

Description: RX-G600L Economical low price high power top light plant light module Toplighting LED Grow Bar, Concentrating Light efficiently and More uniform spectral radiation, directional light ,high light utilization efficiency, more efficient comparison with common grow lights. Silicone Potted waterproof, more Suitable for various kinds of plant cultivation (dedicated light recipes), high wire vegetables, vegetable cultivation, flower cultivation, ornamental plant cultivation, succulent plant cultivation, medicinal plant cultivation.



1. Economical low price high power top light greenhouse Horticulture LED
2. High PPF, PAR up to 1400umol/s, PPF up to 1600µmol/m²/s @ 0.3m
3. Optimize the plant spectrum to meet different plant illuminations or customize the spectrum you need
4. Conformal Coated, waterproof IP64
5. Input voltage: 100~305VAC, 127~431VAC, PF >0.9
6. Lifespan: 50,000 hours
7. Meet the safety requirements around the world, CE RoHS FCC

| Model | Dimension LxWxH | Spectral Wavelength | Photon PPF µmol/m²/s | Luminous flux Radiation Power | Power Input | Comment |
|-----------------------|-----------------------------|---------------------|----------------------------|---------------------------------|--------------------|--|
| RX-G600L-1 P-M-F19 | 600x103x100mm 24"x4"x4" | | 356µmol @0.5m 22760Lx | Flux: 22383Lm PPF: 338umol/s | 3.6A @34V 123W | Recommended power supply HLG-150H-42 |
| | | | 554µmol @0.5m 35382Lx | Flux: 34685Lm PPF: 172umol/s | 5.7A @35V 200W | Recommended power supply HLG-240H-42 |
| | | | 727µmol @0.5m 46264Lx | Flux: 45015Lm PPF: 682umol/s | 7.6A @36V 275W | Recommended power supply HLG-320H-42 |
| RX-G600L-1 P-F19 | 600x103x100mm 24"x4"x4" | | 1630µmol @0.3m 104088Lx | Flux: 46000Lm PPF:700umol/s | 300W AC230/277V | 2.3umol/J HLG-320H-42B Increase far red spectrum Plant growth Light recipe |
| | | | 728µmol @0.5m 46322Lx | | | |
| | | | 207µmol @1m 13130Lx | | | |
| RX-G600L-F 19 | 1175x103x100mm 47"x4"x4" | | 1007µmol @0.5m 64001Lx | Flux: 92000Lm PPF:1400umol/s | 600W AC230/277V | 2.3umol/J HLG-600H-42B Increase far red spectrum Plant growth Light recipe |
| | | | 344µmol @1m 21950Lx | | | |
| | | | 104µmol @2m 5054Lx | | | |

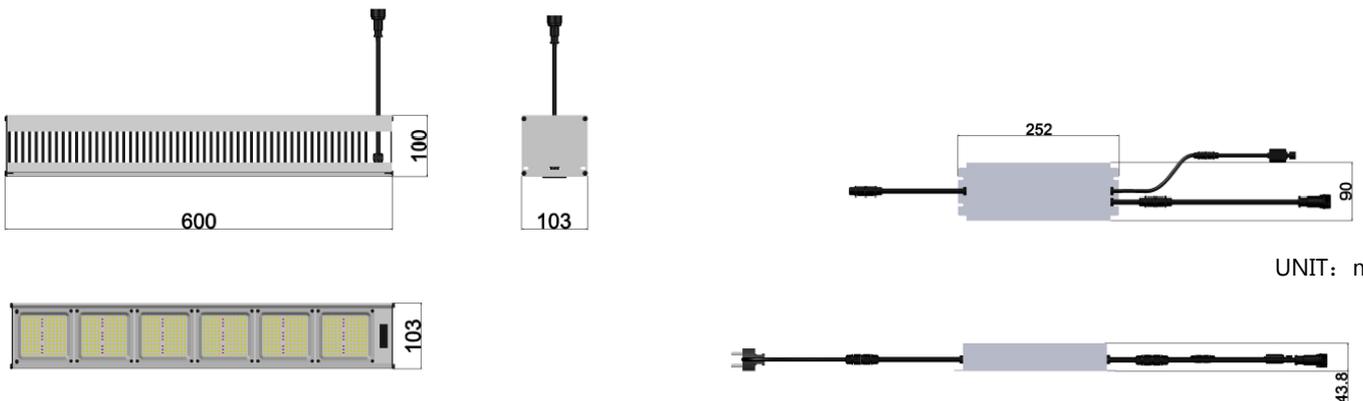
Surface temperature rise Tc 35K , Operating temperature: -30°C ~ 40°C , Lifespan: 50,000 hours (Note: Ta 25°C)

