Cut Points	33.33mm

Electrical Data

Voltage	24V
Power Consumption	16W/m
Dimmable	Yes (PWM)

Light Data

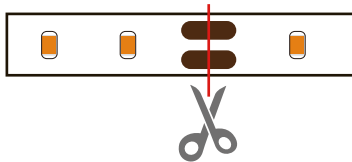
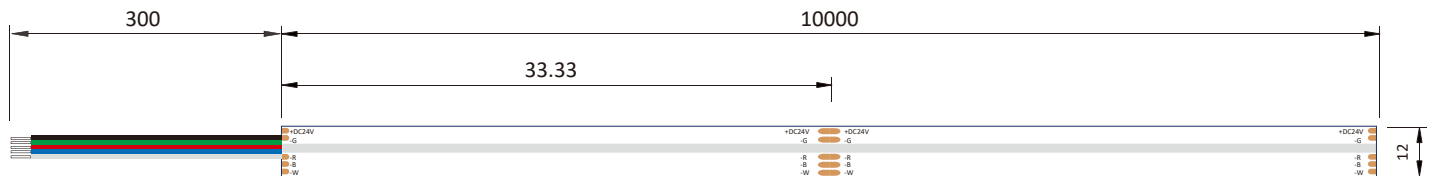
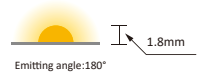
Colour Temperature	6000K	R	G	B
Lumens per Metre	365	157	342	56
LEDs per Metre	840			
Beam Angle	180°			
Colour Rendering Index(CRI)	>90			
LED Type	COB			
LED Manufacturer	SANAN			

Environment

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

COB16-24V-RGB6000K LED Strip

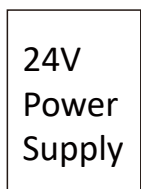
COB 840 LEDs/m



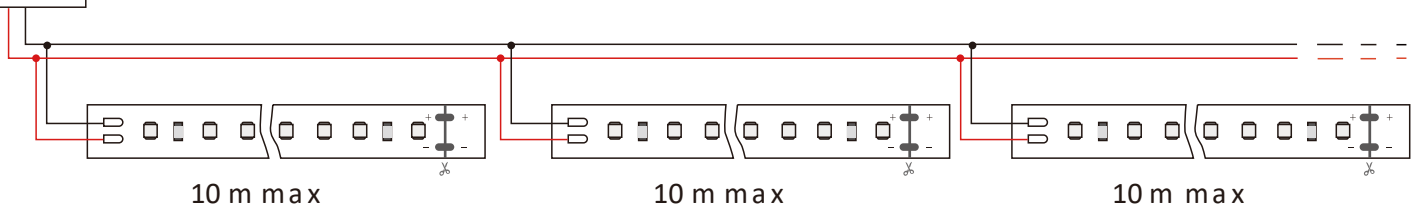
Cut in the
centre of the
copper or
soldered points



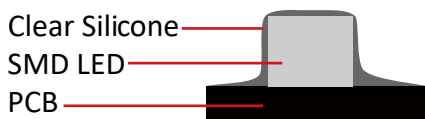
Peel off paper backing to
reveal 3m self adhesive



