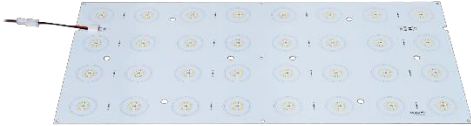


Description: RX-GW45-580285 Vertical Agriculture plant grow light module, It is a plant crop-specific LED module. For multi-layer plant planting boxes and vertical agricultural planting. Energy efficient, Up to 3.6umol per joule; High power, the drive current determines the power value, Maximum power 150W, at 3.7A. suitable for vertical agricultural planting small vegetables and fruits, leafy vegetables, basil, vanilla, strawberries, tomatoes, etc., suitable for indoor planting, experimental planting.

1. High PPF efficiency, 3.6umol/J at 26W R6BI
2. Vertical Agriculture plant light module, suitable for shelf structure plant factory
3. The illumination angle is 120° and the illumination area is wide
4. Optional lens 90° or 60° to increase PPF
5. Preferred light-recipe, suitable for most plants.
6. Not waterproof, (optional Conformal Coated, or lens protection)
7. Maximum drive current is 3.7A, input voltage is 27-42V
8. CE RoHS FCC



Model	Dimension LxWxH	Spectral Wavelength	Photon PPF $\mu\text{mol}/\text{m}^2/\text{s}$	Luminous flux PAR Output	Power Input	Comment
RX-GW45-580285 -F2	580x285x3mm	F2	418 μmol @0.1m 27405Lx 183 μmol @0.3m 12016Lx	Flux 6862Lm PPF: 107 $\mu\text{mol}/\text{s}$	0.96A @36.5V 35W	3.1 $\mu\text{mol}/\text{J}$
			859 μmol @0.1m 56338Lx 373 μmol @0.3m 24554Lx	Flux 13294Lm PPF: 208 $\mu\text{mol}/\text{s}$	2A @38.2V 76W	2.7 $\mu\text{mol}/\text{J}$ T _{cp} 25°C
			1250 μmol @0.1m 543 μmol @0.3m 35743Lx	Flux 19168Lm PPF: 301 $\mu\text{mol}/\text{s}$	3A @40V 120W	Install a heat sink!
RX-GW45-580285 -R6BI	580x285x3mm	R6BI	330 μmol @0.1m 139 μmol @0.3m 1918Lx	Flux 1290Lm PPF: 95 $\mu\text{mol}/\text{s}$	0.96A @27.3V 26W	3.6 $\mu\text{mol}/\text{J}$
			670 μmol @0.1m 295 μmol @0.3m 4002Lx	PPF:180 $\mu\text{mol}/\text{s}$	2A @28.8V 58W	3.1 $\mu\text{mol}/\text{J}$
			990 μmol @0.1m 211 μmol @0.5m 2769Lx	PPF:266 $\mu\text{mol}/\text{s}$	3A @30V 90W	Install a heat sink!

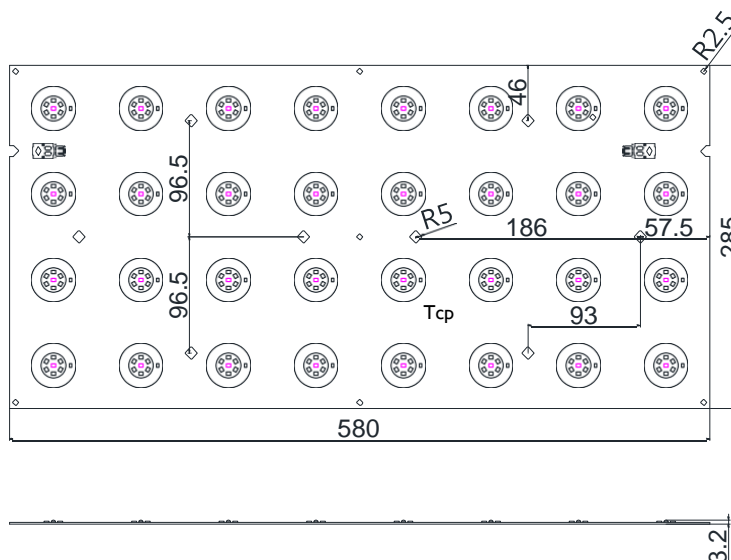
Tolerance range for optical and electrical data: $\pm 10\%$

Operating temperature: -30 °C ~ 40°C , Life: 50,000 hours (Note:T_{cp} < 55 °C)

Drive current >2A, please install a heat sink to ensure that the T_{cp} temperature does not exceed 65°C

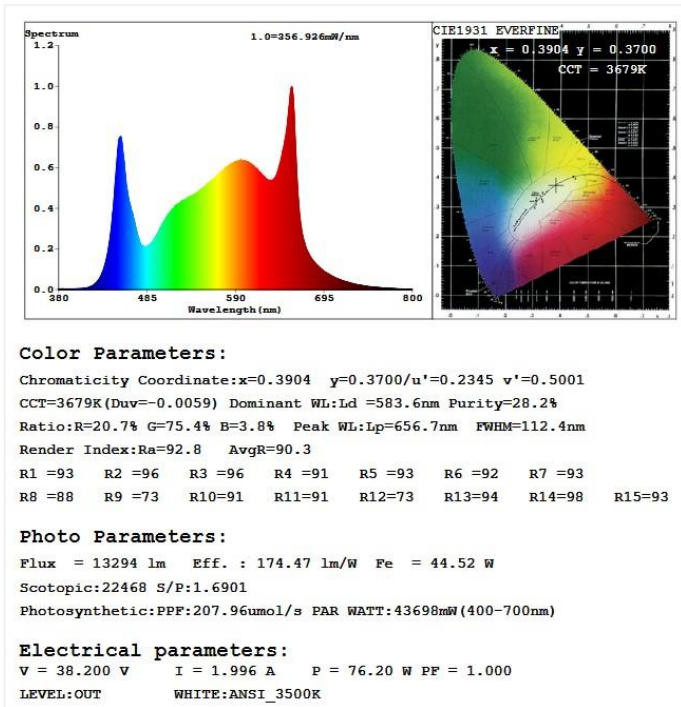
The above data is for reference only! Subject to change without notice

