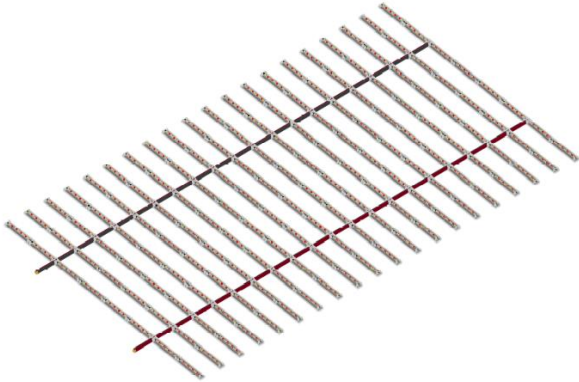


Description: RX-GB Economical LED Growth Light Curtain, LED Matrix, LED Grid, Led Ladder, New design, has applied for international patents, optional lens structure - efficient concentrating, uniform spectral radiation, directional illumination, higher light utilization, energy saving of at least 50% compared to similar LEDs; meaning using less lights to build your Vertical plant farms; Energy saving 12% (0.3m height test average value) products without lenses, PPF is more efficient and suitable for larger width planting areas; especially for plant factories with high-density shelf structures



1. Delivers an average of 320-380 $\mu\text{mol}/\text{m}^2/\text{s}$ over canopy 2.88 square meters (4'x 8' 32 square feet)
2. Economical horticulture LED Growth Light Curtain for basil strawberry and culinary herb production-propagation of vegetable and ornamental crops
3. Vertical agricultural planting lamp for shelf structure plant factory, home indoor plant farm
4. The T series adopts a conjoined lens structure, which has a higher light utilization rate and is planted on a 1.2m wide shelf. Energy saving 12% (0.3m height test average value) Patents multiple countries and regions are pending
5. High efficacy includes lens 2.3 $\mu\text{mol}/\text{J}$, no lens 2.4 $\mu\text{mol}/\text{J}$
6. Optimized full spectrum light recipes, and can be customized
7. Input voltage: DC48V, 480W, single strip power 24W
8. CE RoHS FCC

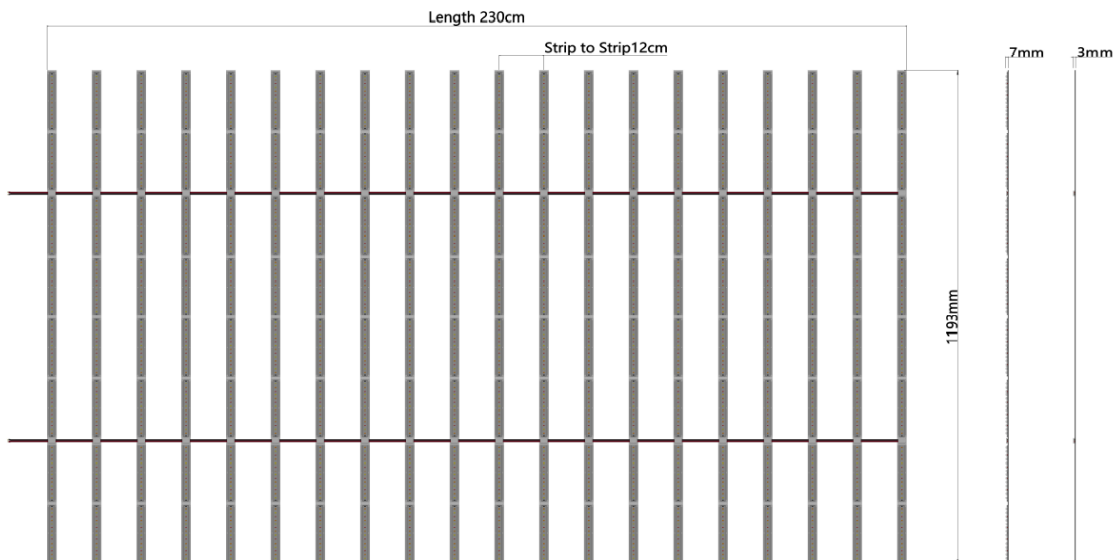
Model	Strip Dimension	Light recipes	Photon PPF $\mu\text{mol}/\text{m}^2/\text{s}$	Luminous flux Radiation Power	Power Input DC48V	Comment
RX-GB-120	1193x21x3m m	B1	418 μmol @0.15m 27148Lx	68000Lm	480W	Ra89 9000K Seedlings and Rhizome
			337 μmol @0.3m 21825Lx	1150 $\mu\text{mol}/\text{s}$		
		B2	415 μmol @0.15m 25493Lx	68000Lm	480W	Ra 95 3000K vegetative growth
			333 μmol @0.3m 20643Lx	1150 $\mu\text{mol}/\text{s}$		
RX-GB-120T	1193x21x7m m	B1	416 μmol @0.15m 26547Lx	66000Lm	480W	Ra89 9000K Seedlings and Rhizome
			368 μmol @0.3m 24526Lx	1100 $\mu\text{mol}/\text{s}$		
		B2	413 μmol @0.15m 24795Lx	66000Lm	480W	Ra 95 3000K vegetative growth
			365 μmol @0.3m 22003Lx	1100 $\mu\text{mol}/\text{s}$		

