

Description:

RX-T8-2D Low cost two-way lighting plant light, LED interlighting light tube system boosts high-wire plants yield during the darker periods of the year, with sideways-facing LEDs focusing growth-stimulating light on the most vital parts of crops. The original shaded leaves are re-used for photosynthesis, which stimulates the Growth potential of the plants and is suitable for the cultivation of tall plants such as tomatoes, cucumbers and roses.



1. Low cost two-way lighting plant grow light
2. LED interlighting Module for high-wire plants such as tomatoes and cucumbers, and between the plants Fill light.
3. Low temperature rise, surface temperature rise T_c 18°K, will not burn the blade.
4. Waterproof IP65
5. High efficiency 2.5 μ mol/J
6. The preferred plant light spectrum, Customize the spectrum you need
7. Input: AC 100~277V, PF >0.9, Power: 40W
8. CE RoHS FCC

Model	Dimension	Spectral Wavelength	Photon PPFD μ mol/m ² /s Single-sided luminescence data	Luminous flux Radiation Power	Power Input	Comment
RX-T8-2D	Φ 26mm L1200mm	6K2R6	229 μ mol @0.1m 9243Lx	3517Lm 90 μ mol/s	39W	Double-sided illumination, 2.3 μ mol/J Maximum connection 15pcs
			108 μ mol @0.2m 4235Lx			
			40 μ mol @0.5m 1557Lx			
RX-T8-2DV	Φ 26mm L1200mm	6K2R6	230 μ mol @0.1m 8880Lx	3692Lm 95 μ mol/s	39W	V-type double light bar, 2.4 μ mol/J Maximum connection 15pcs
			122 μ mol @0.2m 4711Lx			
			49 μ mol @0.5m 1950Lx			

Surface temperature rise T_c 18 °K

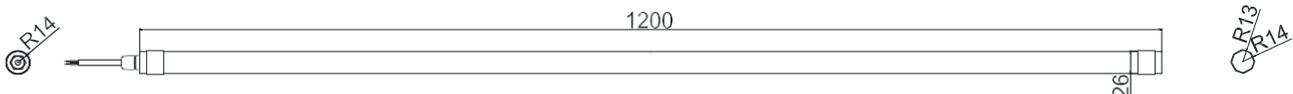
Operating temperature: -30 °C ~ 40 °C, Life: 35,000 hours (Note: T_a 25 °C)

Tolerance range for optical and electrical data: \pm 10%

Illumination angle 120°, Recommended irradiation distance 0.1~0.5 m,

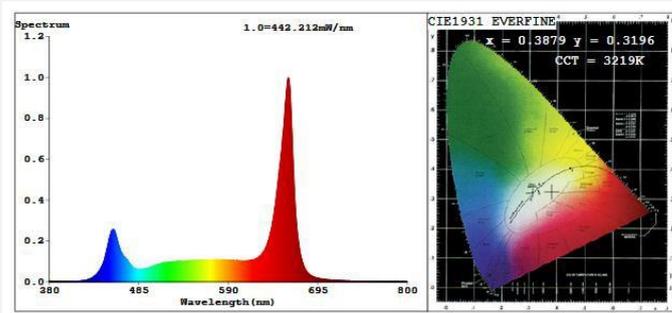
The above data is for reference only! Subject to change without notice

Dimension:



Unit: mm

● Testing report



Color Parameters:

Chromaticity Coordinate: $x=0.3879$ $y=0.3196$ $u'=0.2561$ $v'=0.4747$
 CCT=3219K (Duv=-0.0309) Dominant WL:Ld =-495.0nm Purity=17.6%
 Ratio:R=27.4% G=67.4% B=5.2% Peak WL:Lp=660.3nm FWHM=18.4nm
 Render Index:Ra=63.1 AvgR=55.6
 R1 =57 R2 =74 R3 =92 R4 =64 R5 =57 R6 =74 R7 =74
 R8 =13 R9 =0 R10=45 R11=58 R12=41 R13=59 R14=94 R15=33

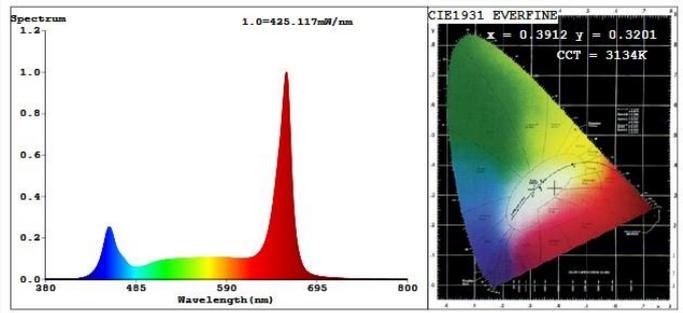
Photo Parameters:

Flux = 3692 lm Eff. : 95.29 lm/W Fe = 19.33 W
 Scotopic:7124.5 S/P:1.9299
 Photosynthetic:PPF:95.055umol/s PAR WATT:19140mW(400-700nm)

