

LED QUANTUM GROW LIGHT SERIES

LED QUANTUM BOARD GROW LIGHT



QB1-110W



QB2-220W



QB4-440W



QB6-660W



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1 Applications

- Grow tent
- Greenhouse
- Horticulture lighting
- Hydroponic cultivation
- Industry hemp growth
- Marijuana Cannabis lighting
- Indoor planting growth
- Farming plants research



2 Parameters

Model No.	QB1	QB2	QB4	QB6
Real watt	110W	220W	440W	660W
Voltage	100-277VAC	100-277VAC	100-277VAC	100-277VAC
Full Spectrum	300-800 NM	300-800 NM	300-800 NM	300-800 NM
Dimmable	1-10V	1-10V	1-10V	1-10V
Dimming	Switch	Switch	Switch	Switch
PPE	2.7 umol/J	2.7 umol/J	2.7 umol/J	2.7 umol/J
Lumen lux	17600 LM	35200 LM	70400 LM	105600 LM
Life time	50,000 hours	50,000 hours	50,000 hours	50,000 hours
Warranty	5 years	5 years	5 years	5 years
Driver	Meanwell	Meanwell	Meanwell	Meanwell
LED Chips	Samsung, Red,IR	Samsung, Red,IR	Samsung, Red,IR	Samsung, Red,IR
PF	> 0.97	> 0.97	> 0.97	> 0.97
IP	IP65	IP65	IP65	IP65
Size-CM	30*24*5.5	60*24*5.5	60*48*5.5	75*60*5.5



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3 Features



Warm White Light (3000k):
Boosts plants blooms, makes flower bigger and vivid.



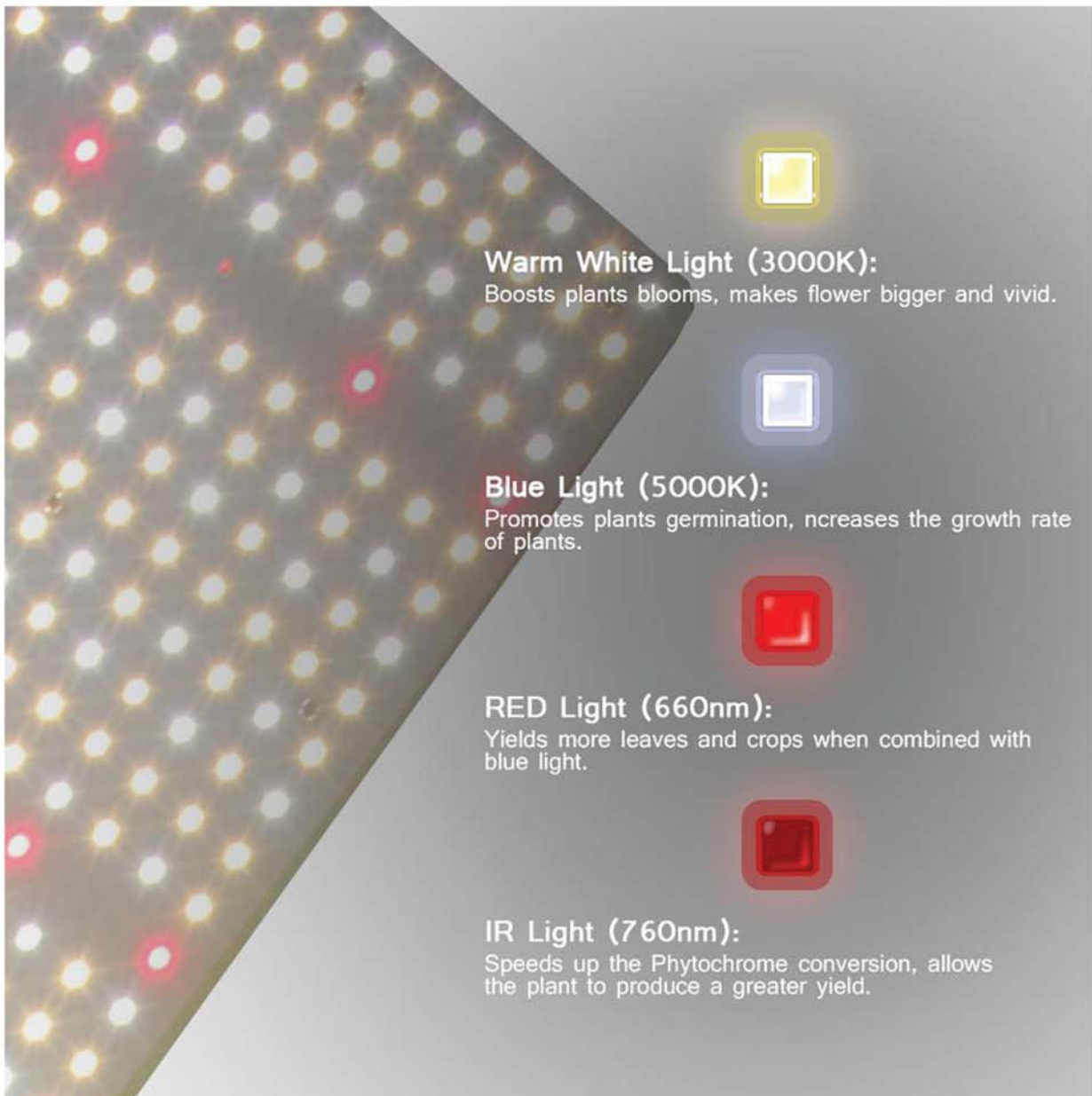
Day Light (5000K):
Promotes plants germination, ncreases the growth rata of plants.



