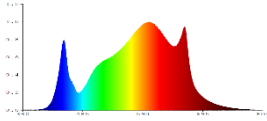
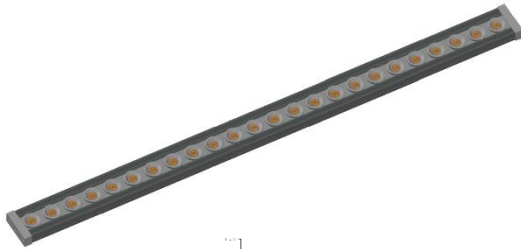


**Description:** RX-GW78-LM301-H High power and high efficiency plant light strip, Grow LED bar, reflective cup Concentrating Light efficiently and More uniform spectral radiation, directional light ,high light utilization efficiency, more efficient comparison with Common grow lights. optimal plant-specific spectrum, to meet the light requirements of medicinal plants, fully stimulate medicinal ingredients. It is especially used for indoor planting of medicinal plants



1. High efficiency plant light LED bar, Efficiency up to 3.3 $\mu$ mol/J
2. Samsung LM301H and German brand horticulture LED
3. Unique reflective design, PPF up to 1200 $\mu$ mol/m<sup>2</sup>/s @0.2m
4. Conformal Coated, waterproof rating IP64, can customize IP65 (lens reflector)
5. K8 Array plant light Power 800W
6. ALED grow bar Max 150W/Bar
7. Long life up to 50,000 hours
8. CE RoHS FCC

Model	Dimension LxWxH	Spectral Wavelength h	Photon PPF $\mu$ mol/m <sup>2</sup> /s	Photosynthetic Photon Flux	Power Test Input	Comment
RX-GW78-LM301-H-90	1215x81x27mm 48"x3.2"x 1.1"	F18	405 $\mu$ mol@0.2m 8" 27549Lx	188 $\mu$ mol/s 12638Lm	2A @ 28.72V	57W 3.3 $\mu$ mol/J
			701 $\mu$ mol@0.2m 8" 47591Lx	324 $\mu$ mol/s 21807Lm	3.5A @ 29.65V	103W 3.1 $\mu$ mol/J
			1002 $\mu$ mol@0.2m 8" 67975Lx	452 $\mu$ mol/s 30394Lm	5A @ 30.25V	150W 3 $\mu$ mol/J
RX-GW78-LM301-H-90-K8	1215x1150x100mm 48"x45"x 4 "	F18	1700 $\mu$ mol @0.2m 8"	300 $\mu$ mol/s X8 2400 $\mu$ mol/s	800W AC230V	3 $\mu$ mol/J HLG-480H-C3500 2pcs
			1600 $\mu$ mol @0.3m 12"			
			1300 $\mu$ mol @0.5m 20"			

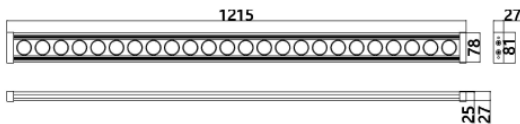
Surface temperature rise Tc 28°K , Operating temperature: -30°C ~ 40°C , Lifespan: 50,000 hours (Note: Ta ≤ 25°C)

Tolerance range for optical and electrical data: ±10 % . Light emitting angle: 90 °

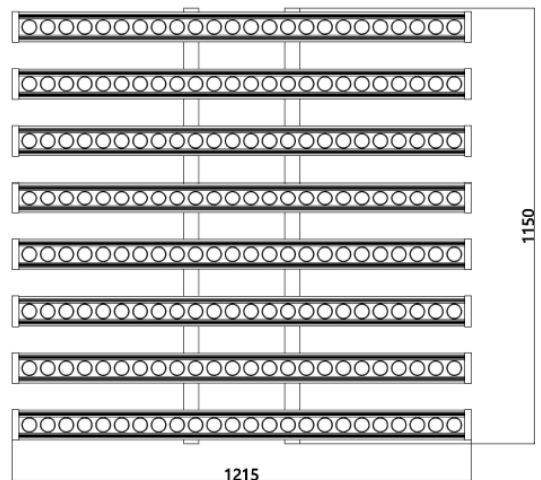
Recommended irradiation distance 0.2 ~ 0.5m for medicinal planting For Shelf planting

The above data is for reference only!

Dimension:



