



The perfect lighting system for indoor plant growing

ThinkGrow series LED grow lights are the 2012 newest generation LED grow lights. They are the perfect lighting systems for indoor plant growing.

Benefits

- Save money for you, about 70% energy-saving than traditional grow lights.
- Won't need extra cooling system for your greenhouse or growroom due to its much less heat radiation than traditional grow lights.
- Long lifetime 50000h will minimize your maintenance cost.
- The light spectrum can be customized, so you can choose the ideal spectrum for your plants.

Features

- New appearance design.
- Modular design, four modules can be replaced easily.
- Equipped with LED reflector board, light utilization rate is increased.
- Three switches: one for vegetating, one for blooming, the middle one for accelerating growth. You can turn on the switches according to your planting phase.
- Interface for series connection, max 8 units connection.
- Low electricity consumption
- Optimum spectrum (colors): it is easily to add different colors into LED grow lights for plants.
- Minimal Heat: it reduces your room/building cooling system costs.
- Easy installation
- Environment friendly, no hazardous substance.
- Long Lifespan: 50,000 hours, much longer lifetime than traditional grow lights.

Application

Hydroponics, Horticulture, Greenhouse, Seeding, Seedling, Breeding, Farm, Flower Exhibition, Garden, Bonsai, etc.



<Pic1>



<Pic2>

The specifications are for reference only, actual specifications are subject to the final product.



<Pic3>



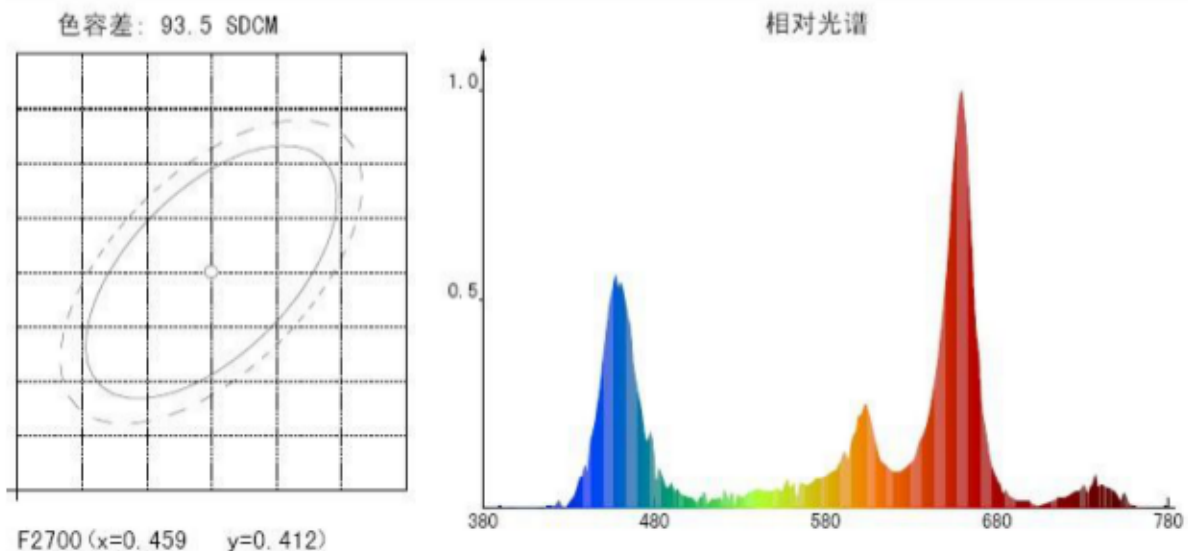
<Pic4>

Parameters

Product Name	ThinkGrow M250 LED Grow Light	Color	red660nm&red630nm &blue460&orange& white&Infra-red730nm
Part No.	LGLM250	Lifetime	50000h
Input Voltage	AC90-264V	Working Temperature	-20℃ ~+40℃
Light Source	120x2W+1X10W	Storage Temperature	-20℃ ~+65℃
Power Consumption	190W	Net Weight	5.7kg
Dimension	431x418x94mm	Packaging	48x48x18cm
Power Factor	0.94	Gross Weight	7.1kg
Luminous Flux	4000lm		
Beam Angle	90°		

Spectrum test

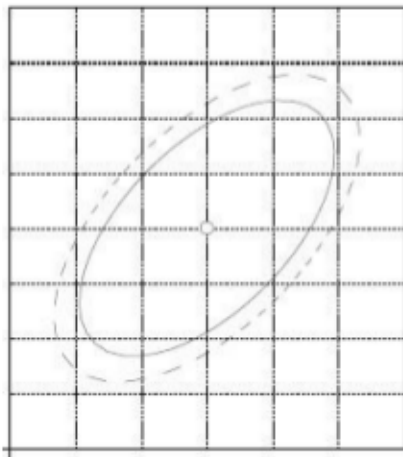
1. First switch on(back upward)



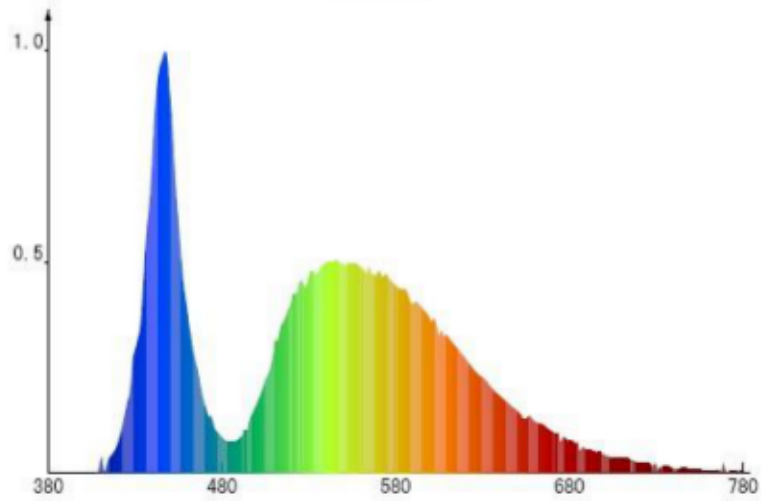
The specifications are for reference only, actual specifications are subject to the final product.