Surface temperature rise Tc 15°K , Operating temperature: -30 °C ~ 40°C , Lifespan: 50,000 hrs (Note: Ta \leq 25 ° C)

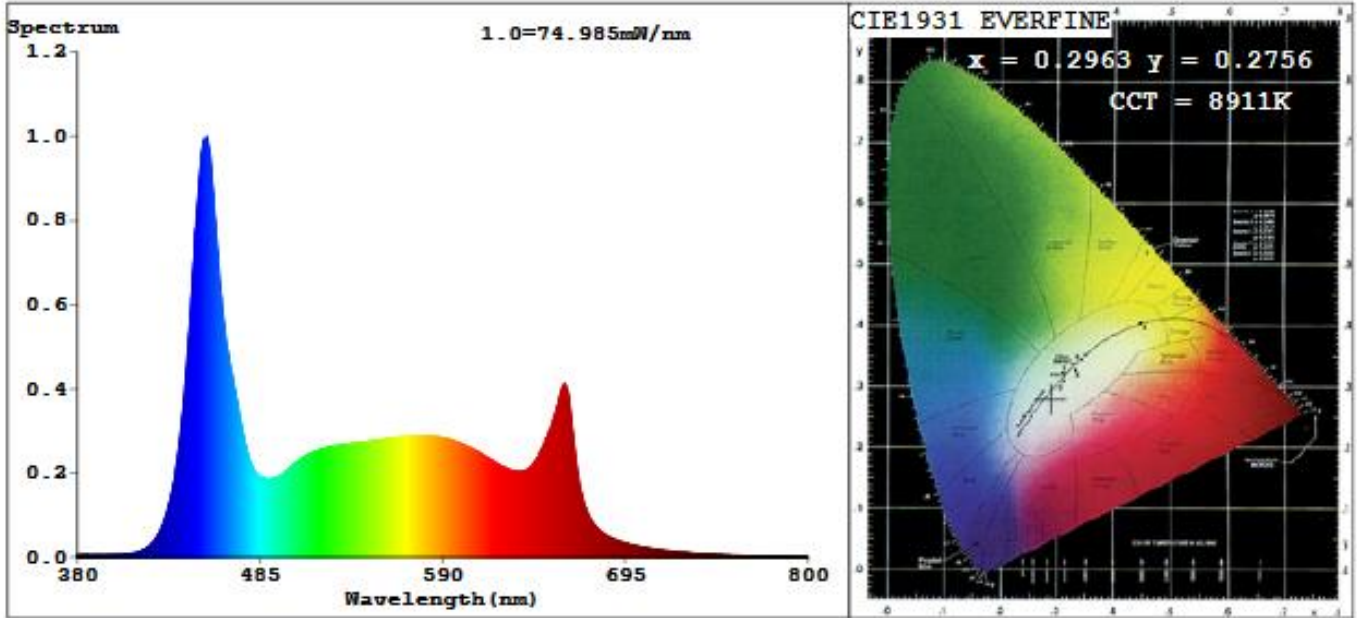
Tolerance range for optical and electrical data: $\pm 10\%$.

The above data is for reference only!

