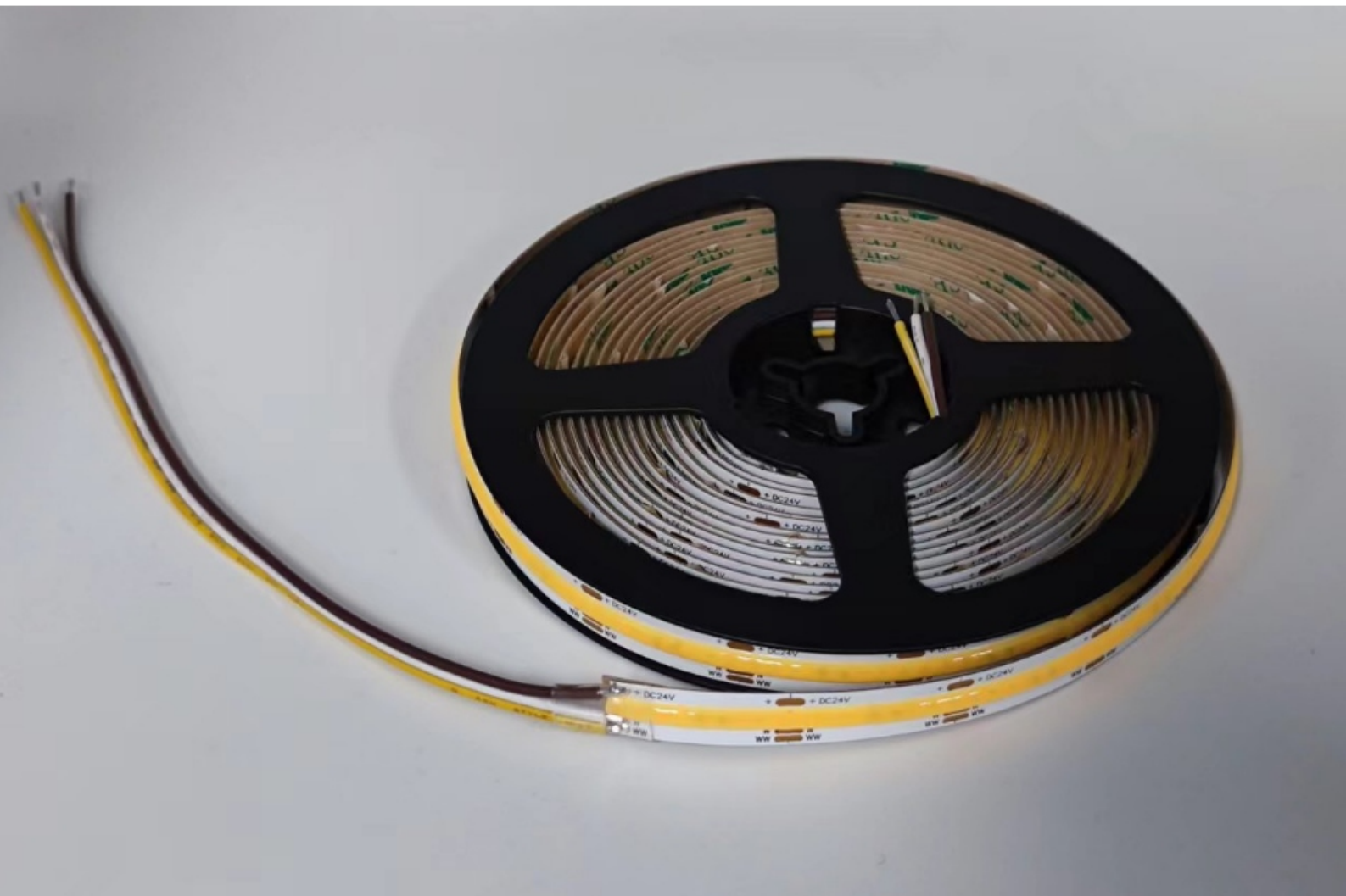




LED STRIP SPECIFICATION

COB LED STRIP Tunable White

COB Essential ,608 LEDS/M CCT 2700K-6000K



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

608 Chips Tunable White flexible LED COB Strip



Part Number: COB608

24V 10MM CCT IP20 22W

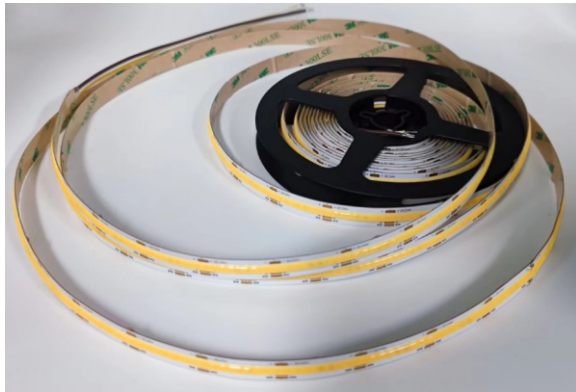
8MM

IP20/IP65/IP67/IP68

24V DC

2700K-6000K

10W-19W/M

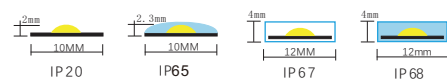
