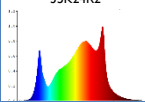
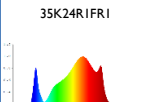


Description:

RX-G1910-90 Reflector protection and Waterproof LED quantum board, Has applied for multinational patents! high PAR output grow tent medicinal grow light module kit for Balanced growth. Samsung LM301 high efficiency led chip, and add the German brand horticulture LED deep red 660 nm, Far red 730nm(FI6 spectrum). More effective spectra for medicinal plants, full spectrum is Ideal Medicinal plants LED grow light which can obviously improve the quality and harvest. Suitable for basement planting, plant tent planting, experimental planting and greenhouse planting.



1. 90 Type Reflective cup protection, PPF efficiency up to 3.0 $\mu\text{mol/J}$
2. 90D Type unique lens structure- high efficiency concentrating, uniform spectral radiation, direct illumination, higher light utilization,
3. Waterproof LED quantum board High efficiency grow light module kit,
4. Samsung LM301 and German brand gardening LED
5. Aluminum substrate size: 11"x7.1" (285x180mm)
6. Can be customized the size, power, spectrum, PAR output, PPFD output as you need.
7. Lifespan 50,000 hours
8. CE RoHS FCC.

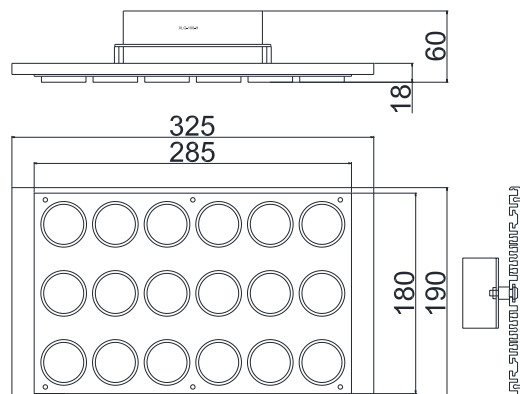
Model	Dimension LxWxH	Spectral Wavelength	Photon PPFD $\mu\text{mol/m}^2/\text{s}$	Luminous flux Radiation Power	Power Test Input	Comment
RX-G1910-90-KI -FI5	325x190x70mm 12.8"x7.5"x 2.8"	F15 	2092 μmol @0.2m 129100Lx	18000Lm 270 $\mu\text{mol/s}$	120W AC230V	16"x16" grow tents XLG-150-H-AB (Optional Meanwell HLG-120-H)
			1069 μmol @0.3m 65597Lx			
			416 μmol @0.5m 25449Lx			
RX-G1910-90D- KI-FI6	325x190x70mm 12.8"x7.5"x 2.8"	F16 	2400 μmol @0.2m 159353Lx	20000Lm 300 $\mu\text{mol/s}$	120W AC230V	16"x16" grow tents XLG-150-H-AB (Optional Meanwell HLG-120-H)
			1229 μmol @0.3m 80975Lx			
			466 μmol @0.5m 30700Lx			

Surface temperature rise T_c 28°K, Operating temperature: -30°C~40°C, Lifespan: 50,000 hours (Note: T_a 25°C) Tolerance range for optical and electrical data: $\pm 10\%$.

Beam angle 90°, Recommended irradiation distance: 0.2~0.5m

The above data is for reference only!

