

Description: GS480 Flower Switch for flowering period Horticulture LED Board Grow Lights, More blue light in the vegetative growth period, The flowering switch is turned on to provide more red light, for cannabis bloom, improving yield. Samsung LM301 high efficiency led chip, and add the Osram deep red 660nm FR730nm. More effective spectra for medicinal plants, koray LED grow light which can obviously improve the quality and harvest. suitable for basement planting, plant tent planting, experimental planting and greenhouse planting.



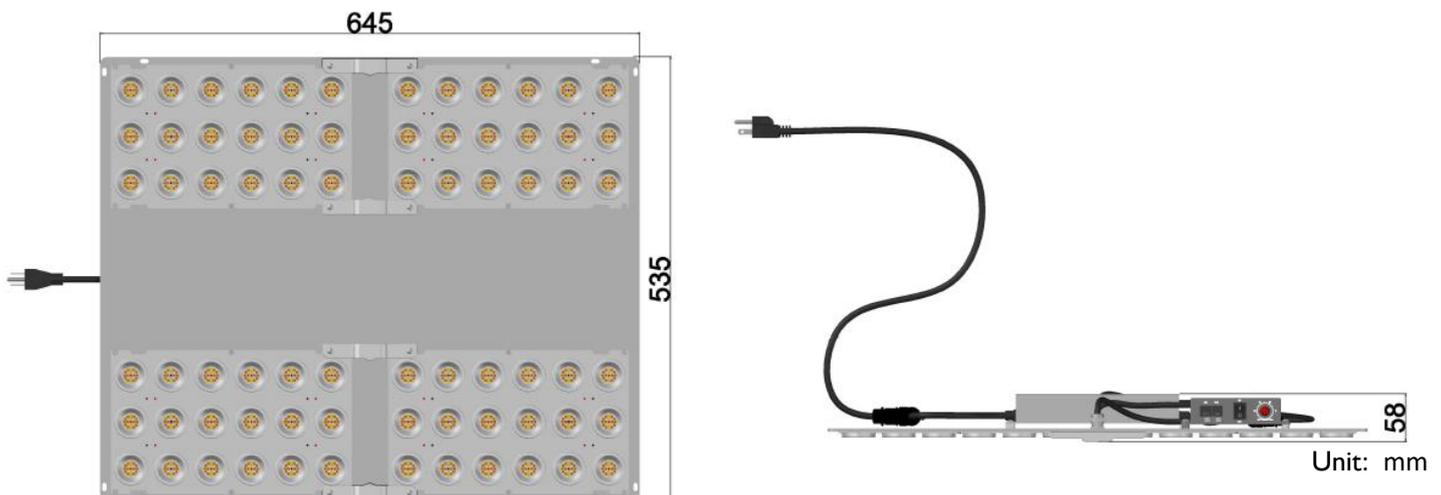
1. Flowering switch: turn on additional Hyper Red 660nm and far red 730nm, For cannabis bloom, improving yield.
2. Veg footprint is 5ft*5ft, Flowering footprint 4ft*4ft
3. High-end configuration, world-famous components Samsung LM301H led chip and German brand 660nm MeanWell power
4. Free dimmer, support multi-lamp dimming, maximum connection 10pcs
5. Input: AC 120~277V, power: 480W
6. Lifespan 50,000 hours, Warranty: 3 years
7. CE RoHS FCC

Model	Dimension LxWxH	Spectral Wavelength	Photon PPFD $\mu\text{mol}/\text{m}^2/\text{s}$ 0.9*0.9m 3ft*3ft tent	PPF	Power Test Input	Comment
GS480	645x535x58mm 25.6"x21"x 2.3"	F135 	1200 μmol @0.46m 18"	PPF:1220 $\mu\text{mol}/\text{s}$	440W/230V	High efficiency 2.7 $\mu\text{mol}/\text{J}$ High PPF, fast plant vegetative growth
			950 μmol @0.61m 24"			
			690 μmol @0.76 30"			
		F135 DRFR 	1350 μmol @0.46m 18"	PPF:1280 $\mu\text{mol}/\text{s}$	480W/230V	Extra flowering switch is turned on, increase 660nm, 730nm
			1050 μmol @0.61m 24"			
			770 μmol @0.76 30"			

Working temperature: - 30°C ~ 40°C ,Lifespan: 50,000 hours (Note:Ta 25 °C)
Tolerance range for optical and electrical data: $\pm 10\%$.

PPFD data is tested on a 4' x 4' grow tent, the above data is for reference only!

