

Description: RX-GW78-LM301-K6 700W Toplighting medical plant growth module and array lamp, New patent design product with unique lens, Different LED chips in one lens, 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. Basement, grow tent planting medicinal plants
2. Unique lens structure- high efficiency concentrating, uniform spectral radiation, direct illumination, higher light utilization, PPFD up to **1300μmol/m²/s @0.2m**
3. Samsung LM301H and German brand horticulture LED
4. Waterproof IP65, Can be used in humid environments
5. 120Z Array plant light Input: AC180~528V, PF >0.9 Powr:700W
6. 120 LED grow bar Max 3.6A 136W/Bar
7. Long life up to 50,000 hours
8. CE RoHS FCC

Model	Dimension LxWxH	Spectral Wavelength	Photon PPFD μmol/m²/s	Photosynthetic Photon Flux	Power Test Input	Comment
RX-GW78-120 -LM301-90D	1215x81x38mm 48"x3.2"x 1.5"	F15 35K24R2	607μmol@0.2m 38871Lx	10206Lm 158umol/s	1.56A @ 57W	43W 2.9μmol/J
			928μmol@0.2m 59430Lx	15384Lm 238umol/s	2.4A @ 88W	66W 2.8μmol/J
			1369μmol@0.2m 87622Lx	22457Lm 349umol/s	3.6A @ 136W	102W 2.6μmol/J
		F16 35K24R1FR1	554μmol@0.2m 37200Lx	9937Lm 147umol/s	1.56A @ 56W	43W 2.8μmol/J
			818μmol@0.2m 54650Lx	15008Lm 222umol/s	2.4A @ 88W	66W 2.7μmol/J
			1216μmol@0.2m 81038Lx	22065Lm 326umol/s	3.6A @ 136W	101W 2.5μmol/J
RX-GW78-LM3 01-K6-90D	1215x1100x103 mm 48"x44"x 4"	F16	1306μmol @0.2m 89353Lx	267μmol/s X6 1600μmol/s	700W AC230V	F16 spectrum, far red 730nm 2.5μmol/J HLG-480H
			1219μmol @0.3m 83303Lx			
			1071μmol @0.5m 73207Lx			

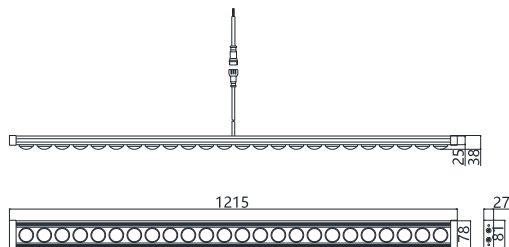
Surface temperature rise Tc 32°K , Operating temperature: -30°C ~ 40°C , Lifespan: 50,000 hours (Note: Ta ≤ 25°C)

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!

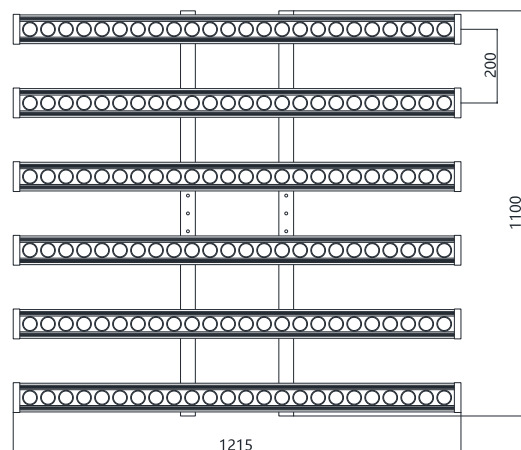
Dimension:



Unit: mm

RX-GW78-120-LM301-60D

Only LED grow Bar



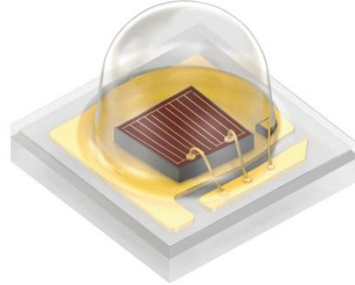
RX-GW78-LM301-K6-90D

array LED grow light

- High efficiency and energy saving, Samsung LM301H led chip, add German brand Deep red 660nm and Far red 730nm lamp beads