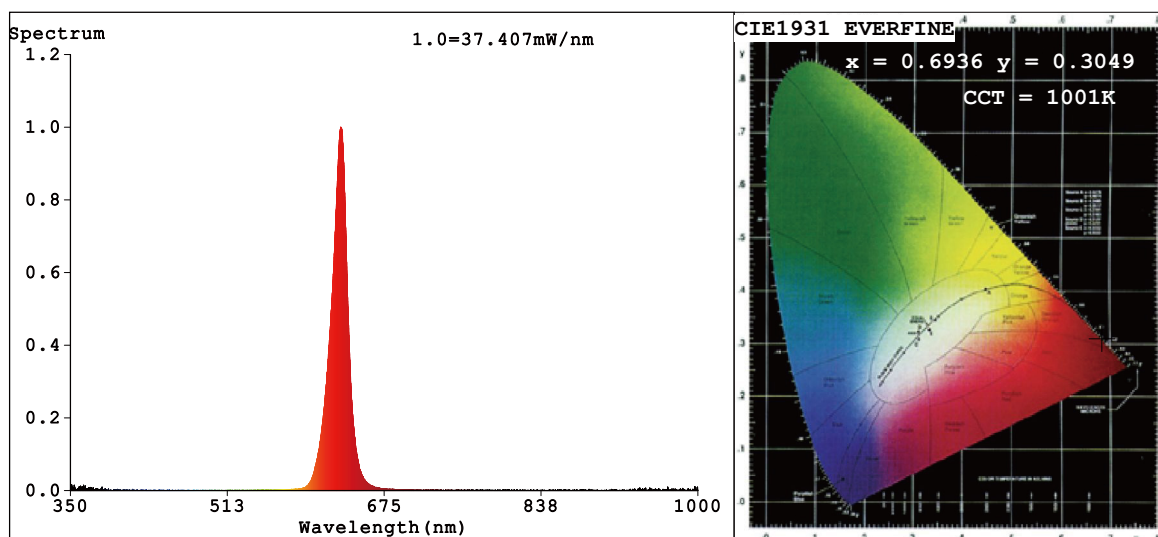
Connect up to 10m of LED Strip in series,
additional strips must be connected in parallel



IP65 Silicone Spray Coating



Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.6936$ $y=0.3049$ / $u'=0.5263$ $v'=0.5206$
 CCT=1001K (Duv=-0.0787) Dominant WL:Ld =621.8nm WL:Lc = --nm Purity=99.6%
 Ratio:R=97.09% G=2.88% B=0.03% Peak WL:Lp=630.0nm FWHM=17.0nm
 Render Index:Ra=28.1

R1 =10 R2 =80 R3 =32 R4 =0 R5 =6 R6 =92 R7 =4
 R8 =0 R9 =0 R10=74 R11=0 R12=78 R13=34 R14=61 R15=0

Photo Parameters:

Flux = 157.2 lm Eff. : 24.42 lm/W Fe = 786.2 mW
 Scotopic:9.6918 S/P:0.061633

Electrical parameters:

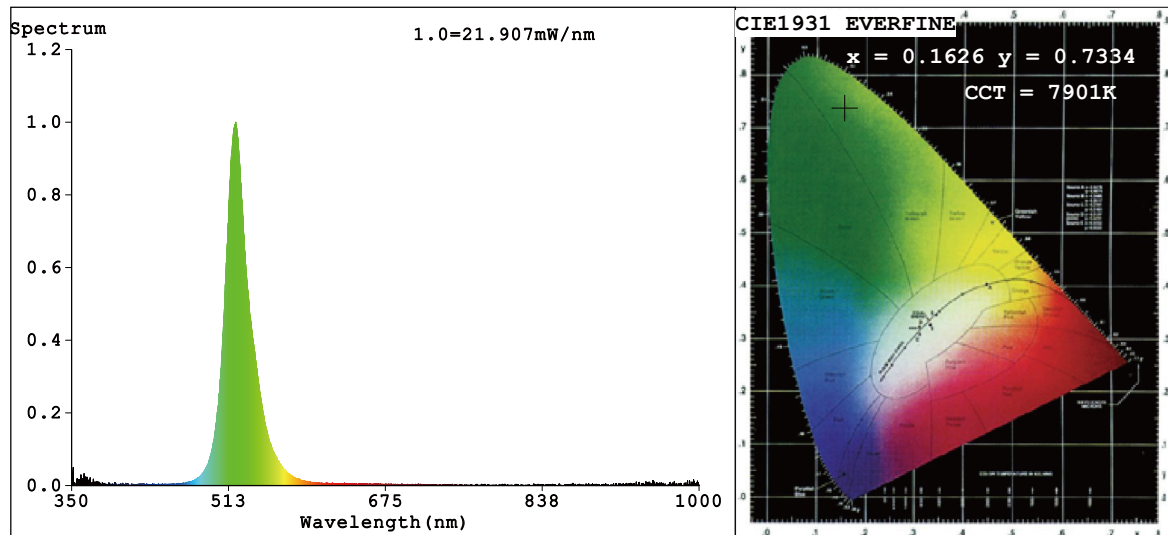
V = 23.999 V I = 0.2683 A P = 6.439 W PF = 1.000
 LEVEL:OUT WHITE:OUT
 Status: Integral T = 500 ms Ip = 14248 (22%)