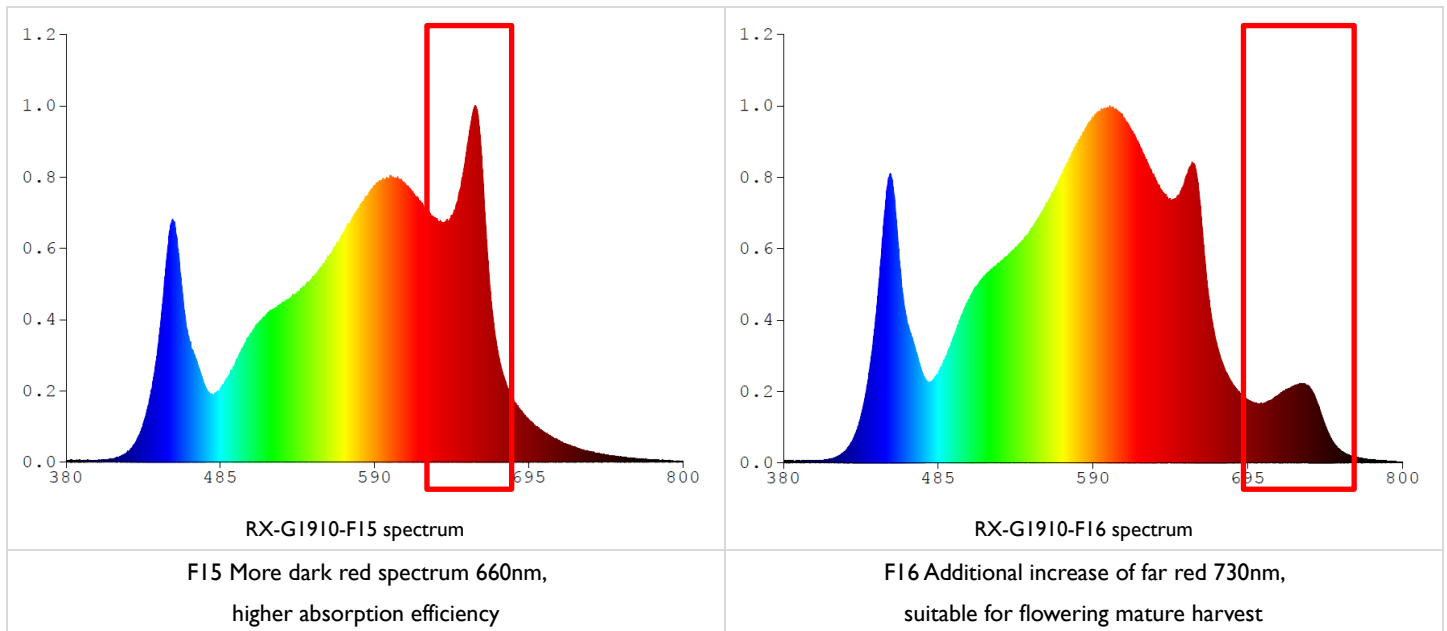
Dimension:



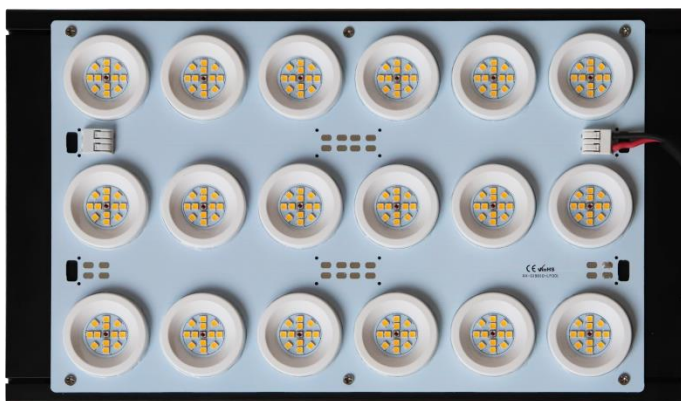
Unit: mm

RX-G1910-90-KI-90D

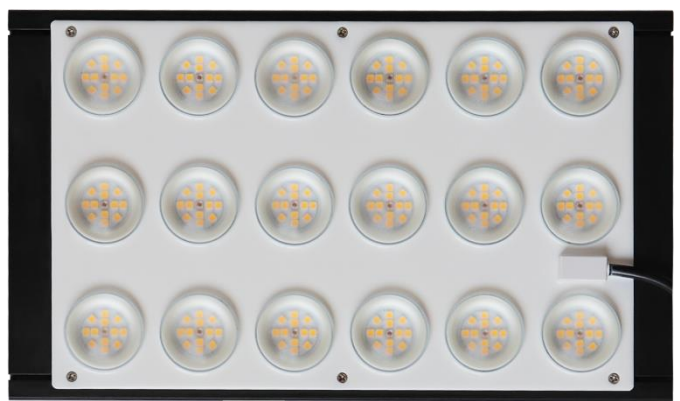
- Preferred plant spectrum, F15 more dark red spectrum 660nm, F16 additional far red light 730nm, more suitable for medicinal plant growth