LM301H

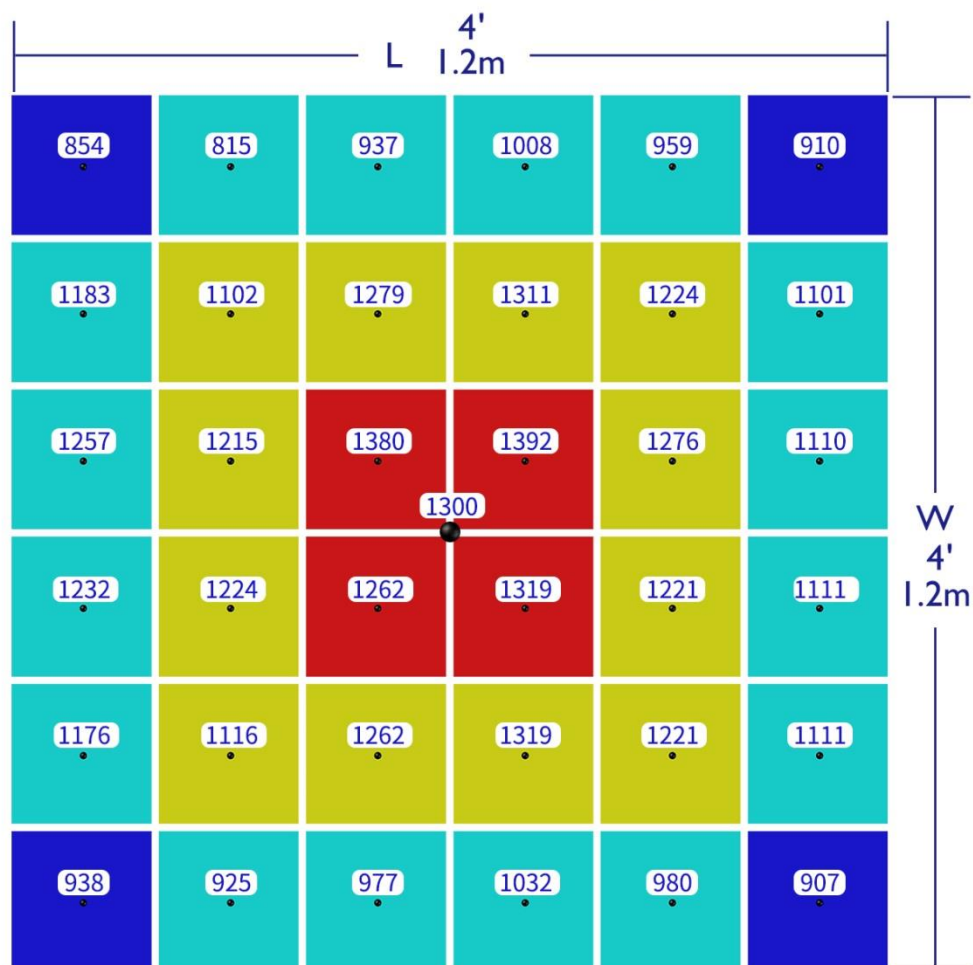
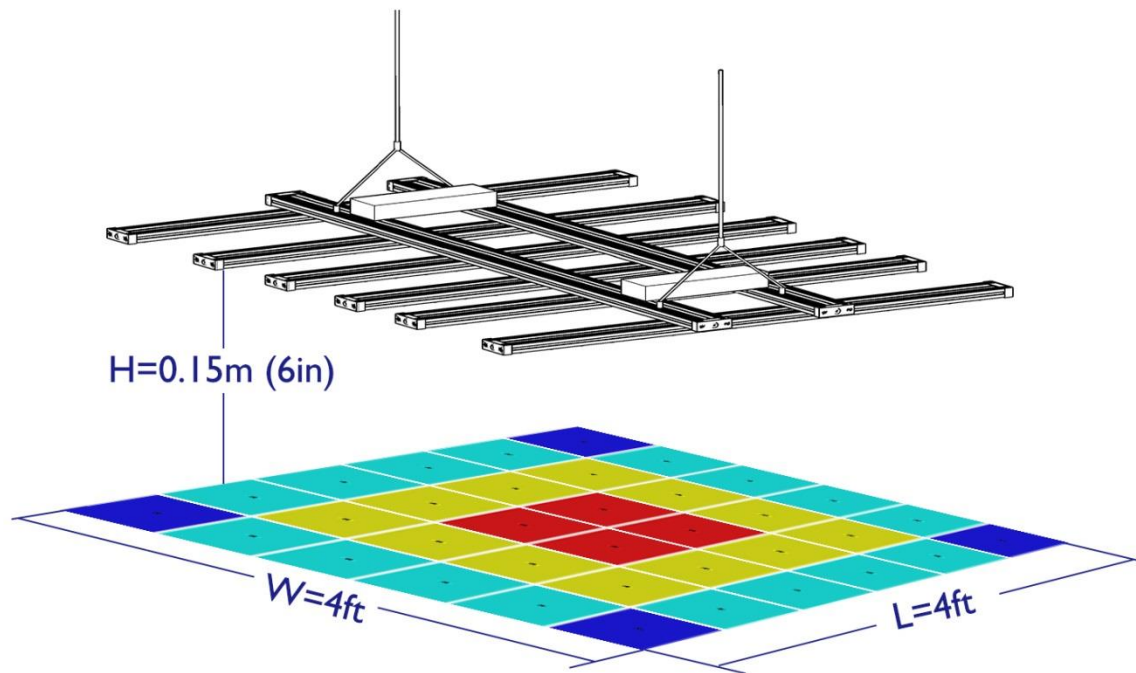