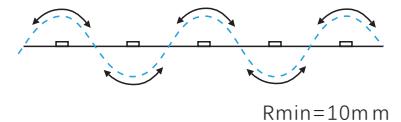
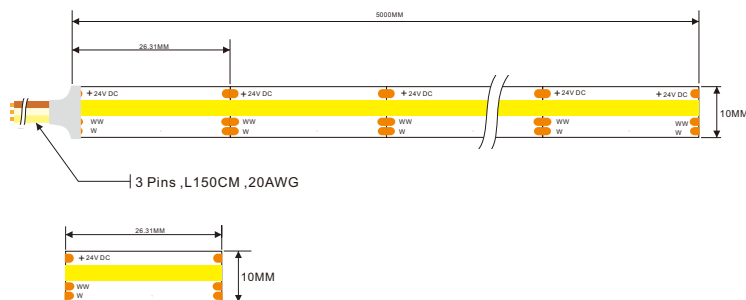


Description

- 24V DC,Tunable white flexible COB LED strip,24VDC/26.31MM Cutting Unit
- COB Design, with more chips on PCB, more even light.
- Double layer 2oz PCB, balancing voltage drop, heat dissipation and flexibility.
- To achieve uniform light in a low profile can be difficult, but this is where the COB Strip comes in.
- High efficiency 90-115lm/W,CRI RA 90