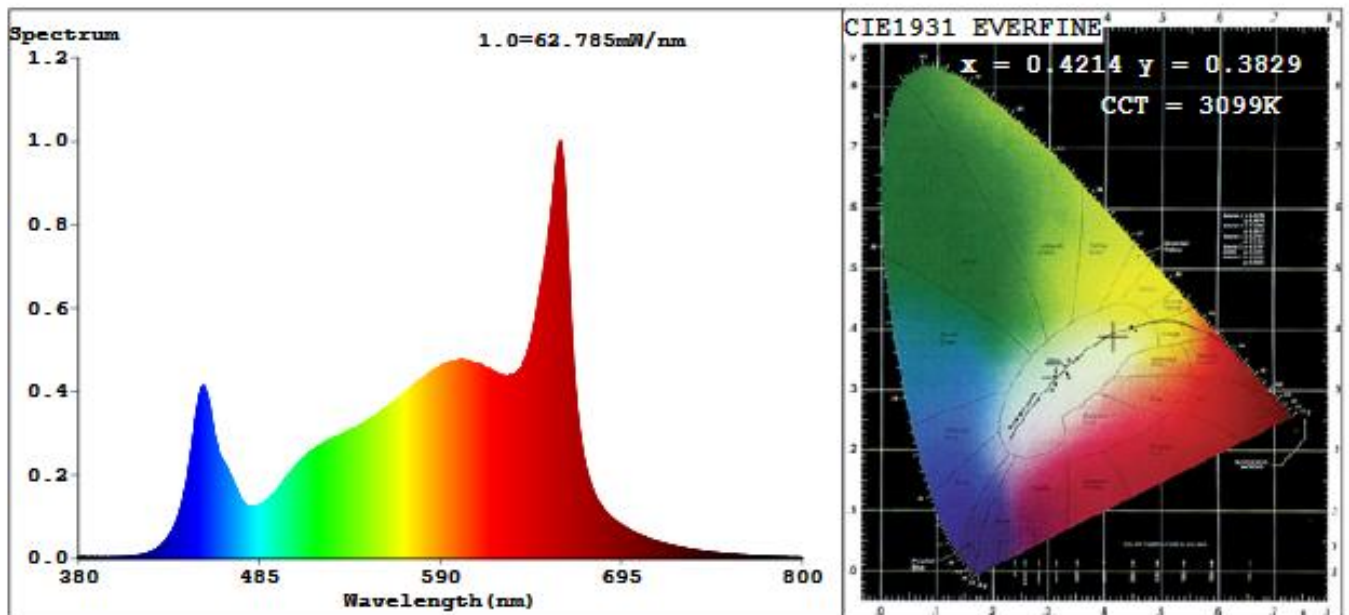
Dimension:



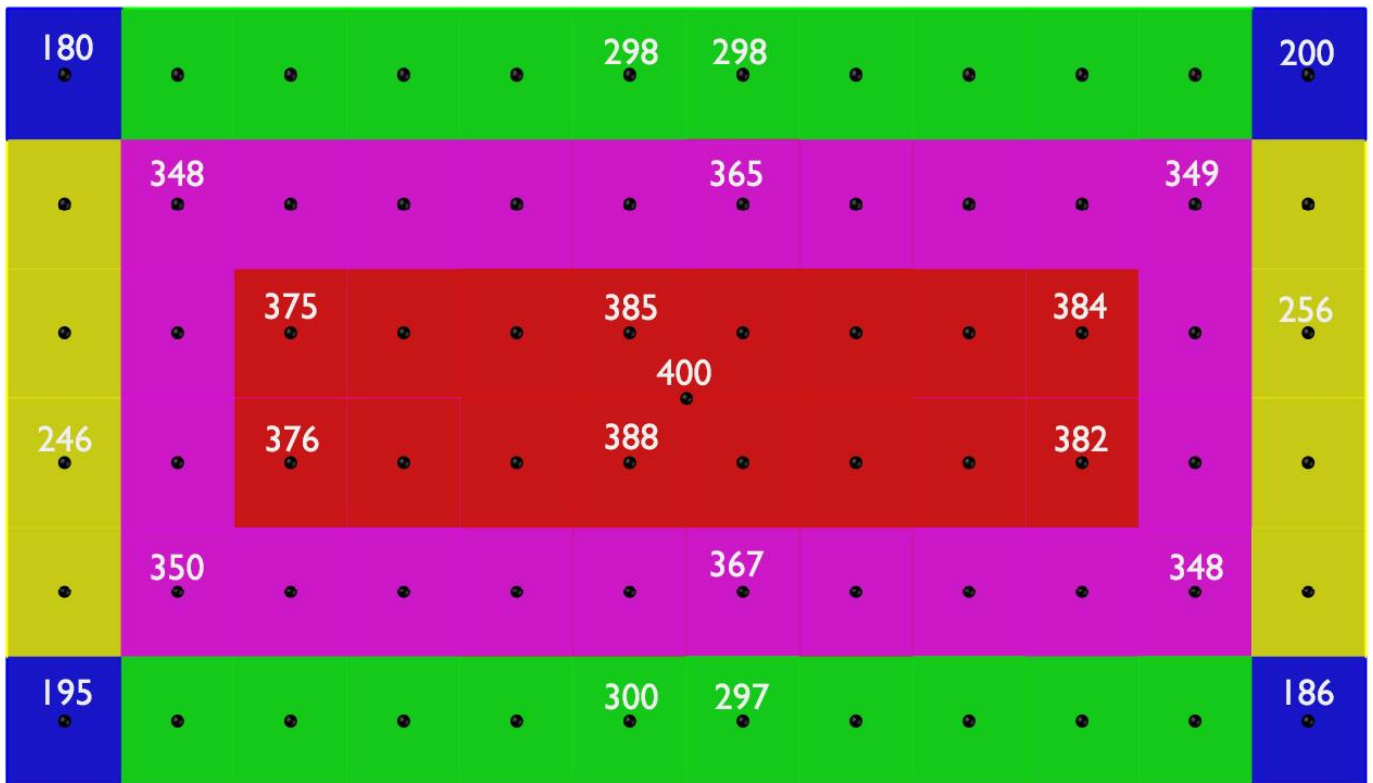
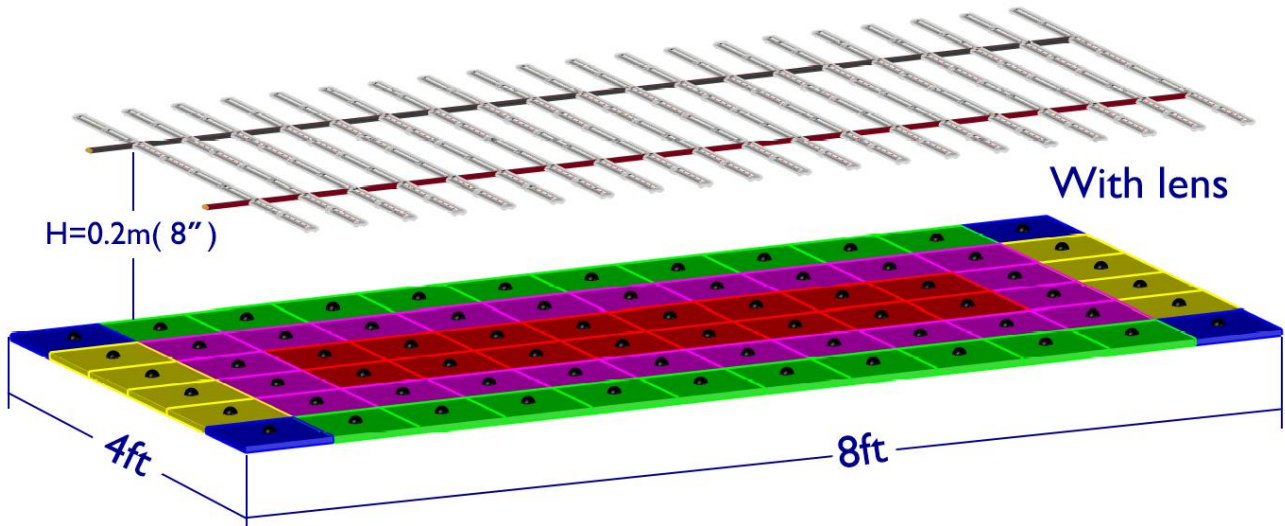
- B1 spectrum, more blue light, 9000K color temperature, used for group breeding seedlings, and rhizome plant growth.



- B2 spectrum, more red light, 3000K color temperature, used for vegetative growth, and most plants grow.