German brand Deep red 660nm and far red 730nm



RX-GW78-120-LM301-90D top light medicinal plant growth module array lamp, using Samsung LM301H and German brand deep red 660nm and far red 730nm lamp beads, Ultra high PAR output

- RX-GW78-LM301-K6-90D 700W 37-point test, Coverage area: 48'' x 48'' (1.2mx1.2m), Test height: 6'' (0.15m)



RX-GW78-LM301-K6-90D 700W 15cm test

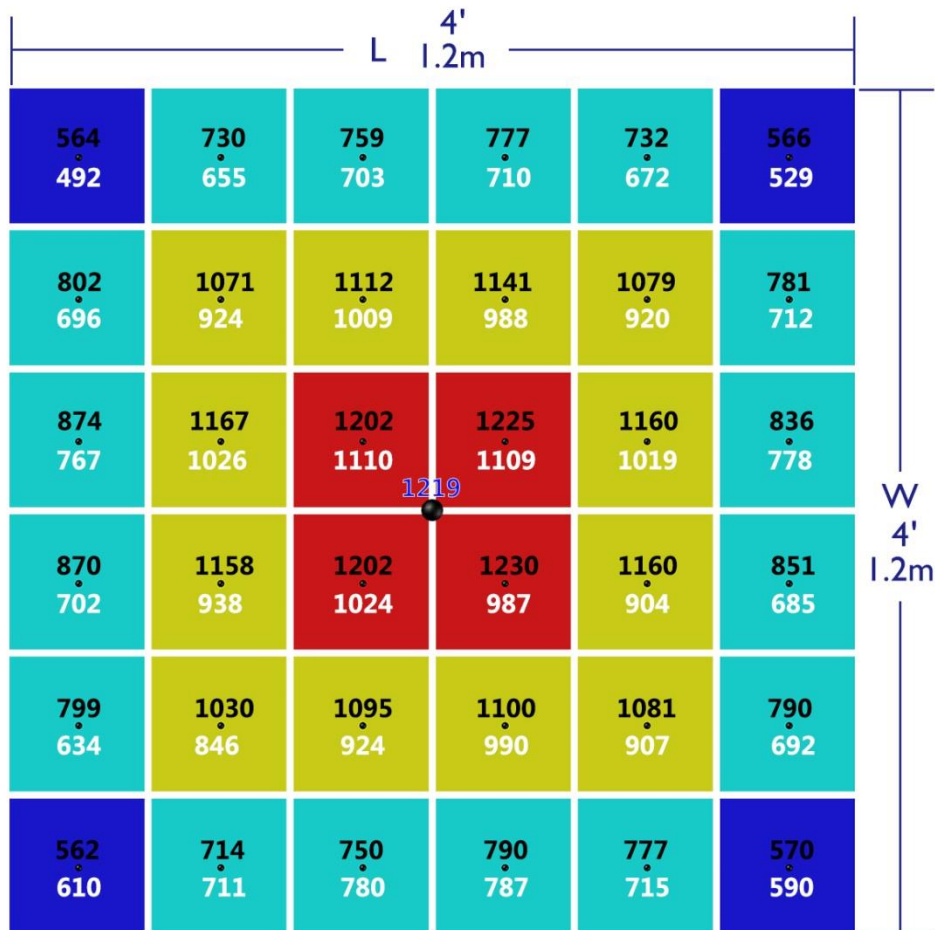
Center point PPFD: 1300 $\mu\text{mol}/\text{m}^2/\text{s}$ The PPFD average is 1143 $\mu\text{mol}/\text{m}^2/\text{s}$