Dimensions & Waterproof



Product Specification

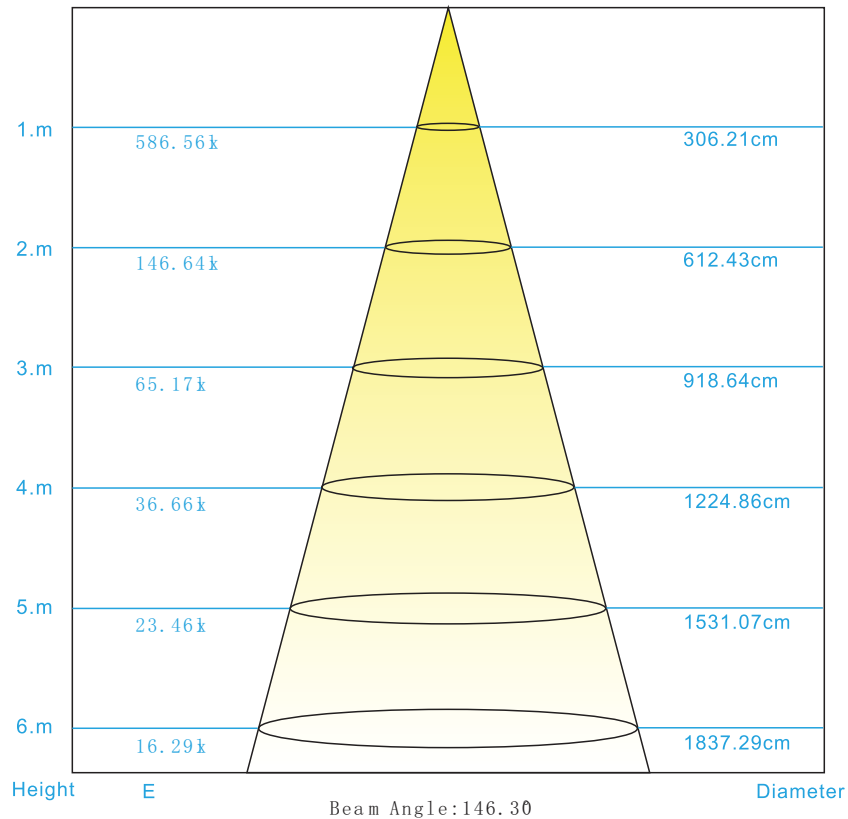
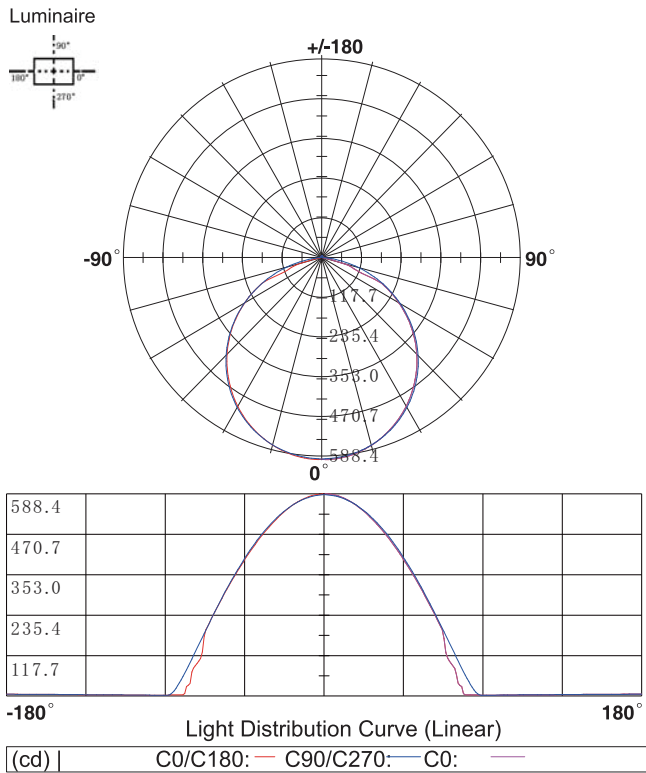
Dimension	5000x10x2mm
Chip Type	COB
Chips/m	608pcs
Step LED s	24pcs(24V)
Step Length	26.31mm(24V)

Voltage(V)	DC12 V / DC24 V
Power(W/m)	19.72(4000K) ,10W/M (2700K/6000K)
PC B Width	10mm
Bea m Angle	180°
Operation Temperature	-20°C~50° C

Product Photometrics (Data base on IP20 CRI>90)

CCT (K)	Lumen (lm/m)	Efficacy (lm/w)	CRI	R9	Power Range	
					Low Power (w/m)	High Power (w/m)
2700±100	844.8	81.68	97.2	77	10W	
6000±200	1243.32	124.2	90.9	65.28	10W	19.72W
2700K+6000K	1986	100.71	96	81		

Light Distribution Curve [Data base on 1m10WP20 6500K CRI>90 Unit:cd]



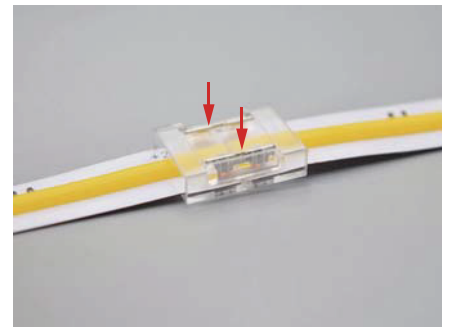
Connector Connection (IP20)



Insert each ends of led strips into the end of the connection terminal respectively, make sure the metal clip is on the same side as the metal solder pad of led strip.



After complete the insert, also make sure both ends of led strip are tightly connected

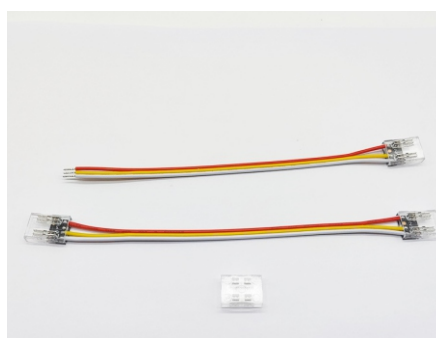


Press the metal clip down with the appropriate force using pliers to ensure that the metal clip is inserted into the appropriate position, and connection completed.