GBT5702

Model:COB
 Tester:
 Temperature:Deg
 Manufacturer:

Number:R
 Date:2024-05-09 19:23:37
 Humidity:%
 Remarks:1M

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.1626$ $y=0.7334$ $u'=0.0567$ $v'=0.5752$
CCT=7901K (Duv=0.1605) Dominant WL:Ld =526.3nm WL:Lc = --nm Purity=82.0%
Ratio:R=0.43% G=98.16% B=1.41% Peak WL:Lp=520.0nm FWHM=25.2nm
Render Index:Ra=0.0

R1 =0	R2 =0	R3 =0	R4 =0	R5 =0	R6 =0	R7 =0	
R8 =0	R9 =0	R10=0	R11=0	R12=0	R13=0	R14=37	R15=0

Photo Parameters:

Flux = 342.3 lm Eff. : 129.91 lm/W Fe = 714.3 mW
Scotopic:973.97 S/P:2.8451

Electrical parameters:

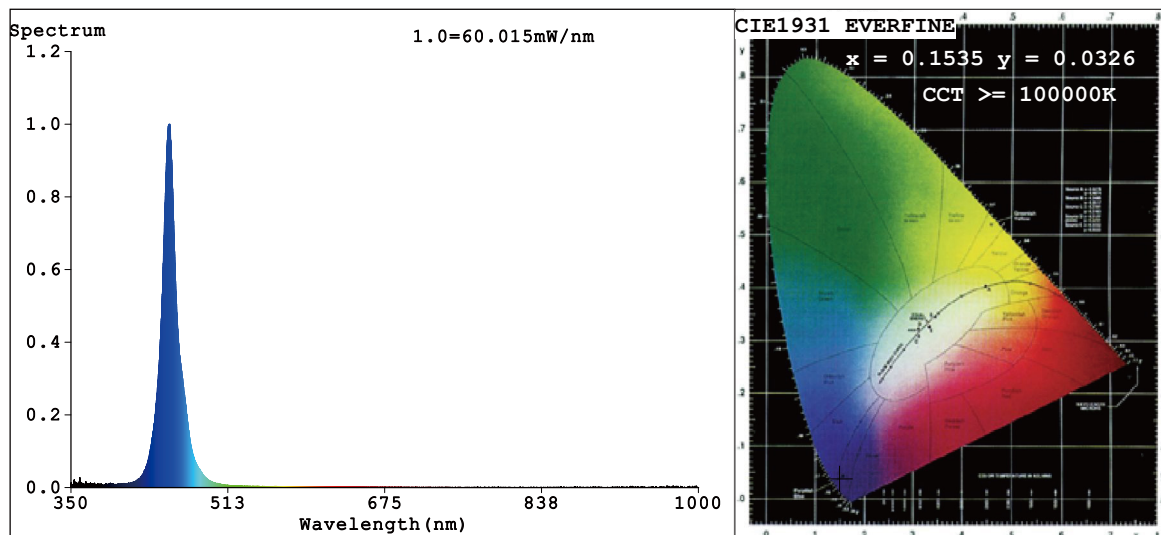
V = 23.999 V I = 0.1098 A P = 2.635 W PF = 1.000
LEVEL:OUT WHITE:OUT
Status: Integral T = 500 ms Ip = 9859 (15%)

GBT5702

Model:COB
Tester:
Temperature:Deg
Manufacturer:

Number:G
Date:2024-05-09 19:23:55
Humidity:%
Remarks:1M

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.1535$ $y=0.0326$ / $u'=0.1990$ $v'=0.0952$
 CCT=100000K (Duv=-0.2033) Dominant WL:Ld =456.6nm WL:Lc = --nm Purity=97.5%
 Ratio:R=2.21% G=19.67% B=78.12% Peak WL:Lp=452.4nm FWHM=15.3nm
 Render Index:Ra=4.9

R1 =15 R2 =0 R3 =0 R4 =0 R5 =24 R6 =0 R7 =0
 R8 =0 R9 =0 R10=0 R11=0 R12=0 R13=0 R14=0 R15=26

Photo Parameters:

Flux = 55.74 lm Eff. : 18.98 lm/W Fe = 1.325 W
 Scotopic:1068.4 S/P:19.165

Electrical parameters:

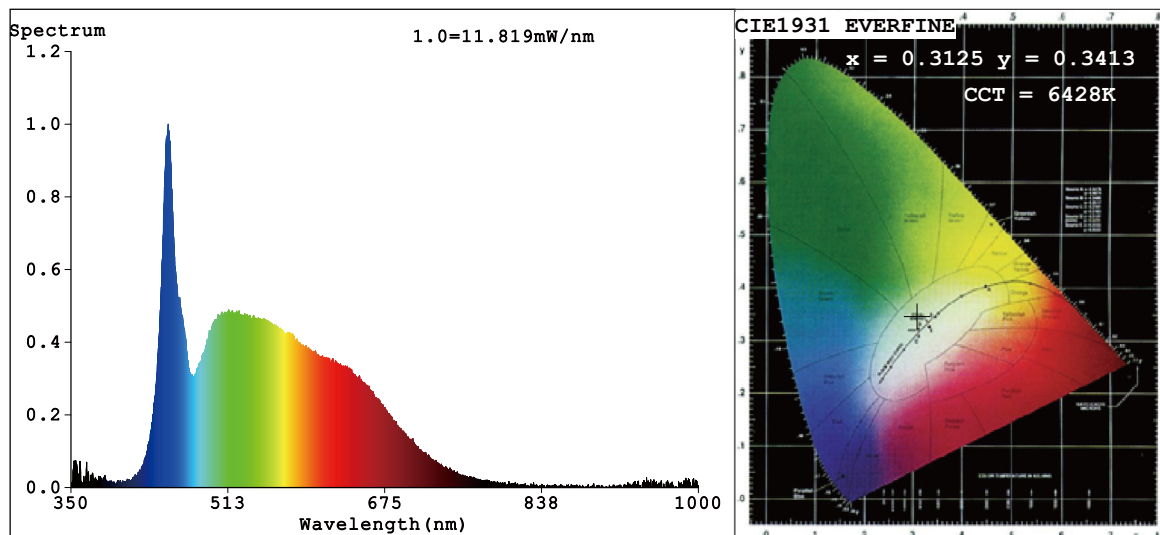
V = 23.999 V I = 0.1224 A P = 2.937 W PF = 1.000
 LEVEL:OUT WHITE:OUT
 Status: Integral T = 500 ms Ip = 17391 (27%)

GBT5702

Model:COB
 Tester:
 Temperature:Deg
 Manufacturer:

Number:B
 Date:2024-05-09 19:24:13
 Humidity:%
 Remarks:1M

Spectrum Test Report

**Color Parameters:**

Chromaticity Coordinate: $x=0.3125$ $y=0.3413$ $u'=0.1932$ $v'=0.4747$
CCT=6428K (Duv=0.0095) Dominant WL:Ld =496.7nm WL:Lc = --nm Purity=6.6%
Ratio:R=14.19% G=79.21% B=6.60% Peak WL:Lp=450.7nm FWHM=21.0nm
Render Index:Ra=92.1