- Contrast test, test height 0.3m, coverage area 1.2x1.2m; koray lens+reflector cup structure grow light, PPFD average, compared with PPFD average of not waterproof without Lnes+Reflector cup, increased by 14.6%



PPFD increase by 14.6%

37point Test PPFD @0.3m



The test height is 0.3m and the coverage area is 1.2mx1.2m

- Black word data is RX-GW78-LM301-K6-90D 700W Lens+Reflector cup
- White word data is RX-GW78-LM301-K6-120D 700W Not waterproof without Lens+Reflector cup

RX-GW78-LM301-K6-90D 700W: Black word data average PPFD: 809.5μmol/m²/s

RX-GW78-LM301-K6-120D 700W: White word data average PPFD: 928μmol/m²/s

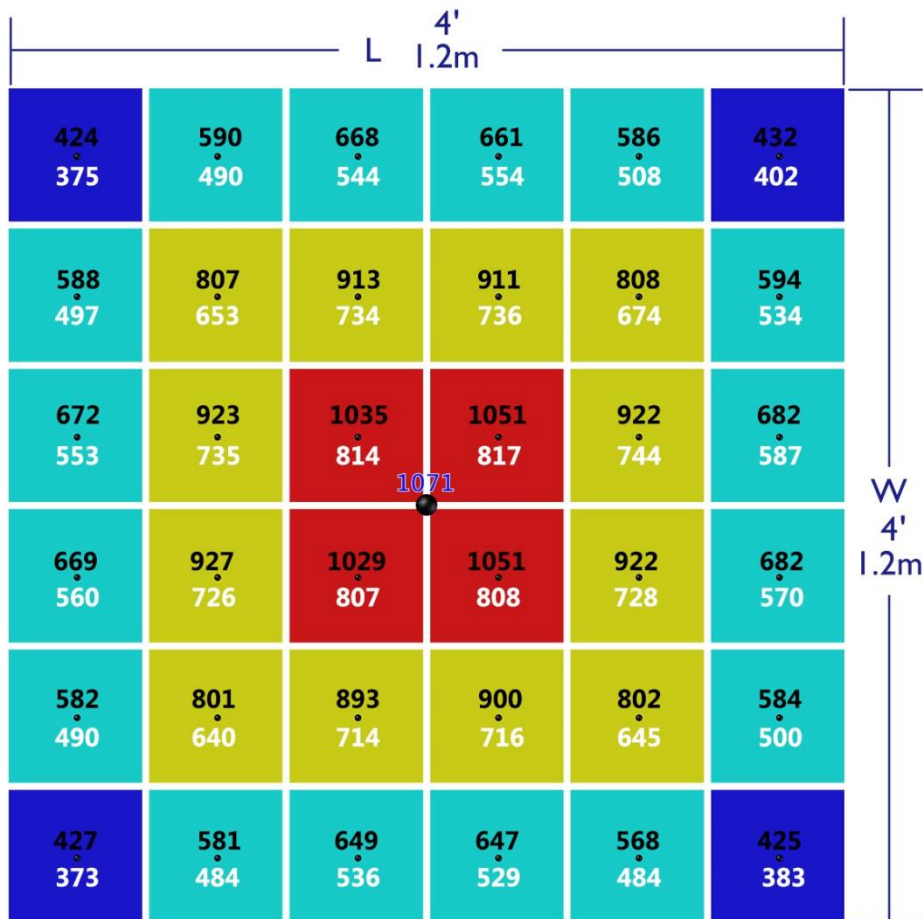
Average PPFD increased by 14.6%