Cable Connection (IP20)



Insert one end of led strip and wire connector into both ends of the connection terminal respectively to ensure that the metal clip is on the same side as the metal solder pad of led strip

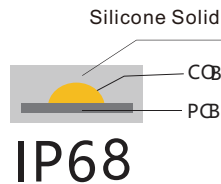
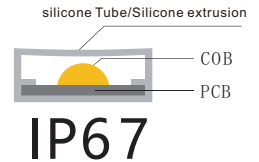
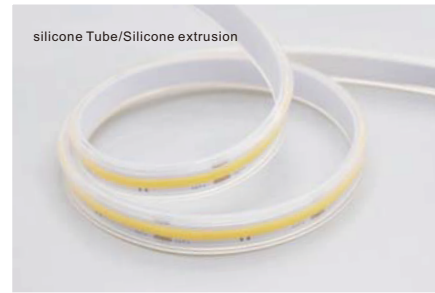
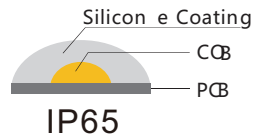


Meanwhile make sure both ends are closely connected, Press the metal clip down with the appropriate force using pliers to ensure that the metal clip is inserted into the appropriate position, and connection completed.

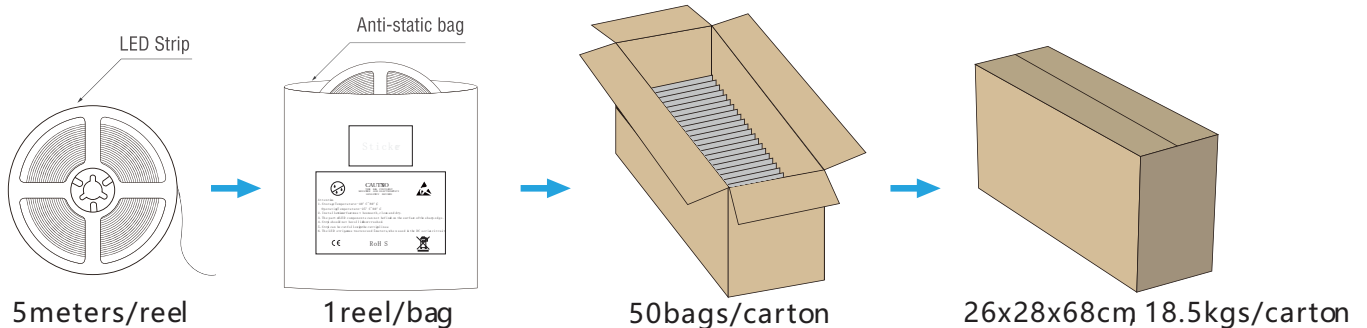
608 Chips Tunable White flexible LED COB Strip



IP Protection



Packing Information (Data base on IP20)



Precautions for use

1. To protect the LED light strip, do not hit the light-emitting area with hard things.
2. After unpacking, please use in 24H to avoid the oxidation effect of solder joints.
3. Avoid direct contact with high temperature objects in the light-emitting area of the lamp, and the instantaneous contact temperature of the surface of the light-emitting area should be less than 210 °C.
4. The soldering iron temperature should be less than 300° during soldering, and the soldering time of single solder should be controlled within 3s.
5. It is strictly forbidden to twist the lamp with short distance. The single lamp strip (0.5 m) has a maximum twist angle of 720°.