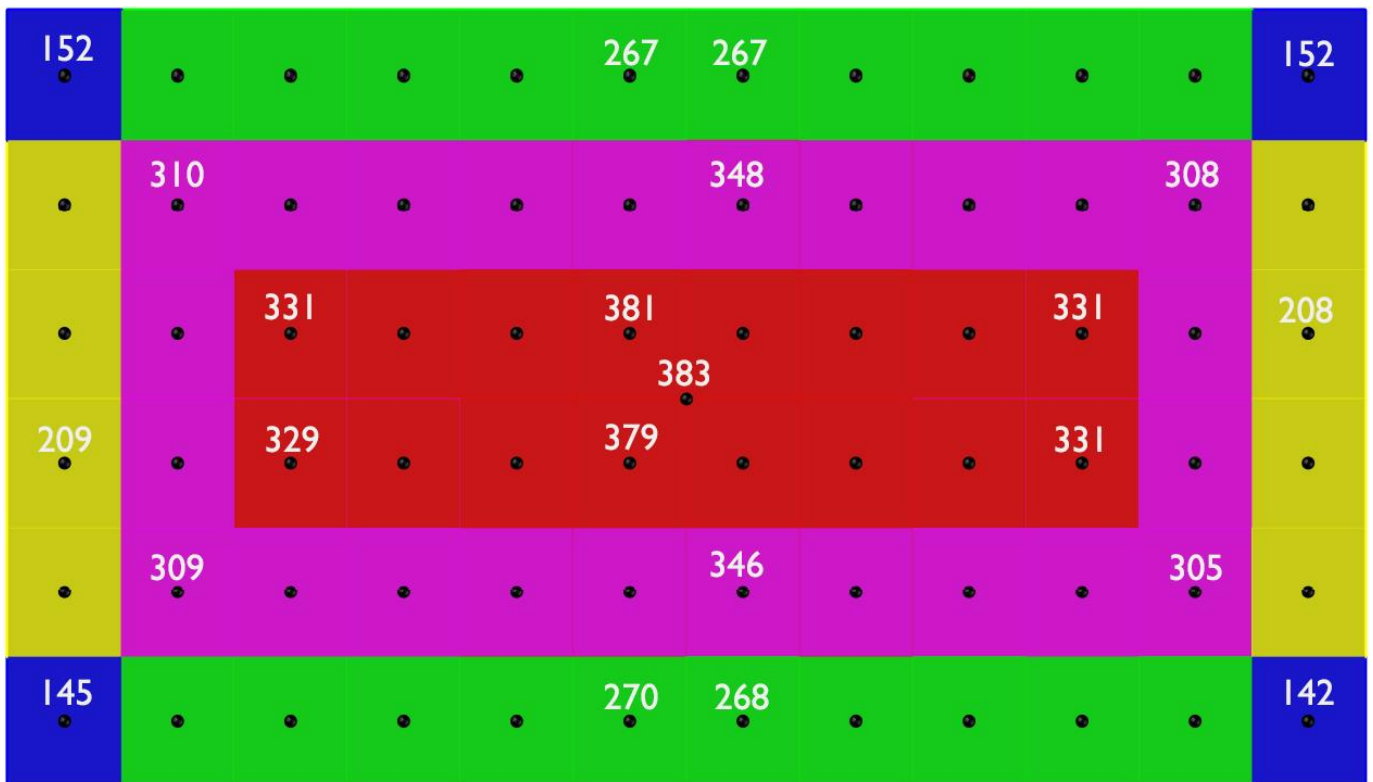
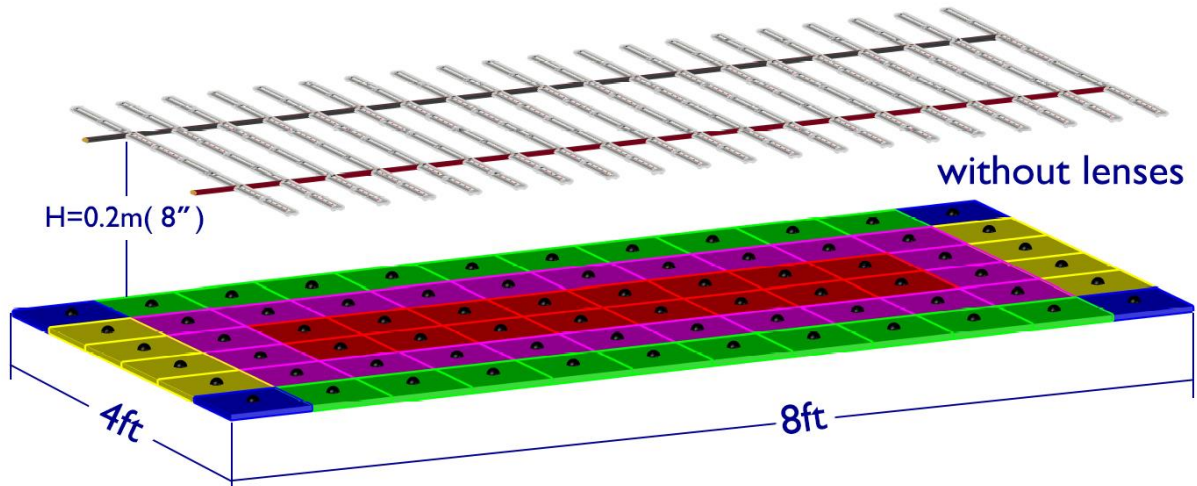