- Contrast test, test height 0.5m, coverage area 1.2x1.2m; koray lens+reflector cup structure grow light, PPFD average, compared with PPFD average of not waterproof without Lnes+Reflector cup, increased by **22.3%**



PPFD increase by 22.3%

37point Test PPFD @0.5m



The test height is 0.5m and the coverage area is 1.2mx1.2

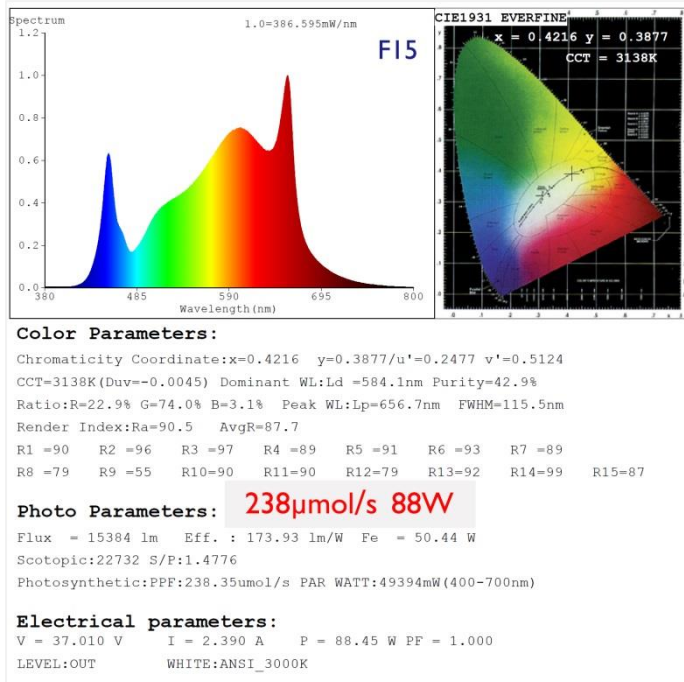
- Black word data is RX-GW78-LM301-K6-90D 700W Lens+Reflector cup
- White word data is RX-GW78-LM301-K6-120D 700W Not waterproof without Lens+Reflector cup

RX-GW78-LM301-K6-90D 700W: Black word data average PPFD: 743μmol/m2/s

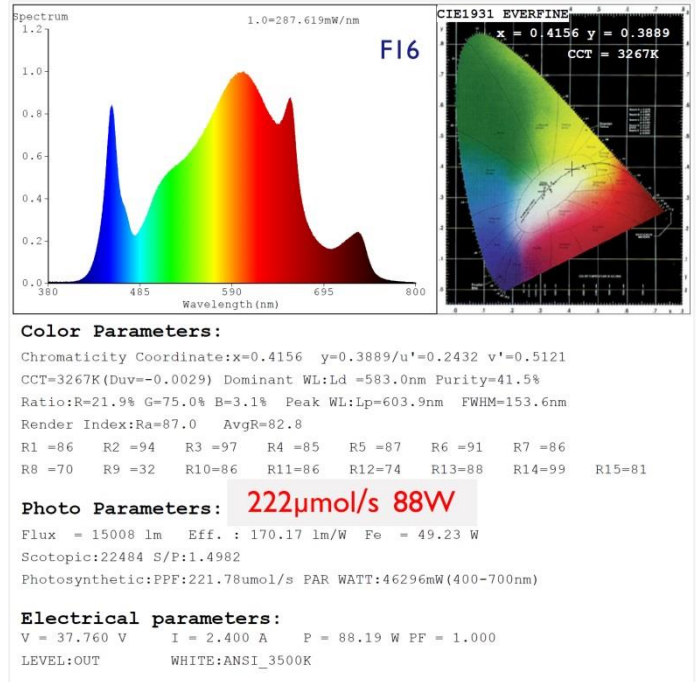
RX-GW78-LM301-K6-120D 700W: White word data average PPFD: 607μmol/m2/s