- Reflector cup protection, high reliability; (Optional lens reflector cup 90D, waterproof grade IP65)

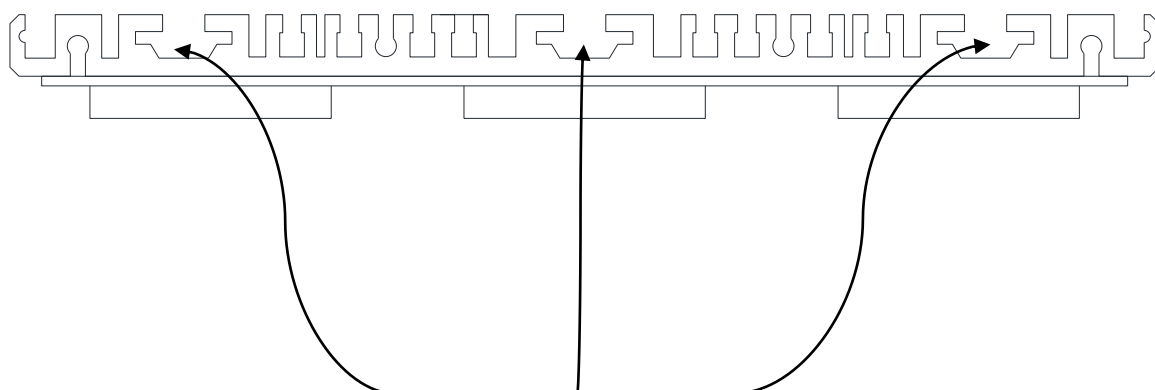


RX-G1910-90 Reflective cup protection



RX-G1910-90D Lens Reflector Cup Waterproof IP65

- Multiple mounting slots, compatible with European standard M5 T-bolts, easy to expand and install



M5 T-bolt Aluminum profile mounting slot

- Free T type bolts, stainless steel rings, easy to hang



Stainless steel ring buckle: 4pcs



Wire rope hook: 4pcs

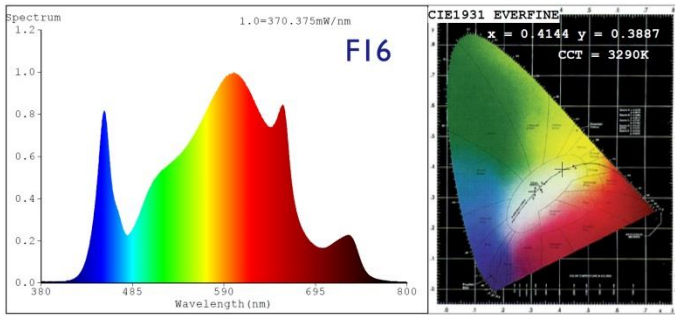


snap hook: 1pcs



Tie band: 4pcs

PPF testing report



Color Parameters:

Chromaticity Coordinate: x=0.4144 y=0.3887/u'=0.2425 v'=0.5118
CCT=3290K (Duv=-0.0028) Dominant WL:Ld =582.8nm Purity=41.0%
Ratio:R=21.7% G=75.1% B=3.1% Peak WL:Lp=601.3nm FWHM=155.6nm
Render Index:Ra=86.9 AvgR=82.5
R1 =86 R2 =93 R3 =97 R4 =85 R5 =86 R6 =91 R7 =87
R8 =70 R9 =31 R10=85 R11=85 R12=74 R13=88 R14=99 R15=81