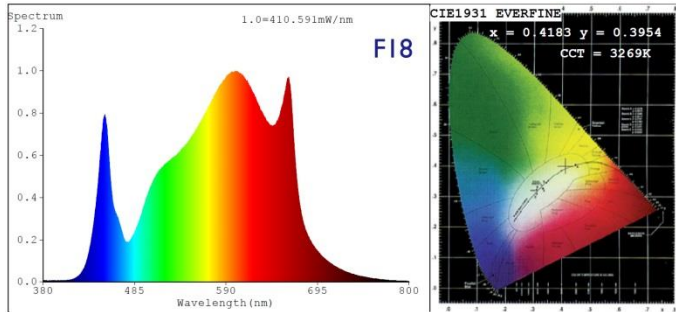
RX-G78-LM301-H Only LED grow Bar



Unit: mm

RX-GW78-LM301-H-90-K8

● Testing report

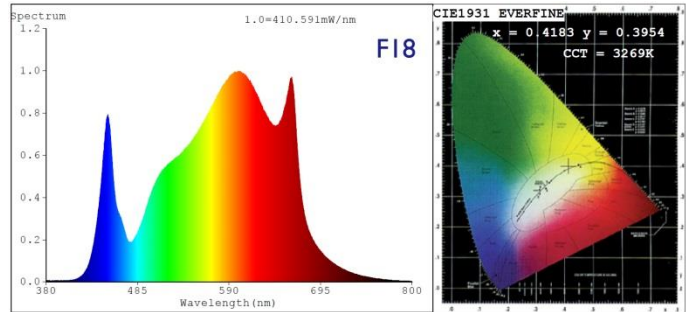


**Color Parameters:**  
 Chromaticity Coordinate:  $x=0.4183$   $y=0.3954$   $u'=0.2422$   $v'=0.5151$   
 CCT=3269K (Duv=-0.0006) Dominant WL:Ld =582.0nm Purity=44.2%  
 Ratio:R=21.6% G=75.5% B=2.9% Peak WL:Lp=600.7nm FWHM=161.6nm  
 Render Index:Ra=86.6 AvgR=82.0  
 R1 =85 R2 =92 R3 =97 R4 =86 R5 =85 R6 =89 R7 =88  
 R8 =71 R9 =32 R10=81 R11=86 R12=72 R13=87 R14=98 R15=80

**Photo Parameters** **324 $\mu$ mol/s 104W**  
 Flux = 21807 lm Eff. : 210.21 lm/W Fe = 68.91 W  
 Scotopic:32022 S/P:1.4684  
 Photosynthetic:PPF:324.19umol/s PAR WATT:67426mW(400-700nm)

**Electrical parameters:**  
 V = 29.650 V I = 3.499 A P = 103.7 W PF = 1.000  
 LEVEL:OUT WHITE:ANSI\_3500K

RX-GW78-LM301-H-90 F18 3.5A PPF

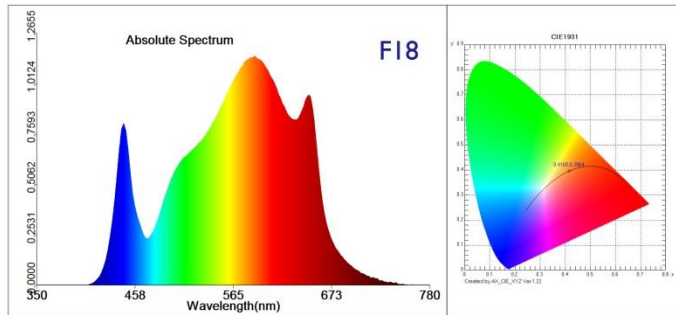


**Color Parameters:**  
 Chromaticity Coordinate:  $x=0.4176$   $y=0.3948$   $u'=0.2420$   $v'=0.5148$   
 CCT=3278K (Duv=-0.0007) Dominant WL:Ld =582.0nm Purity=43.8%  
 Ratio:R=21.5% G=75.5% B=2.9% Peak WL:Lp=601.6nm FWHM=162.0nm  
 Render Index:Ra=86.3 AvgR=81.6  
 R1 =85 R2 =92 R3 =97 R4 =85 R5 =85 R6 =89 R7 =88  
 R8 =70 R9 =30 R10=81 R11=85 R12=72 R13=86 R14=99 R15=80

**Photo Parameters:** **188 $\mu$ mol/s 57W**  
 Flux = 12638 lm Eff. : 220.13 lm/W Fe = 39.95 W  
 Scotopic:18614 S/P:1.4729  
 Photosynthetic:PPF:187.86umol/s PAR WATT:39081mW(400-700nm)

**Electrical parameters:**  
 V = 28.720 V I = 1.999 A P = 57.41 W PF = 1.000  
 LEVEL:OUT WHITE:ANSI\_3500K

RX-GW78-LM301-H-90 F18 2A PPF



**Test parameter:**

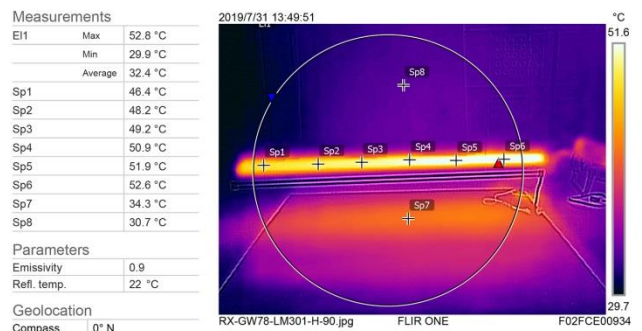
E= 47591.2 lx	E(fc)=4422.97 fc		
CIE x=0.4170	CIE y=0.3970	CIE u'=0.2407	CIE v'=0.5156
Tc=3307 K	Lp=599.0 nm	HW=163.6 nm	Ld=581.5 nm
Pur=44.3 %	Ratio_R=21.2 %	Ratio_G=75.9 %	Ratio_B=2.9 %
Duv=0.00033			
Ra=85.7	R1= 84	R2= 91	R3= 97
R4= 85	R5= 84	R6= 88	R7= 88
R8= 70	R9= 28	R10= 80	R11= 85
R12= 72	R13= 85	R14= 98	R15= 79

SDCM= 2.9(3500K/White)  
 White Class:OUT

**701  $\mu$ mol/m<sup>2</sup>/s**

E1=145.93 W/m2	E2=148.35 W/m2	PPFD=700.81 $\mu$ mol/(m <sup>2</sup> s)
Ech-A=24.775 W/m2	Ech-B=25.443 W/m2	Ef=2.3968 W/m2
Eb=22.972 W/m2	Ey=64.282 W/m2	Er=58.799 W/m2
Ep=129.56 W/m2	Erb_Ratio=2.5596	
PPFDf=1.4483E+001 $\mu$ mol/(m2.s)		

RX-GW78-LM301-H-90 0.2m F18 3.5A PPFD Output



RX-GW78-LM301-H-90 Surface temperature test