RED Light (660nm):
Yields more leaves and crops when combined with blue light.



IR Light (760nm):
Speeds up the Phytochrome conversion, allows the plant to produce a greater yield.



Warm White Light (3000K):
Boosts plants blooms, makes flower bigger and vivid.

Blue Light (5000K):
Promotes plants germination, ncreases the growth rate of plants.

RED Light (660nm):
Yields more leaves and crops when combined with blue light.

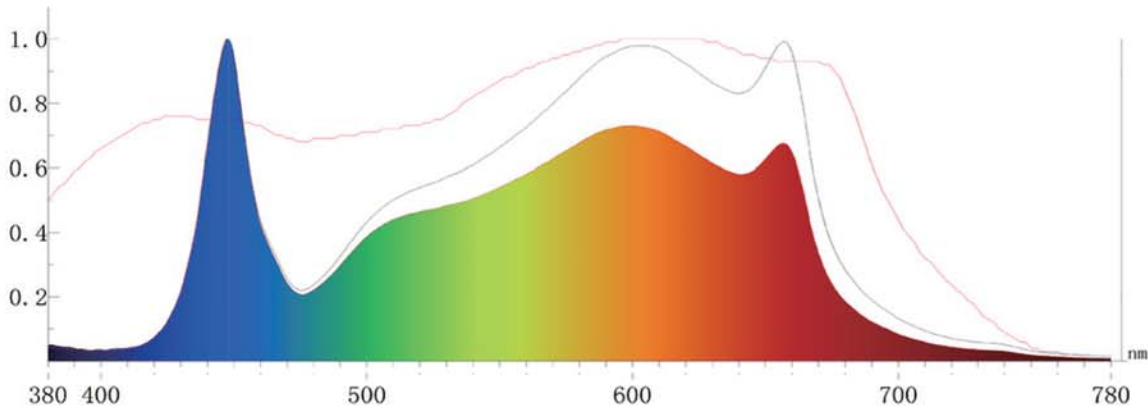
IR Light (760nm):
Speeds up the Phytochrome conversion, allows the plant to produce a greater yield.



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4 Spectrum



Spectrum	Function
280-315NM	UVB ultraviolet light which is harmful for the plants and cause the colors to fade
315-380NM	Range of UVA ultraviolet light which not harmful for the plants growth
380-400NM	Visible light spectrum which helps the plants on processing chlorophyll absorption
400-520NM	Including violet, blue, green bands, peak absorption by chlorophyll, big influence on photosynthesis-- Vegetative growth
520-610NM	This includes green, yellow, and orange bands, they are absorbed by plants
610-720NM	Red band, large amount of absorption by chlorophyll occurs, strong influence on photosynthesis-- Flowering & Budding
720-1000NM	Small amount of the spectrum could be absorbed for plants need to enhance cell growth



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5 Illumination & height




Light On/Off Suggestions :

Seeding : 20hours/4 hours or 18 hours/6 hours

Vegetative : 20hours/4 hours or 18 hours/6 hours

Flowering : 12 hours / 12 hours

Here below is the recommendation for adjusting the height between led grow light and the plants growing stage

Seeding Height 150-160CM	Vegetative Height 120-140CM	Flowering --Harvest Height 50-70CM
		

6 Packing



Item	Qty / CTN	CTN Size-CM	Gross Weight
QB1	5 PCS	54*39*32CM	13 KG
QB2	3 PCS	69*33*32CM	13 KG
QB4	2 PCS	68*56*25CM	17 KG
QB6	2 PCS	75*68*25CM	23 KG