6. The bend diameter at any position needs to be greater than 1cm.

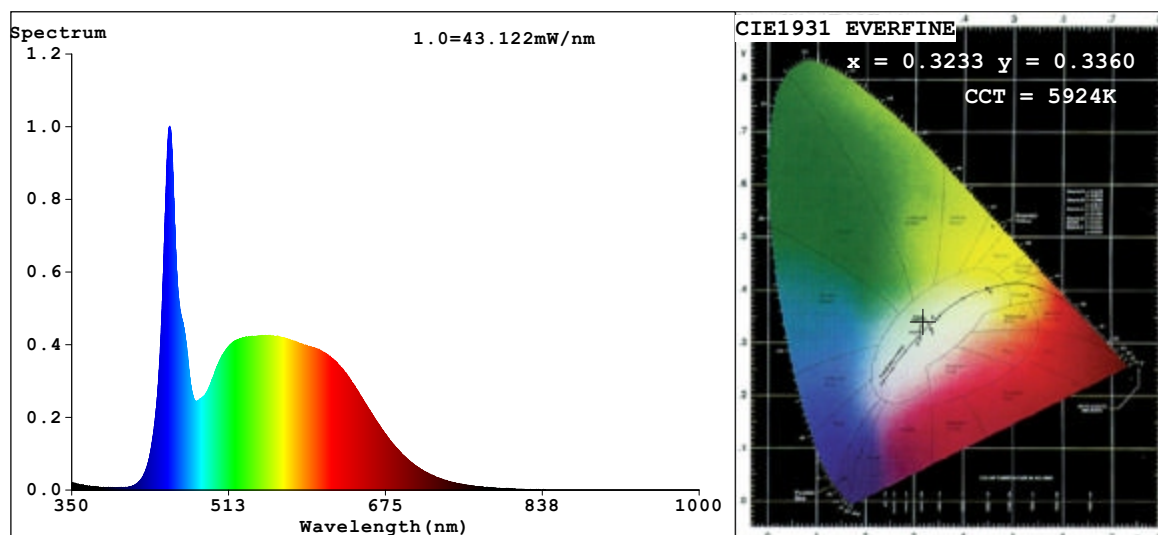




EVERFINE HAAS-1200 Test Report

1 Of 3

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3233$ $y=0.3360$ $u'=0.2026$ $v'=0.4736$ CCT=5924K (Duv=0.0016) Dominant WL: $L_d = 495.1\text{nm}$ Purity=3.2%Ratio: R=15.4% G=78.8% B=5.8% Peak WL: $L_p = 451.5\text{nm}$ FWHM=18.2nmRender Index: $R_a = 90.9$ AvgR=86.8

R1 =91	R2 =94	R3 =94	R4 =91	R5 =91	R6 =89	R7 =93
R8 =84	R9 =55	R10=84	R11=91	R12=66	R13=92	R14=97
						R15=89

Photo Parameters:

Flux = 1243 lm Eff. : 124.20 lm/W $F_e = 4.241$ W

Electrical parameters:

 $V = 23.997$ V $I = 0.4172$ A $P = 10.01$ W PF = 1.000

LEVEL:OUT WHITE:ANSI_5700K

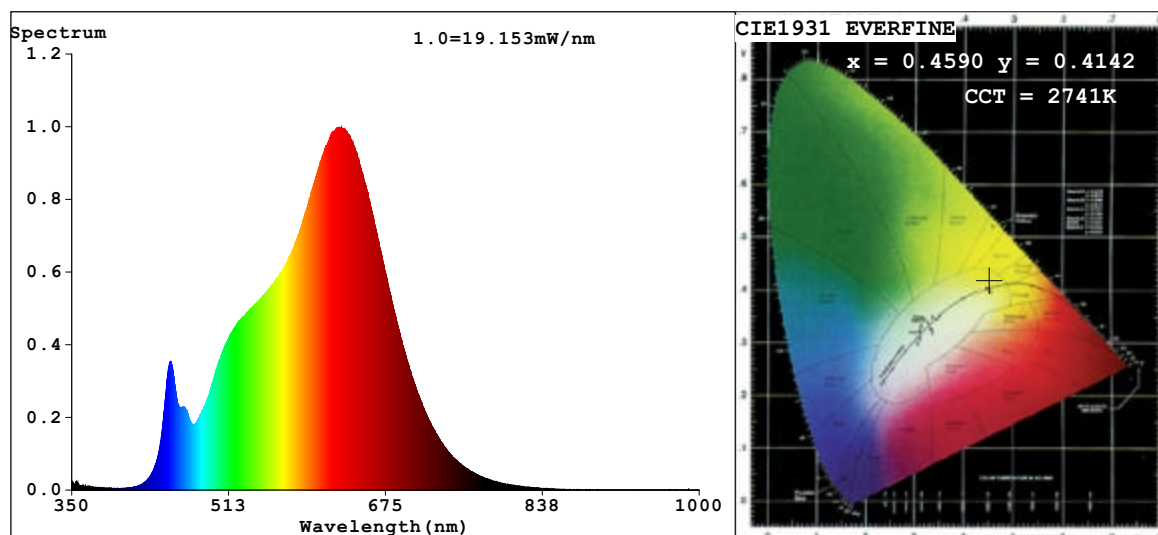
Status: Integral T = 143 ms $I_p = 54254$ (83%)