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

Recommended irradiation distance 0.3 ~ 2m

The above data is for reference only! Subject to change without notice

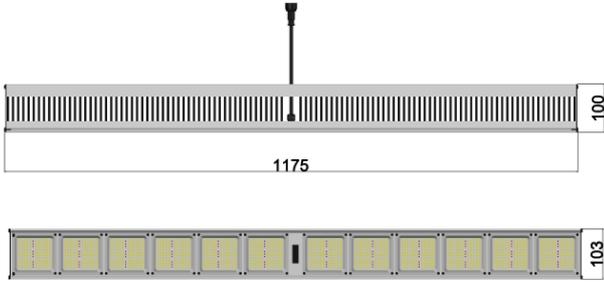
● Dimension:



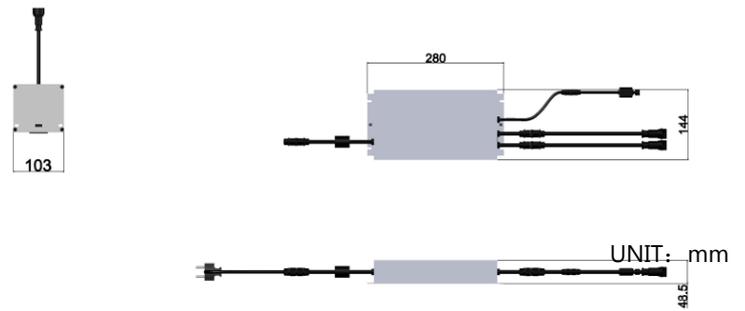
RX-G600L-1P LED Grow Light Module

HLG-320H-42B LED Drivers

● Dimension:



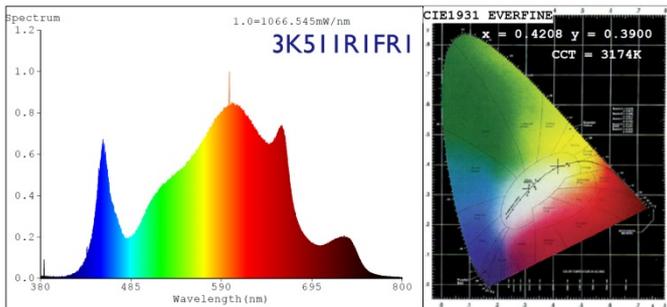
RX-G600L LED Grow Light Module



HLG-600H-42B LED Drivers

● PPF PAR testing report

PPFD testing report



Color Parameters:

Chromaticity Coordinate: $x=0.4203$ $y=0.3896$ $u'=0.2459$ $v'=0.5130$
 CCT=3181K (Duv=-0.0034) Dominant WL:Ld =583.5nm Purity=43.1%
 Ratio:R=22.5% G=74.5% B=3.0% Peak WL:Lp=599.2nm FWHM=146.1nm
 Render Index:Ra=87.5 AvgR=83.5
 R1 =87 R2 =94 R3 =97 R4 =86 R5 =87 R6 =91 R7 =87
 R8 =72 R9 =37 R10=85 R11=85 R12=74 R13=89 R14=99 R15=83

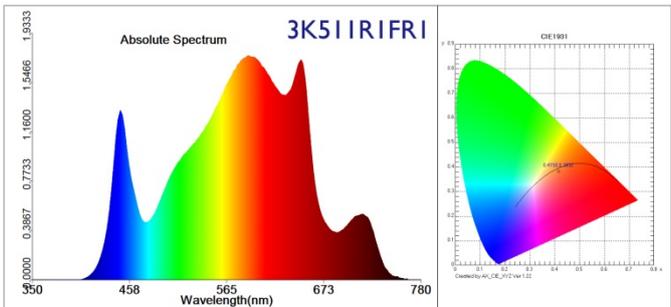
Photo Parameters: 703µmol/s 299W

Flux = 46275 lm Eff. : 154.79 lm/W Fe = 156.4 W
 Scotopic:67744 S/P:1.4639
 Photosynthetic:PPF:702.09µmol/s PAR WATT:1.4572e+005mW(400-700nm)

Electrical parameters:

V = 231.84 V I = 1.311 A P = 299.0 W PF = 0.9833
 LEVEL:OUT WHITE:ANSI_3000K

RX-G600L-1P-F19 1.3A PPF Output test



Test parameter:

| | | | |
|-------------------------------|----------------------|-------------------------|---------------|
| E= 104088.4 lx | E(fc)=9673.64 fc | | |
| CIE x= 0.4176 | CIE y= 0.3844 | CIE u'=0.2465 | CIE v'=0.5104 |
| Tc=3188 K | Lp=659.0 nm | HW=157.5 nm | Ld=584.3 nm |
| Pur=40.7 % | Ratio_R=22.6 % | Ratio_G=74.3 % | Ratio_B=3.1 % |
| Duv=-0.00521 | | | |
| Ra=89.2 | R1= 89 | R2= 95 | R3= 97 |
| R4= 87 | R5= 89 | R6= 92 | R7= 89 |
| R8= 77 | R9= 49 | R10= 87 | R11= 87 |
| R12= 78 | R13= 90 | R14= 99 | R15= 86 |
| SDCM= 7.6(3500K/White) | 1630µmol/m²/s | | |
| White Class:OUT | | | |
| E1=337.6 W/m2 | E2=363.91 W/m2 | PPFD=1629.6 µmol/(m²·s) | |
| Ech-A=60.355 W/m2 | Ech-B=61.55 W/m2 | Ef=25.797 W/m2 | |
| Eb=54.967 W/m2 | Ey=137.29 W/m2 | Er=145.61 W/m2 | |
| Ep=303 Wphyto/m2 | Erb_Ratio=2.649 | | |
| PPFDf=1.5760E+002 µmol/(m2·s) | | | |

RX-G600L-1P-F19 H30 PPFD Output test

- Surface temperature test report

Measurements

| | | |
|-----|---------|---------|
| Ei1 | Max | 71.4 °C |
| | Min | 36.3 °C |
| | Average | 39.0 °C |
| Sp1 | | 60.2 °C |
| Sp2 | | 68.2 °C |
| Sp3 | | 70.3 °C |
| Sp4 | | 70.7 °C |
| Sp5 | | 66.2 °C |
| Sp6 | | 64.9 °C |
| Sp7 | | 36.6 °C |
| Sp8 | | 37.4 °C |

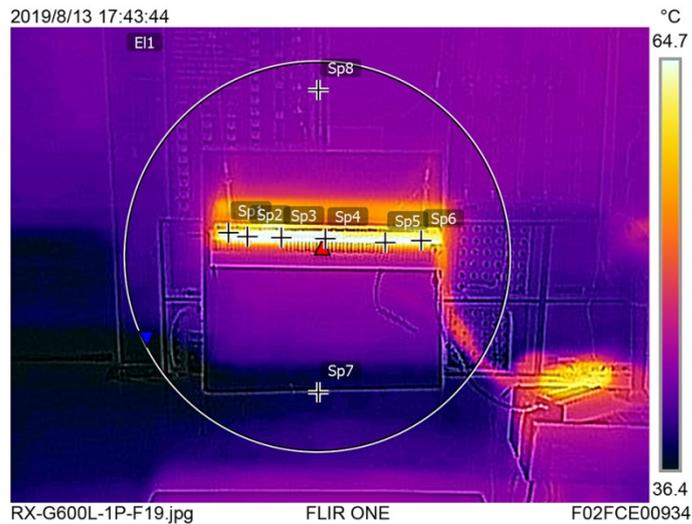
Parameters

| | |
|-------------|-------|
| Emissivity | 0.9 |
| Refl. temp. | 22 °C |

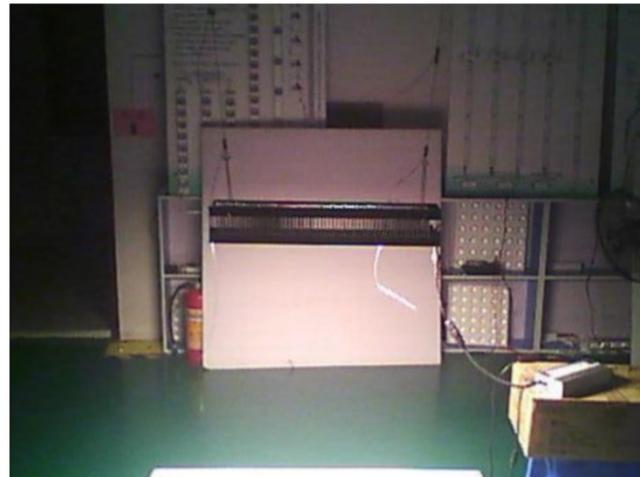
Geolocation

| | |
|---------|------|
| Compass | 0° N |
|---------|------|

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- Electronic installation instructions

1. When open the package, please check whether the inside is including product, accessory, label, certificate quality. And please assure that the light is perfect without any damage.
2. The wires of LED Light is three-core, the standard size of the wire is 3*1mm² or 3*1.5mm² and the outer diameter is $\Phi 7 \sim 12$ mm, brown wire is live line, blue wire is null line, yellow & green is ground line.
3. LED Light will work when the voltage up to rated voltage, so please be sure the voltage within the requested range, or it will damage the light which can't be repaired.
4. when the electrical continuity is connected, the lead wire should be in electric insulating The way of connect wire:

Attention

1. In order to make sure the light can work safety and stability, the ground line should be connected the earth.
2. When connecting the wires please turn off the power, and check whether the wires are connected correctly. Never connect the wires in opposite way, or the power should not be turned on.
3. Please keeping the trip bolt being fastening and reliable, in case of the light fall down of looseness.
4. When finishing connect the wires, please use the insulation gummed tape to convolve the wires, confirm the insulation and solve the waterproof problem.