2. Middle switch on(back upward)

色容差: 74.5 SDCM

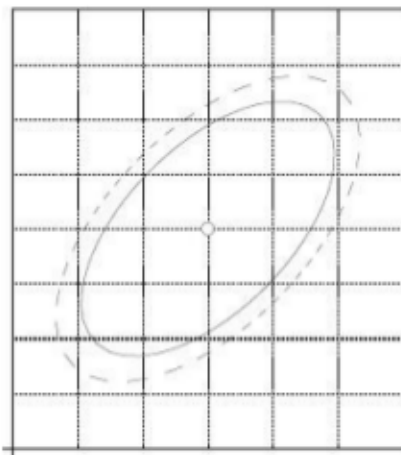


相对光谱

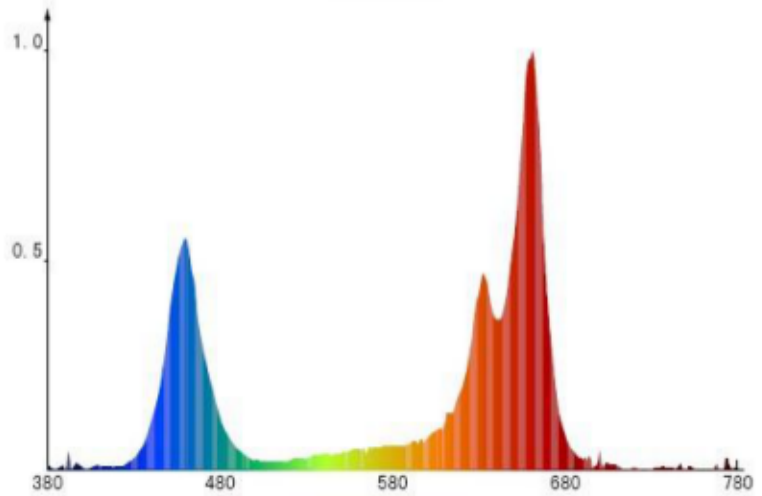


3. F2700 (x=0.459 y=0.412)

色容差: 97.2 SDCM



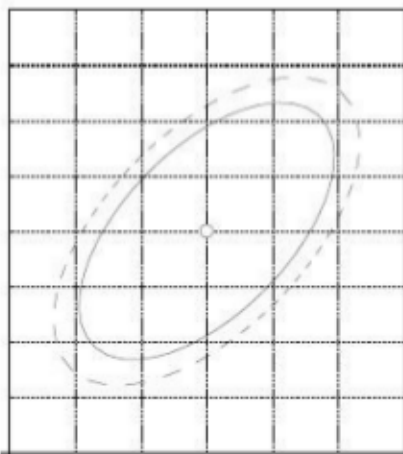
相对光谱



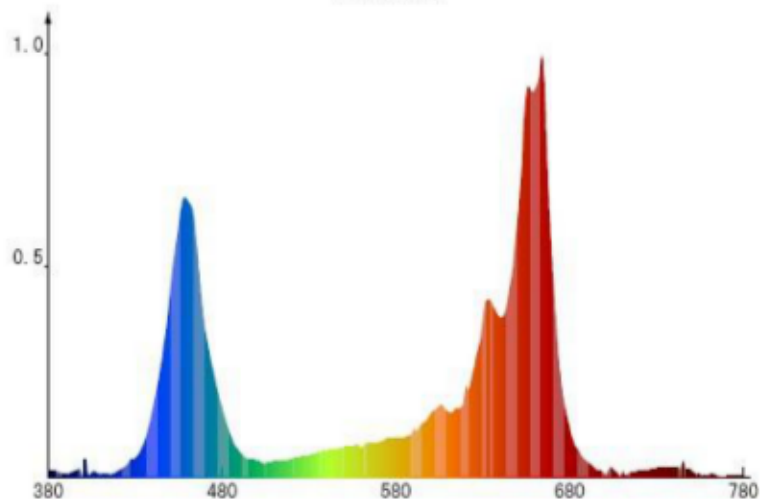
F2700 (x=0.459 y=0.412)

4. All switches on

色容差: 92.1 SDCM



相对光谱



F2700 (x=0.459 y=0.412)

Remark:

1. The color or spectrum can be customized, so you can custom the ideal spectrum according to your plants. Red and blue are the basic colors, other colors or wavelengths are available.

2. Recommended hours of light (sunlight + artificial light):

(1) Germination stage—18 hours

(2) Sprout out of the ground—16 hours

(3) Grow and start flowering stage—12 hours

The above hours are only for reference. Different plants have various needs on hours of light in different stages.

3. Recommended height for installation is 3 feet to 10 feet above plant. Increasing height will decrease light intensity and increase lighting area; decreasing height will increase light intensity and decrease lighting area. Different plants have different needs on light intensity, so you can change light intensity by adjusting the height of LED grow light according to your plants.

4. Light is only one of the factors which affect plant growth. So in order to get best growing speed, except for enough light, please supply your plants with sufficient nourishment and fitting environment.

Attention:

1. Indoor use only.

2. Turn off the power before installing the light.

3. Don't touch the surface when the light is on.

4. The installation of this light should be avoided in the heat, hot steam or corrosive gases places, so as not to affect its lifetime.

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