EVERFINE HAAS-1200 Test Report

2 Of 3

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.4590$ $y=0.4142$ $u'=0.2603$ $v'=0.5286$
 CCT=2741K (Duv=0.0014) Dominant WL: $\lambda_d = 583.5\text{nm}$ Purity=62.1%
 Ratio: R=26.8% G=70.6% B=2.6% Peak WL: $\lambda_p = 629.5\text{nm}$ FWHM=148.1nm
 Render Index: Ra=97.2 AvgR=95.2

R1 =99 R2 =99 R3 =99 R4 =100 R5 =99 R6 =97 R7 =95
 R8 =90 R9 =77 R10=98 R11=96 R12=89 R13=99 R14=98 R15=94

Photo Parameters:

Flux = 844.8 lm Eff. : 81.68 lm/W $F_e = 3.063$ W

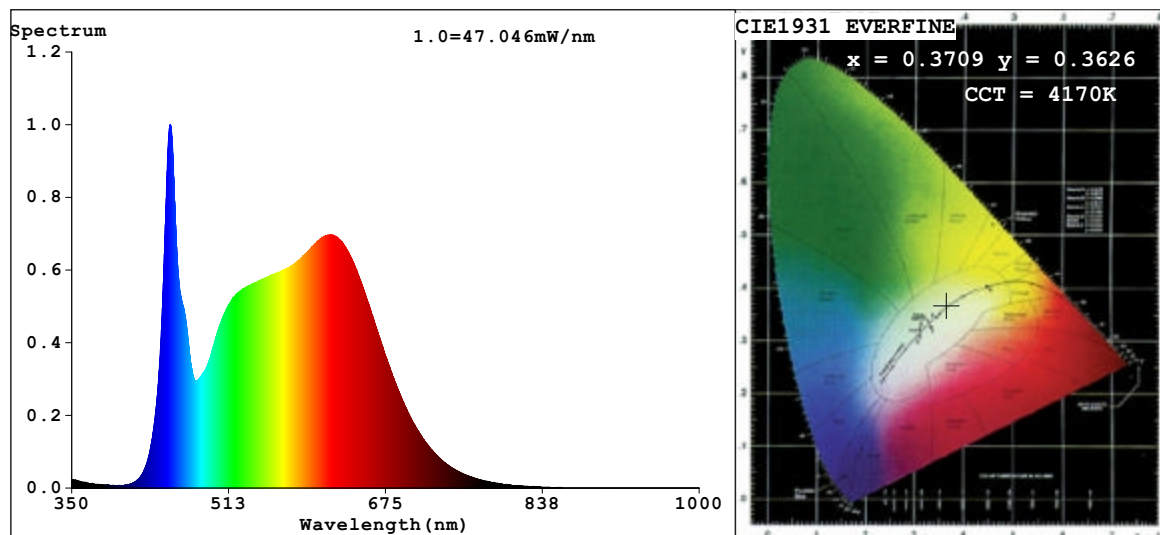
Electrical parameters:

V = 23.997 V I = 0.4310 A P = 10.34 W PF = 1.000
 LEVEL:OUT WHITE:ANSI_2700K

Status: Integral T = 264 ms $I_p = 51515$ (79%)



Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3709$ $y=0.3626$ $u'=0.2245$ $v'=0.4937$

CCT=4170K (Duv=-0.0039) Dominant WL:Ld =581.2nm Purity=20.1%

Ratio:R=20.0% G=75.4% B=4.6% Peak WL:Lp=452.2nm FWHM=21.5nm

Render Index:Ra=96.0 AvgR=93.9

R1 =98	R2 =98	R3 =97	R4 =97	R5 =96	R6 =94	R7 =95
R8 =92	R9 =81	R10=95	R11=96	R12=74	R13=99	R14=98 R15=97

Photo Parameters:

Flux = 1986 lm Eff. : 100.71 lm/W Fe = 6.968 W

Electrical parameters:

V = 23.997 V I = 0.8217 A P = 19.72 W PF = 1.000

LEVEL:OUT WHITE:ANSI_4000K

Status: Integral T = 132 ms Ip = 54996 (84%)

608 Chips Tunable White flexible LED COB Strip

Dual Color LED Controller



Wire Diagram