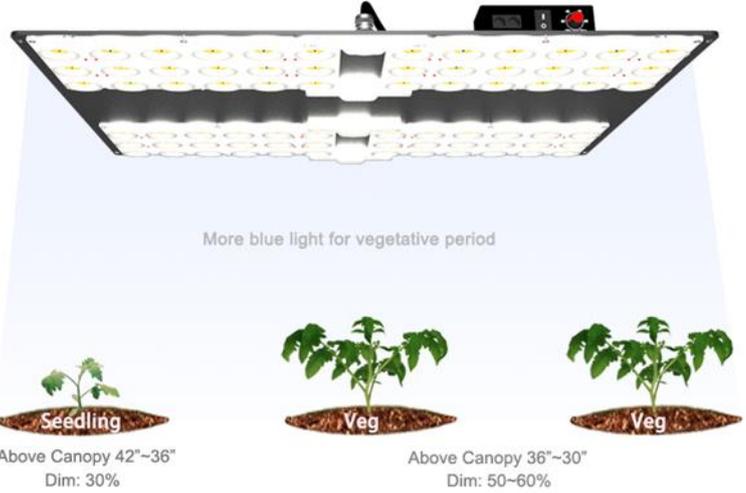
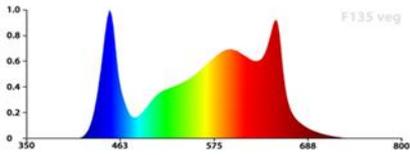
Dimension:



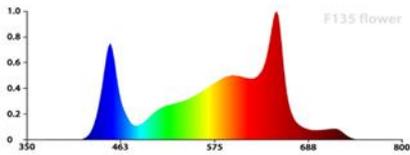
Flowering switch: turn on additional plant DR660nm, far red 730nm, Improve flowering yield and quality

Flowering switch ON for improve flowering yield

Flowering Switch OFF



Flowering Switch ON

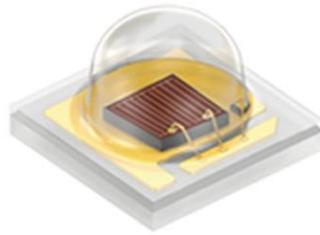


Using world-renowned LED brands and power supply brands to create high-quality Koray grow light modules

Using world-renowned LED brands and power supply brands to create high-quality Koray grow light modules



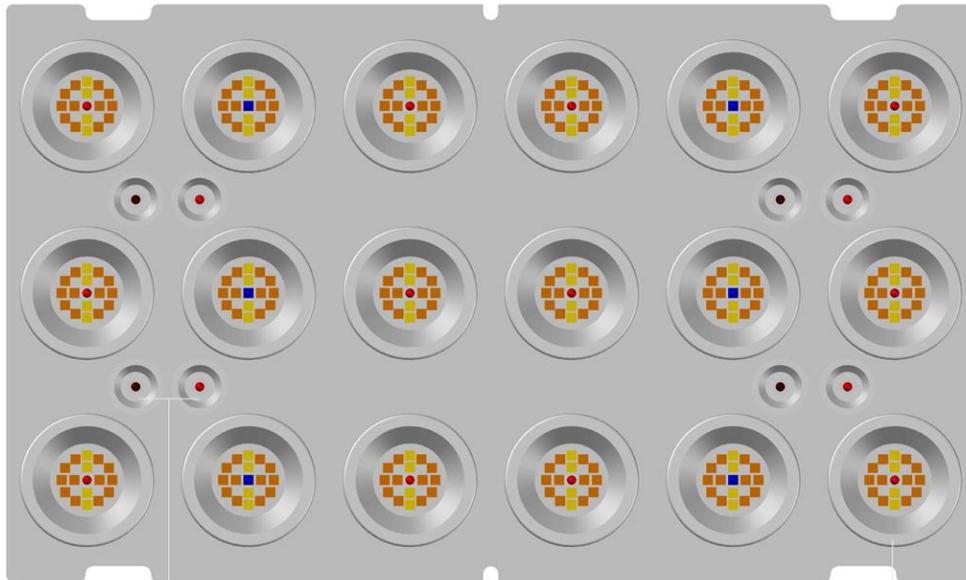
LM301



Osram LED



Mean Well Power



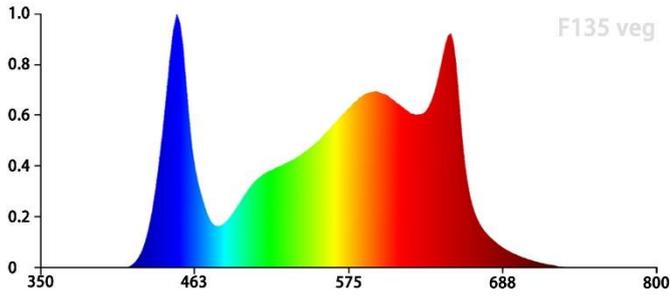
Additional ultra-red and far-red LEDs

Reflector, improve PPF, prevent LED damage

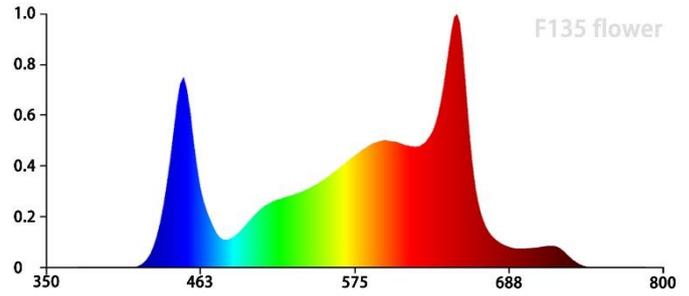
GS240 GS480 series are the best LED grow light modules from Koray

GS240 GS480 series is koray best grow light module

Optimized spectrum, dedicated to medicinal plants, low green light design, higher spectrum utilization, and high color rendering index



In the vegetative growth period, more blue light is beneficial to the growth of roots, stems and leaves!



