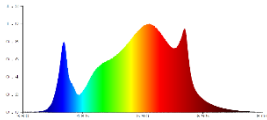
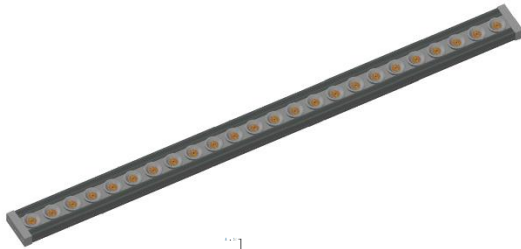


Description: RX-GW78-LM301-H High power and high efficiency plant light strip, Grow LED bar, reflective cup Concentrating Light efficiently and More uniform spectral radiation, directional light ,high light utilization efficiency, more efficient comparison with Common grow lights. optimal plant-specific 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 3.3umol/J
2. Samsung LM301H and German brand horticulture LED
3. Unique reflective design, PPF up to 1200umol/m²/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 μmol/m²/s	Photosynthetic Photon Flux	Power Test Input	Comment
RX-GW78-LM301-H-90	1215x81x27mm 48"x3.2"x 1.1"	F18	405μmol@0.2m 8" 27549Lx	188umol/s 12638Lm	2A @ 28.72V	57W 3.3μmol/J
			701μmol@0.2m 8" 47591Lx	324umol/s 21807Lm	3.5A @ 29.65V	103W 3.1μmol/J
			1002μmol@0.2m 8" 67975Lx	452umol/s 30394Lm	5A @ 30.25V	150W 3μmol/J
RX-GW78-LM301-H-90-K8	1215x1150x100mm 48"x45"x 4 "	F18	1700μmol @0.2m 8"	300μmol/s X8 2400μmol/s	800W AC230V	3μmol/J
			1600μmol @0.3m 12"			HLG-480H-C3500
			1300μmol @0.5m 20"			2pcs

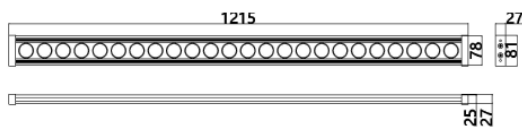
Surface temperature rise Tc 28°K , Operating temperature: -30°C ~ 40°C , Lifespan: 50,000 hours (Note: Ta ≤ 25°C)

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

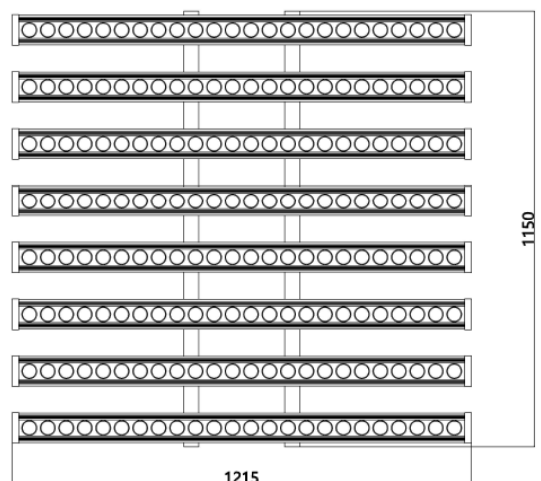
Recommended irradiation distance 0.2 ~ 0.5m for medicinal planting For Shelf planting

The above data is for reference only!

Dimension:



RX-G78-LM301-H Only LED grow Bar

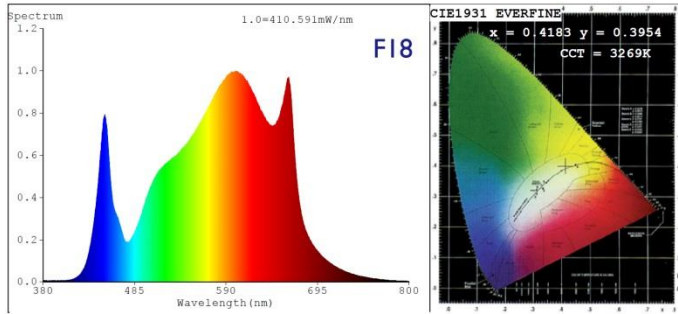


Unit: mm



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

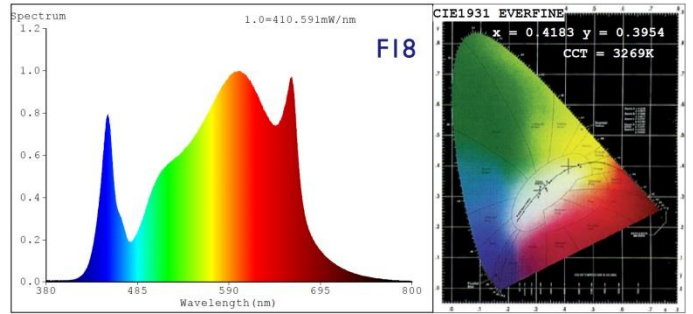
Photo Parameters **324μmol/s 104W**

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

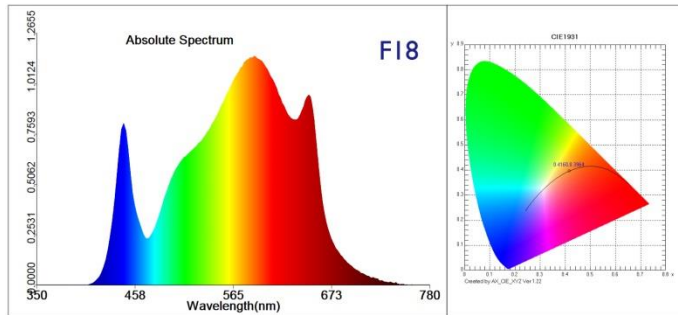
Photo Parameters: **188μmol/s 57W**

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

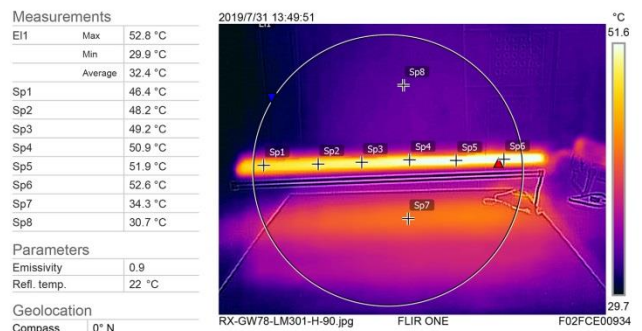
RX-GW78-LM301-H-90 F18 2A PPF



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 μmol/m²/s
 E1=145.93 W/m2 E2=148.35 W/m2 PPF=700.81 μmol/(m².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

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



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