Average PPFD increased by 22.3%

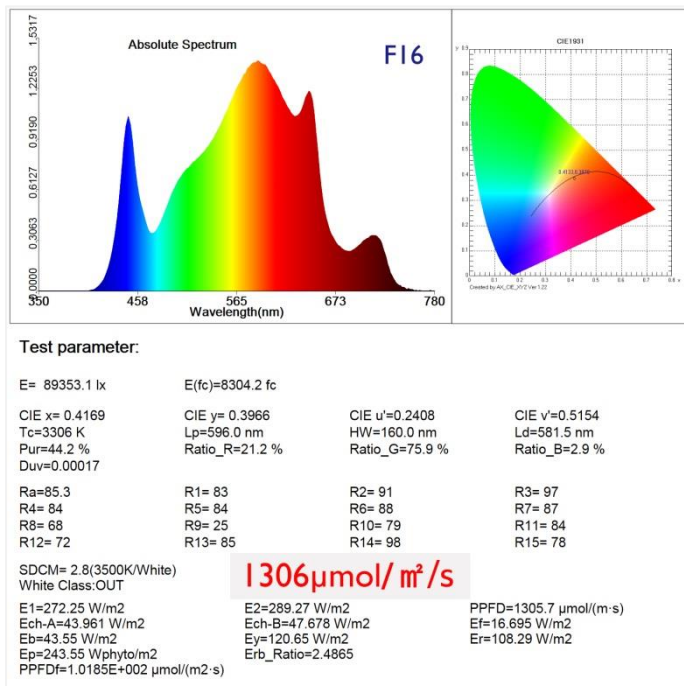
● Testing report



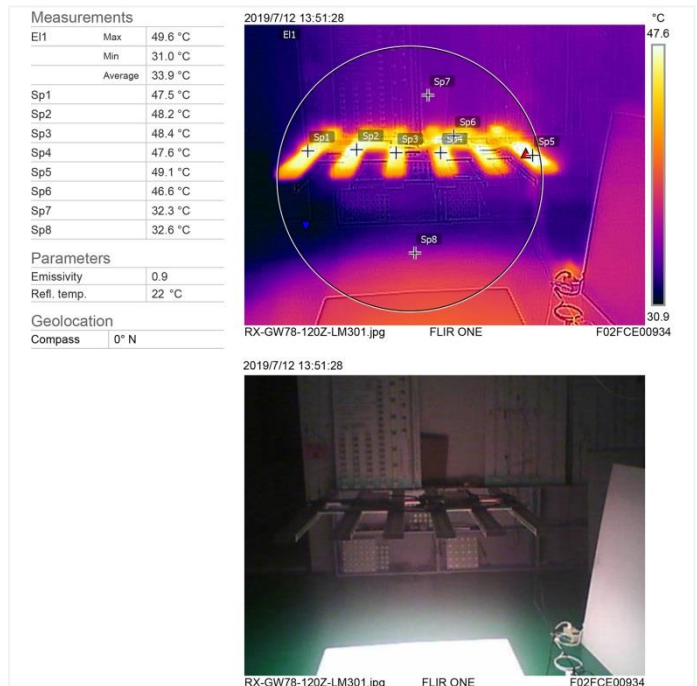
RX-GW78-I20-LM30I-FI5 2.4A PPF Test



RX-GW78-I20-LM30I-FI6 2.4A PPF Test



RX-GW78-LM30I-K6-90D 700W PPFD 0.2m Test



RX-GW78-LM30I-K6-90D Surface temperature test