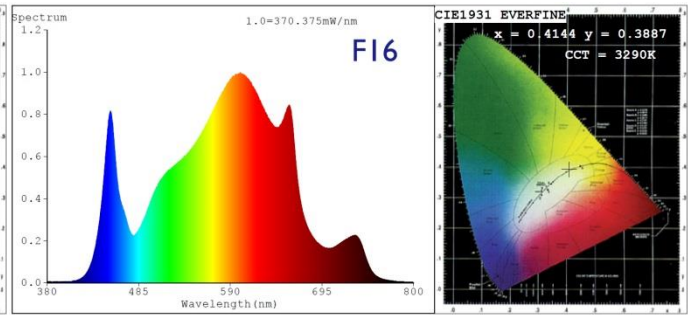
Photo Parameters: 286µmol/J 105w

Flux = 19361 lm Eff. : 183.63 lm/W Fe = 63.55 W
Scotopic:29108 S/P:1.5035
Photosynthetic:PPF:286.38µmol/s PAR WATT:59806mW(400-700nm)

Electrical parameters:

V = 37.670 V I = 2.799 A P = 105.4 W PF = 1.000
LEVEL:OUT WHITE:ANSI_3500K

RX-GI910-90-FI6 2.8A PAR Test



Color Parameters:

Chromaticity Coordinate: x=0.4145 y=0.3884/u'=0.2427 v'=0.5117
CCT=3284K (Duv=-0.0029) Dominant WL:Ld =582.9nm Purity=41.0%
Ratio:R=21.8% G=75.0% B=3.2% Peak WL:Lp=601.3nm FWHM=153.9nm
Render Index:Ra=86.9 AvgR=82.6
R1 =86 R2 =94 R3 =96 R4 =85 R5 =87 R6 =92 R7 =86
R8 =69 R9 =31 R10=86 R11=86 R12=74 R13=88 R14=99 R15=81

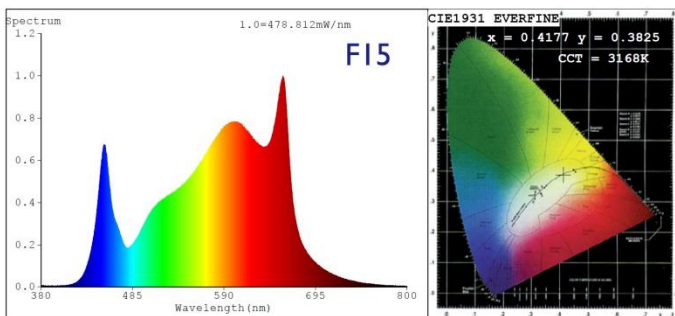
Photo Parameters: 108µmol/J 35.6w

Flux = 7304 lm Eff. : 205.28 lm/W Fe = 23.93 W
Scotopic:11023 S/P:1.5092
Photosynthetic:PPF:107.84µmol/s PAR WATT:22527mW(400-700nm)

Electrical parameters:

V = 35.620 V I = 0.9990 A P = 35.58 W PF = 1.000
LEVEL:OUT WHITE:ANSI_3500K

RX-GI910-90-FI6 1A PAR Test



Color Parameters:

Chromaticity Coordinate: x=0.4177 y=0.3825/u'=0.2474 v'=0.5096
CCT=3168K (Duv=-0.0061) Dominant WL:Ld =584.8nm Purity=40.1%
Ratio:R=22.9% G=74.0% B=3.2% Peak WL:Lp=657.7nm FWHM=120.4nm
Render Index:Ra=90.5 AvgR=87.8
R1 =90 R2 =96 R3 =97 R4 =89 R5 =91 R6 =93 R7 =89
R8 =79 R9 =55 R10=91 R11=89 R12=80 R13=92 R14=99 R15=88