R1 =90 R2 =94 R3 =97 R4 =91 R5 =90 R6 =92 R7 =96
R8 =87 R9 =61 R10=87 R11=91 R12=70 R13=91 R14=99 R15=87

Photo Parameters:

Flux = 364.5 lm Eff. : 87.08 lm/W Fe = 1.316 W
Scotopic:872.46 S/P:2.3937

Electrical parameters:

V = 23.999 V I = 0.1744 A P = 4.185 W PF = 1.000

LEVEL:OUT WHITE:OUT

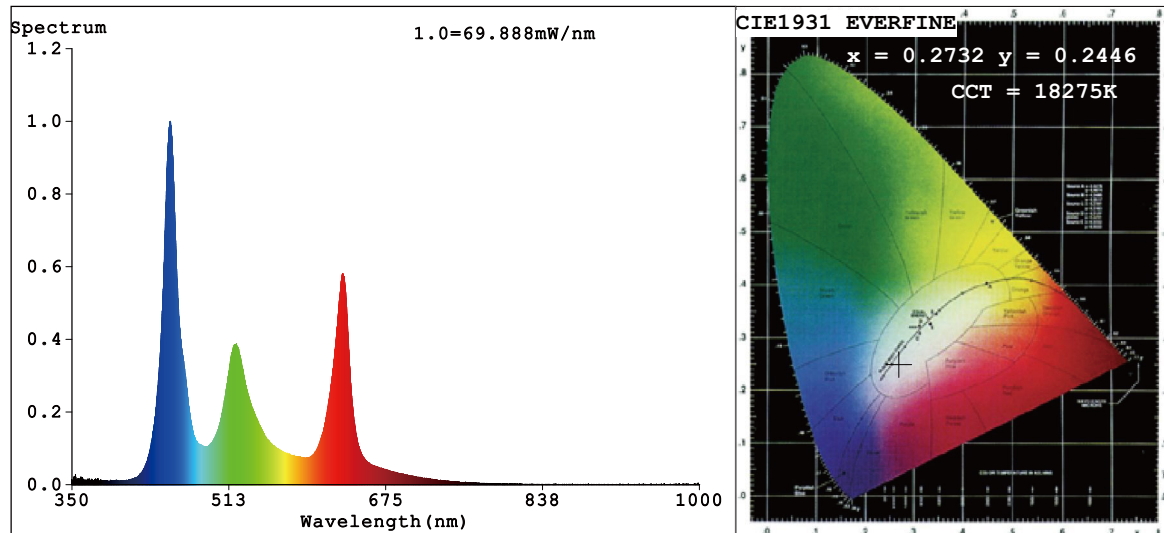
Status: Integral T = 500 ms Ip = 3381 (5%)

GBT5702

Model:COB
Tester:
Temperature:Deg
Manufacturer:

Number:W
Date:2024-05-09 19:24:28
Humidity:%
Remarks:1M

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.2732$ $y=0.2446$ $u'=0.2028$ $v'=0.4085$
 CCT=18275K (Duv=-0.0195) Dominant WL:Ld =465.2nm WL:Lc = --nm Purity=30.3%
 Ratio:R=22.33% G=69.71% B=7.96% Peak WL:Lp=451.8nm FWHM=16.1nm
 Render Index:Ra=51.8

R1 =35 R2 =76 R3 =66 R4 =33 R5 =51 R6 =76 R7 =69
 R8 =9 R9 =0 R10=55 R11=14 R12=70 R13=44 R14=76 R15=17

Photo Parameters:

Flux = 903.5 lm Eff. : 56.02 lm/W Fe = 4.055 W
 Scotopic:2883.1 S/P:3.1909

Electrical parameters:

V = 23.999 V I = 0.6721 A P = 16.13 W PF = 1.000
 LEVEL:OUT WHITE:OUT
 Status: Integral T = 500 ms Ip = 20149 (31%)

GBT5702

Model:COB
 Tester:
 Temperature:Deg
 Manufacturer:

Number:RGBW
 Date:2024-05-09 19:24:59
 Humidity:%
 Remarks:1M