



Warning



The heat transfer of the radiator during the operation of the fixture will make the aluminum plate temperature very high (maximum $>60^{\circ}\text{C}/140^{\circ}\text{F}$), please do not touch the fixture. It is necessary to turn off the lights and carry out maintenance after cooling.

1. Please do not power on before installation, and read the user manual and precautions first.
2. Please be installed by qualified electrician in accordance with local electrical codes or standards.
3. It is recommended that the working environment temperature should not exceed 35°C .
4. Do not put the heat insulation on the fixture, and pay attention to ventilation and heat dissipation.
5. When the fixture flickers or does not light after energizing, please cut off the power first, and then check the line or installation problem by professional electrician. Non-installation line problem, please consult the dealer to return to the factory for maintenance and do not repair by yourself so as not to apply for after-sales service.



This product cannot be discarded as household waste. The components associated with this product are recyclable and disposed of in an appropriate manner, which will help to prevent risks to the environment and public health that may result from improper disposal. Recycling materials helps to protect natural resources



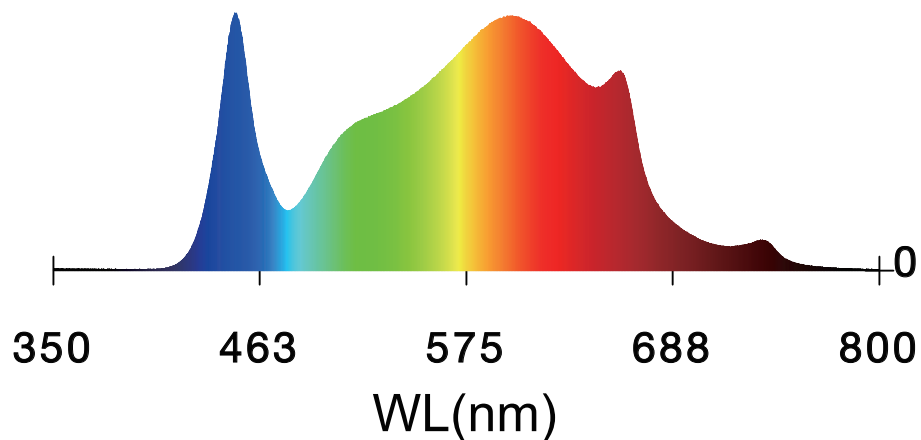
LED PANEL GROW LIGHT



Parameter

Module	ML-TRT10000	ML-TRT20000	ML-TRT45000	ML-TRT60000
Input Power	100±5%W	200±5%W	450±5%W	600±5%W
PPF	270±5% μmol/s	540±5% μmol/s	1215±5% μmol/s	1620±5% μmol/s
Efficacy	2.7 μ mol/J	2.7 μ mol/J	2.7 μ mol/J	2.7 μ mol/J
Input Voltage	100-277V AC	100-277V AC	100-277V AC	100-277V AC
Weight	1.72kg 3.8lbs	3.25kg 7.1lbs	6.22kg 13.7lbs	9.5kg 20.9lbs
Emitting Angle	120°	120°	120°	120°
Certifications	IP65	IP65	IP65	IP65
Power Factor	≥0.98	≥0.98	≥0.98	≥0.98
LED Lifetime	54,000hrs	54,000hrs	54,000hrs	>54,000hrs
Warranty	3 Year	3 Year	3 Year	3 Year

Full Spectrum



Advice for growth:

1. Photosynthetic rate and transpiration rate are directly affected by temperature, humidity and airflow.
2. Humidity between 75-85, humidity is between 50% and 70%, there is plenty of air flow replenish carbon dioxide. Is 6-6.5 PH value. You can add more calcium and magnesium than you normally need.

Product features

LED driver:

Selecting INVENTRONICS driver, and universal single-phase power supply (100-277VAC) is adopted to meet the needs of different regions to the greatest extent, and ensure that the fluctuation of the power network will not affect the life of LED fixture.



LED chips:

Selecting imported SAMSUNG/SEOUL/OSRAM LED chips, the light efficiency is up to 2.7μmol/j, providing abundant photons for plants, and the lifetime of 54,000Hrs is worry-free.



The dimming function:

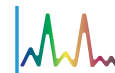
It has three dimming modes of 0-10V & dimmer, and provides dimming controller with single control and group control functions. It can support up to 25pcs fixtures in series dimming to meet the needs of different planting customers.



0-10V & dimmer

Professional customized indoor efficient planting full spectrum solution:

The 4000K high-visibility light source is selected to provide solar spectrum, which is rich in wavelengths required for plant growth and has more red light, which is more comfortable for human eyes. An increase of 660nm can effectively promote better propagation, flowering and fruit of plants, and contains a small amount of 730nm photons to accelerate the growth of plants.



Application environment:

can be used in warehouse, grow tent and other dry or wet planting environment.



Product function protection and guarantee:

The LED fixture is equipped with short circuit, over current, over voltage, over temperature and over power protection, and all of them have the function of automatic recovery after troubleshooting, with high level of lightning and surge protection, and has a metal shell IP65 degree of protection, the fixtures can steadily work normally under harsh environment, let you safe and secure to use. Products using the global patent protection of the core technology solutions, can be sold & used in countries/regions without obstruction.



Heat dissipation performance:

Selecting 4.0 highly purified aluminum plate + 2.0 high thermal conductivity substrate. Large heat dissipation area to effectively ensure rapid heat dissipation, through strict test configuration, to provide cost-effective heat dissipation scheme and meet customer planting needs.

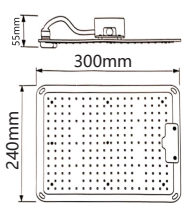


Dimensions

Module: TRT10000

Single package size:
300x240x55mm(L*W*H)

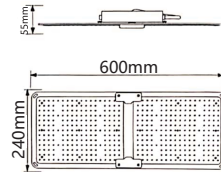
Outer carton size:
368x297x87mm(L*W*H)



Module: TRT20000

Single package size:
600x240x55mm(L*W*H)

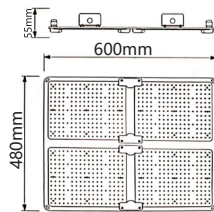
Outer carton size:
670x289x87mm(L*W*H)



Module: TRT40000

Single package size:
600x480x55mm(L*W*H)

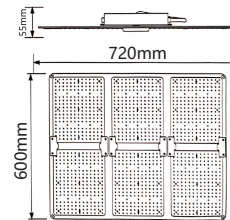
Outer carton size:
670x529x87mm(L*W*H)



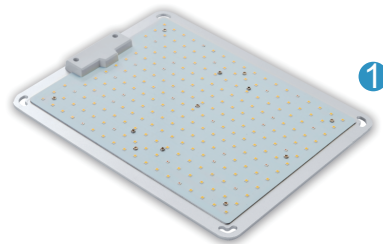
Module: TRT60000

Single package size:
720x600x55mm(L*W*H)

Outer carton size:
720x650x100mm(L*W*H)



Preparation



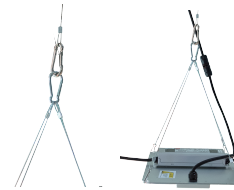
1. LED Fixture
2. Adjustable Rope Hanger
3. 120V/240V Plug
4. Dimmer (option)



Installation



Attach the 4 clips on the wire hangers onto corresponding 4 hole on the edge of the panel.



Clip the carabiner onto adjustable rope hanger. Hang up the light onto the grow tent and then adjust an appropriate height.



(Option) Adjust the output power with the Dimmer