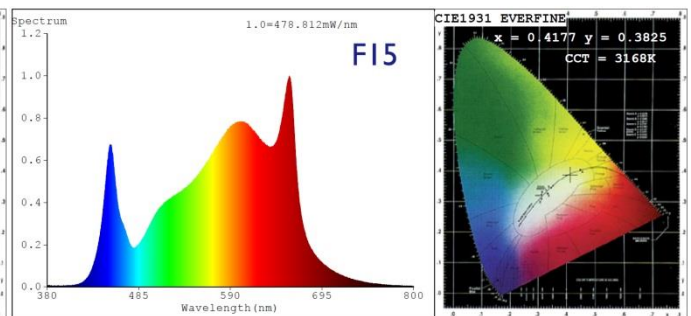
Photo Parameters: 309µmol/J 105.5w

Flux = 19791 lm Eff. : 187.66 lm/W Fe = 65.62 W
Scotopic:29649 S/P:1.4981
Photosynthetic:PPF:309.33µmol/s PAR WATT:64204mW(400-700nm)

Electrical parameters:

V = 37.680 V I = 2.799 A P = 105.5 W PF = 1.000
LEVEL:OUT WHITE:ANSI_3000K

RX-GI910-90-FI5 2.8A PAR Test



Color Parameters:

Chromaticity Coordinate: x=0.4190 y=0.3832/u'=0.2479 v'=0.5101
CCT=3149K (Duv=-0.0060) Dominant WL:Ld =584.8nm Purity=40.7%
Ratio:R=23.0% G=73.7% B=3.2% Peak WL:Lp=656.0nm FWHM=114.5nm
Render Index:Ra=90.6 AvgR=88.1
R1 =91 R2 =96 R3 =96 R4 =89 R5 =91 R6 =94 R7 =89
R8 =79 R9 =55 R10=92 R11=90 R12=79 R13=93 R14=99 R15=88

Photo Parameters: 117µmol/J 35.8w

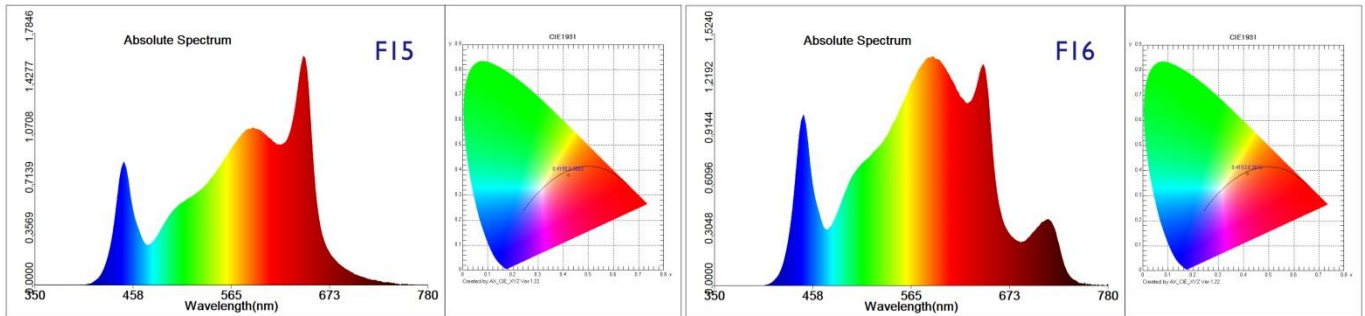
Flux = 7510 lm Eff. : 209.76 lm/W Fe = 24.73 W
Scotopic:11246 S/P:1.4976
Photosynthetic:PPF:116.55µmol/s PAR WATT:24199mW(400-700nm)

Electrical parameters:

V = 35.840 V I = 0.9990 A P = 35.80 W PF = 1.000
LEVEL:OUT WHITE:ANSI_3000K

RX-GI910-90-FI5 1A PAR Test

● PPFD & Surface temperature testing report



Test parameter:

E= 65597.2 lx E(fc)=6096.39 fc
 CIE x= 0.4195 CIE y= 0.3803 CIE u'=0.2496 CIE v'=0.5090
 Tc=3112 K Lp=658.0 nm HW=111.2 nm Ld=585.6 nm
 Pur=40.0 % Ratio_R=23.3 % Ratio_G=73.5 % Ratio_B=3.2 %
 Duv=-0.00732
 Ra=92.2 R1= 92 R2= 97 R3= 97
 R4= 90 R5= 93 R6= 94 R7= 91
 R8= 84 R9= 68 R10= 93 R11= 91
 R12= 84 R13= 94 R14= 99 R15= 91
 SDCM=10.6(3500K/White)
 White Class:OUT
 E1=220.61 W/m2 E2=224.42 W/m2 PPFD=1068.6 μmol/(m·s)
 Ech-A=43.027 W/m2 Ech-B=40.98 W/m2 Ef=3.6991 W/m2
 Eb=35.659 W/m2 Ey=85.821 W/m2 Er=99.306 W/m2
 Ep=196.34 Wphyto/m2 Erb_Ratio=2.7849
 PPFDf=2.2382E+001 μmol/(m2·s)

1069 μmol/m²/s

Test parameter:

E= 80974.6 lx E(fc)=7525.52 fc
 CIE x= 0.4153 CIE y= 0.3872 CIE u'=0.2437 CIE v'=0.5113
 Tc=3259 K Lp=599.0 nm HW=158.2 nm Ld=583.3 nm
 Pur=40.8 % Ratio_R=21.9 % Ratio_G=74.9 % Ratio_B=3.2 %
 Duv=-0.00357
 Ra=87.8 R1= 87 R2= 94 R3= 97
 R4= 86 R5= 87 R6= 91 R7= 88
 R8= 73 R9= 39 R10= 86 R11= 86
 R12= 77 R13= 89 R14= 99 R15= 83
 SDCM= 5.0(3500K/White)
 White Class:OUT
 E1=255.81 W/m2 E2=274.22 W/m2 PPFD=1229.1 μmol/(m·s)
 Ech-A=42.915 W/m2 Ech-B=46.692 W/m2 Ef=18.108 W/m2
 Eb=42.759 W/m2 Ey=108 W/m2 Er=105.26 W/m2
 Ep=229.13 Wphyto/m2 Erb_Ratio=2.4618
 PPFDf=1.1056E+002 μmol/(m2·s)

1229 μmol/m²/s

RX-GI910-90-KI-F15 120W 0.3m PPFD Output Test

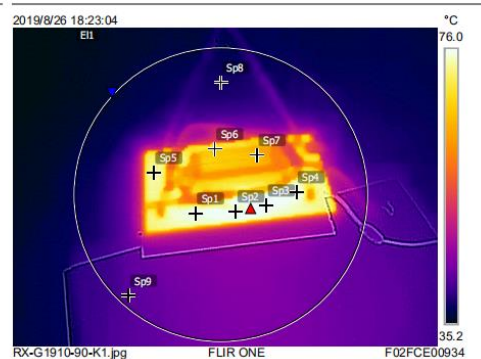
RX-GI910-90-KI-F16 120W 0.3m PPFD Output Test

Measurements		
E11	Max	74.2 °C
	Min	36.2 °C
	Average	42.3 °C
Sp1		71.8 °C
Sp2		73.4 °C
Sp3		74.1 °C
Sp4		73.7 °C
Sp5		73.1 °C
Sp6		41.9 °C
Sp7		36.5 °C
Sp8		36.8 °C
Parameters		
Emissivity		0.9
Refl. temp.		22 °C
Geolocation		
Compass		0° N



RX-GI910-90-KI-F15 120W Surface temperature test

Measurements		
E11	Max	76.6 °C
	Min	35.5 °C
	Average	44.0 °C
Sp1		75.8 °C
Sp2		75.6 °C
Sp3		76.4 °C
Sp4		75.6 °C
Sp5		74.2 °C
Sp6		69.4 °C
Sp7		64.9 °C
Sp8		35.9 °C
Sp9		36.7 °C
Parameters		
Emissivity		0.9
Refl. temp.		22 °C
Geolocation		
Compass		0° N



RX-GI910-90-KI-F16 120W Surface temperature test