Electrical parameters:

V = 231.48 V I = 0.1756 A P = 38.74 W PF = 0.9531
 LEVEL:OUT WHITE:OUT

RX-T8-2D PPF output Test



Color Parameters:

Chromaticity Coordinate: $x=0.3912$ $y=0.3201$ $u'=0.2582$ $v'=0.4755$
 CCT=3134K (Duv=-0.0312) Dominant WL:Ld =-494.6nm Purity=18.7%
 Ratio:R=27.8% G=67.2% B=5.0% Peak WL:Lp=659.6nm FWHM=18.2nm
 Render Index:Ra=62.3 AvgR=54.9
 R1 =57 R2 =74 R3 =91 R4 =63 R5 =56 R6 =74 R7 =73
 R8 =12 R9 =0 R10=44 R11=56 R12=40 R13=58 R14=93 R15=32

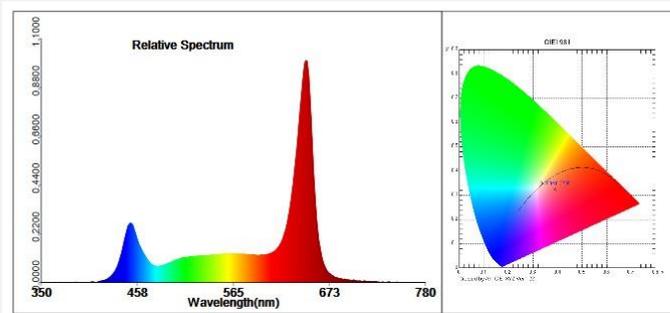
Photo Parameters:

Flux = 3517 lm Eff. : 89.87 lm/W Fe = 18.27 W
 Scotopic:6686.2 S/P:1.9013
 Photosynthetic:PPF:90.032umol/s PAR WATT:18126mW(400-700nm)

Electrical parameters:

V = 231.63 V I = 0.1774 A P = 39.13 W PF = 0.9521
 LEVEL:OUT WHITE:OUT

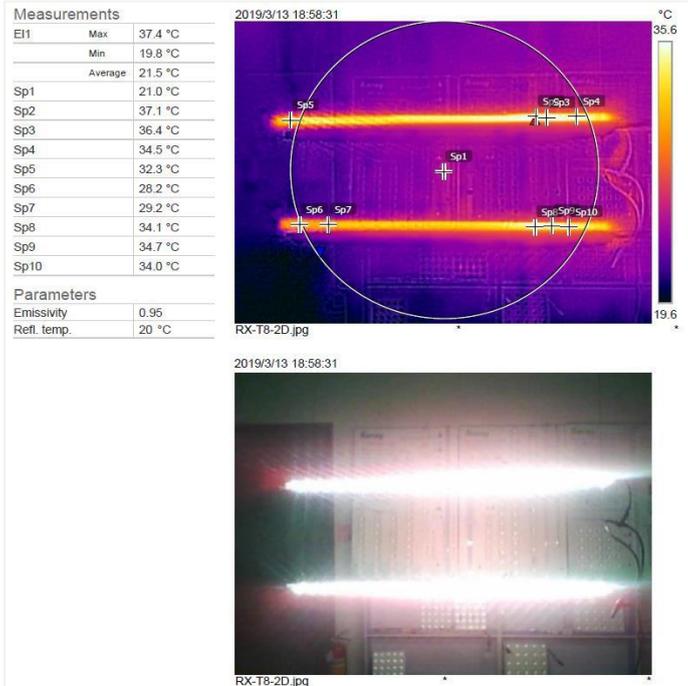
RX-T8-2DV PPF output Test



Test parameter:

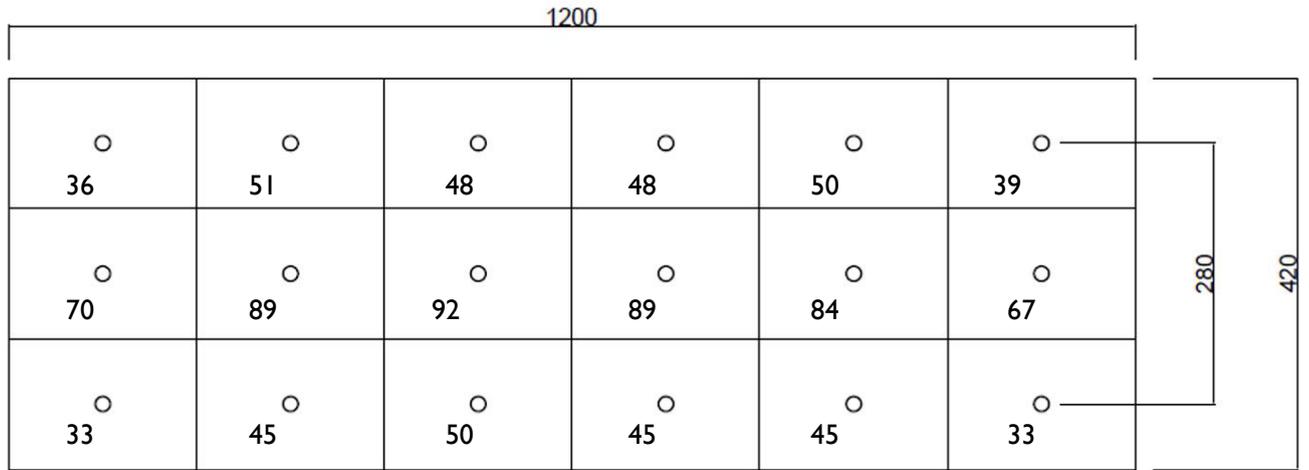
E= 4235.4 lx E(fc)=393.625 fc
 CIE x= 0.3904 CIE y= 0.3235 CIE u'=0.2559 CIE v'=0.4772
 Tc=3197 K Lp=661.0 nm HW=22.2 nm Ld=700.0 nm
 Pur=14.2 % Ratio_R=27.3 % Ratio_G=67.6 % Ratio_B=5.1 %
 Duv=-0.02929
 Ra=64.7 R1= 59 R2= 75 R3= 92
 R4= 66 R5= 58 R6= 75 R7= 75
 R8= 17 R9=-87 R10= 48 R11= 60
 R12= 44 R13= 61 R14= 94 R15= 36
 SDCM=28.2(3500K/White)
 White Class:OUT
 E1=21.723 W/m2 E2=21.861 W/m2 PPF=108.03 umol/(m·s)
 Ech-A=7.1219 W/m2 Ech-B=4.4877 W/m2 Ef=0.13792 W/m2
 Eb=3.8026 W/m2 Ey=5.1096 W/m2 Er=12.82 W/m2
 Ep=19.21 Wphyto/m2 Erb_Ratio=3.3713
 PPFDI=8.3044E-001 umol/(m2·s)

RX-T8-2D Single-sided PPF Test 0.2m



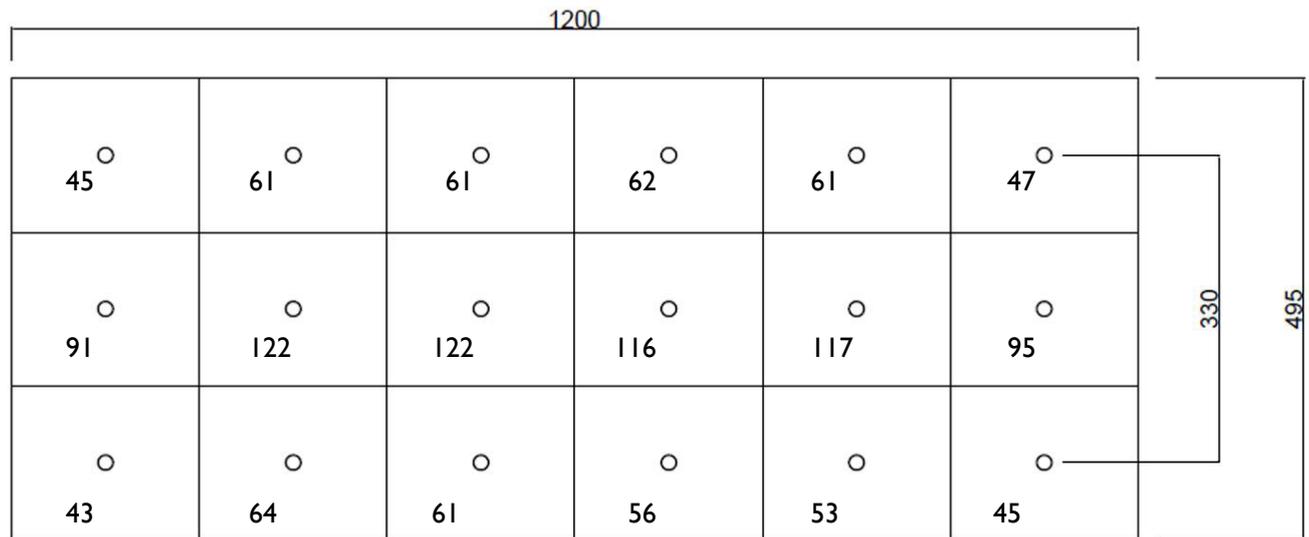
RX-T8-2D Temperature test

- 0.2 m height, 18-point PPFD test



UNIT:mm

Test height 0.2m
 RX-T8-2D Single-sided PPFDT
 average value: 56 μ mol/m²/s



UNIT: mm

Test height 0.2m
 RX-T8-2DV PPFDT
 average value: 77 μ mol/m²/s

Electrical installation instructions

1. When open the package, please check whether the inside is including product, accessory, label, certificate quality. And please as that that light is perfect without any damage.
2. The wires of LED Light is two-core, brown wire is live line, blue wire is null 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. Led grow light housing insulation, if damaged, it is forbidden to use.
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 keep 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.