During the flowering period, more red light and far-red light are used, Bloom earlier, increase flowering, increase yield

F135 adopts the full spectrum of low green light design, providing more blue photons and red photons to plants, improving the utilization of the spectrum.

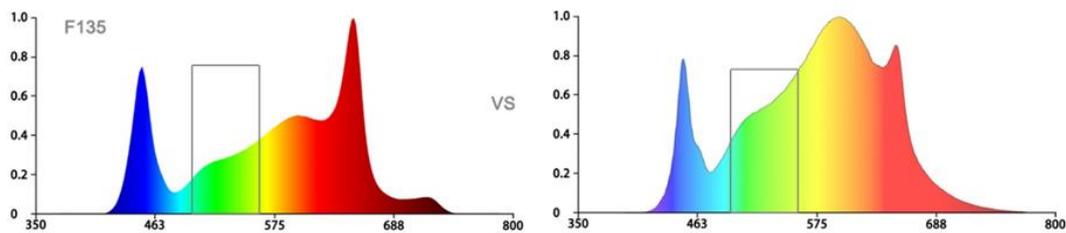
At the same time, the color rendering index Ra >90, which is easy for human eyes to observe.

F135 Full Spectrum of Low Green Light Design

Providing more blue photons and red photons to plants, improving the utilization of the spectrum



High CRI, Ra > 90, easy to observe by human eye

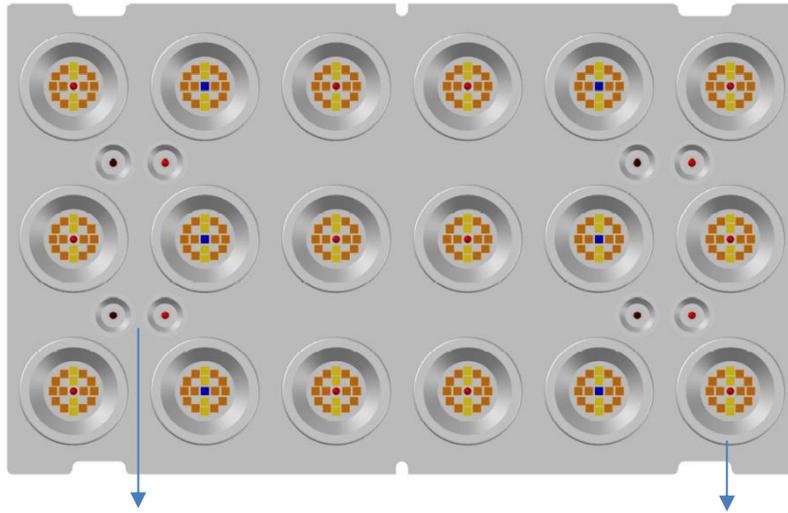


Reduce the green spectrum by more than 30%, which is more conducive to plant growth!

* Green light is the least photosynthetically efficient wavelength in the visible spectrum. Chlorophyll absorbs low amounts of green relative to red and blue light, but it is still useful in photosynthesis and regulates plant architecture, so it's best to provide a plant will at least all three types of light. But too much green light reduces plant growth.

* Green light is the least photosynthetically efficient wavelength in the visible spectrum. Chlorophyll absorbs low amounts of green relative to red and blue light, but it is still useful in photosynthesis and regulates plant architecture, so it's best to provide a plant will at least all three types of light. But too much green light reduces plant growth.

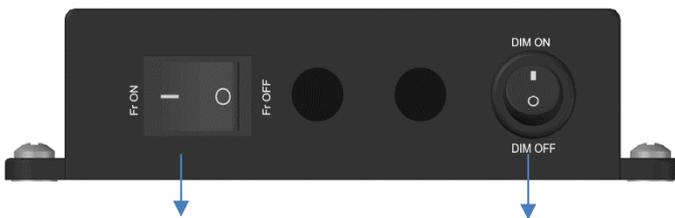
Switch and LED arrangement



Additional ultra-red and far-red LEDs

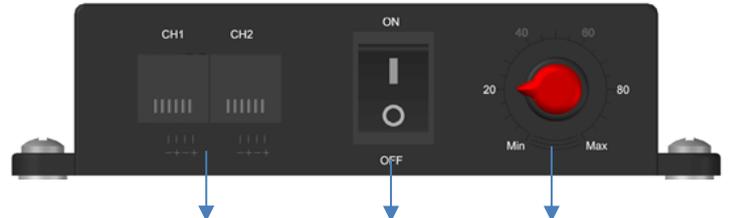
Reflector, improve PPF, prevent LED damage

Free dimmer, you can use RJ12 telephone line to connect in series, Multi-light dimming



Flowering switch

Dimmer switch



RJ12

Light switch

knob

GS480 Flower Switch for flowering period Horticulture LED Grow Light Module



Flowering switch ON for improve flowering yield
Tunable Spectrum Grow Light Module