- GB-120T with lenses LED Curtain, the spacing between the light bars is 12mm, illumination coverage: 1.2x2.4m (4'x8')



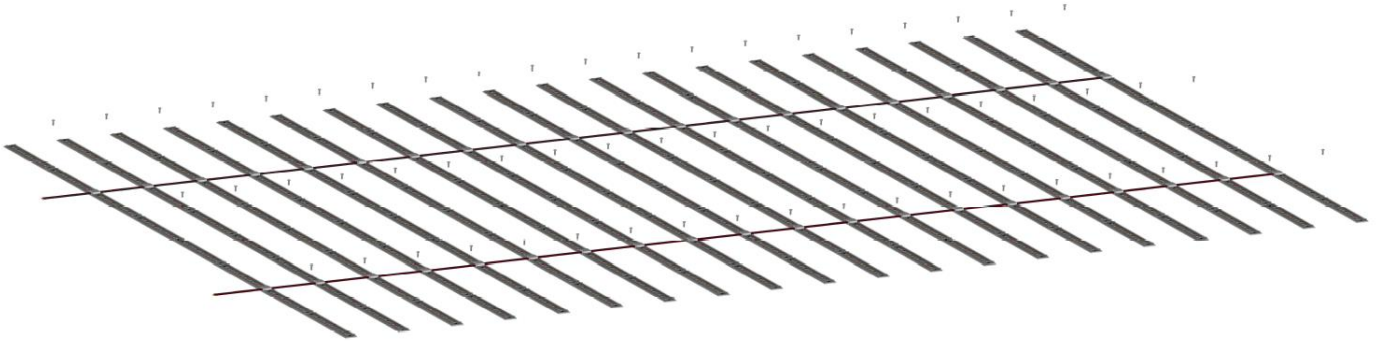
RX-GWBK-120T 20pcs strip to strip 120mm
 Height from plant canopy 8" 0.2m 36 points testes
 Average PPFD hitting: 320 μ mol/m²/s

- GB-120 without lenses LED Curtain, the spacing between the light bars is 12mm, umination coverage: 1.2x2.4m (4'x8')



RX-GWBK-120 20pcs strip to strip 120mm
 Height from plant canopy 8" 0.2m 36 points testes
 Average PPFD hitting: 286 μ mol/m²/s

- Installation



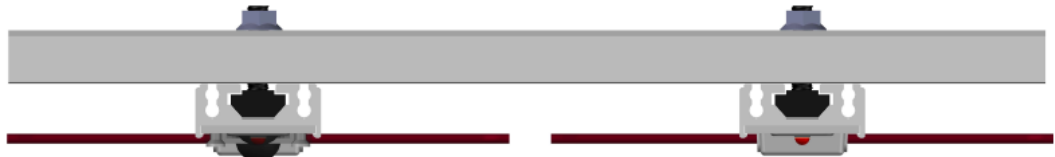
Fixed installation with screws

In addition, you can also use thermally conductive double-sided adhesive to fix it!

- G24 Aluminum profile heat sink (additional cost) to support the installation



G24 Aluminum profile for additional cooling and fixing



T-bolts and nuts can be used for fixed combination installation, please contact Koray for details