Dimension:

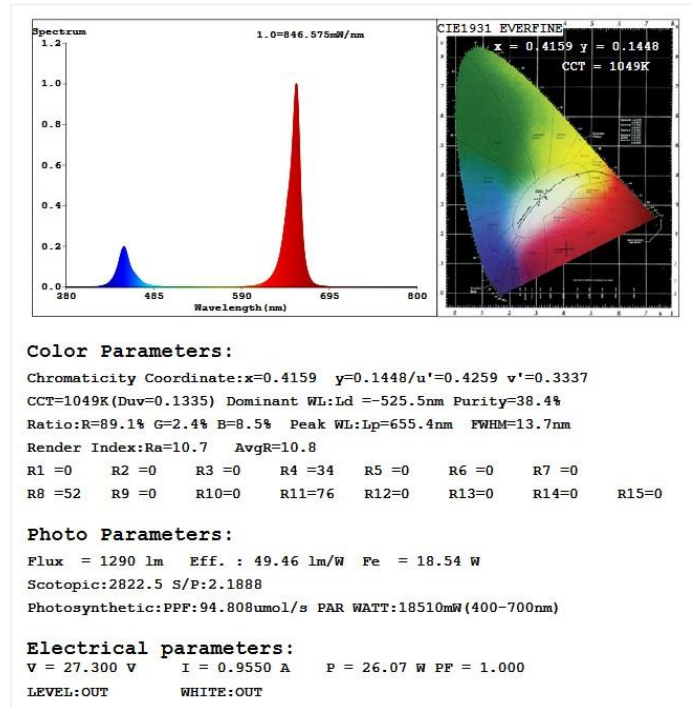


Unit: mm

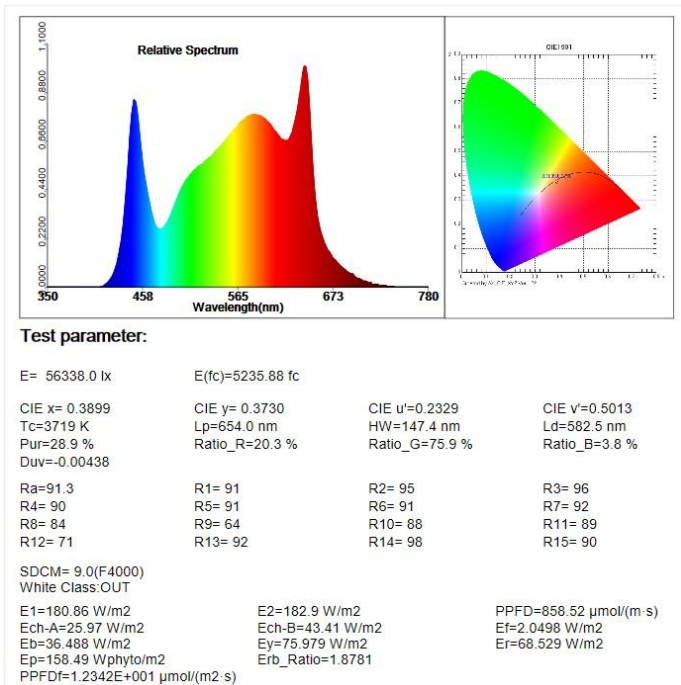
Testing report



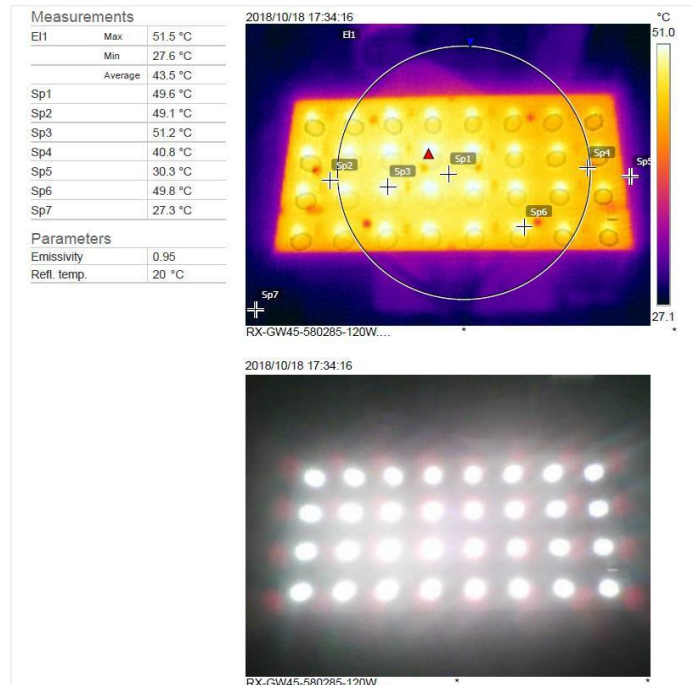
F2 76W PPF PAR TEST



R6BI 26W PPF PAR TEST



F2 76W 0.1m PPFD TEST



3A I20W Surface temperature Test