SPECIFICATION

FULL SPECTRUM FOLDABLE LED GROW LIGHT

TB-GLF8-650

TB-GLF8-800

TB-GLF8-1000

Email: Scott@TheLightMaster Web: www.thelightmaster.com

Introduction

Input Voltage: 100-277Vac

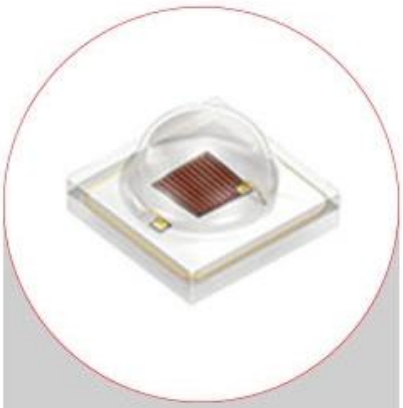
Working temperature: -20°C -45°C

Working environment humidity: 10~80%RH

Storage temperature: -30°C - 60°C

Housing: Aluminum 6063

Driver Brand: MEANWELL



660nm / 730nm

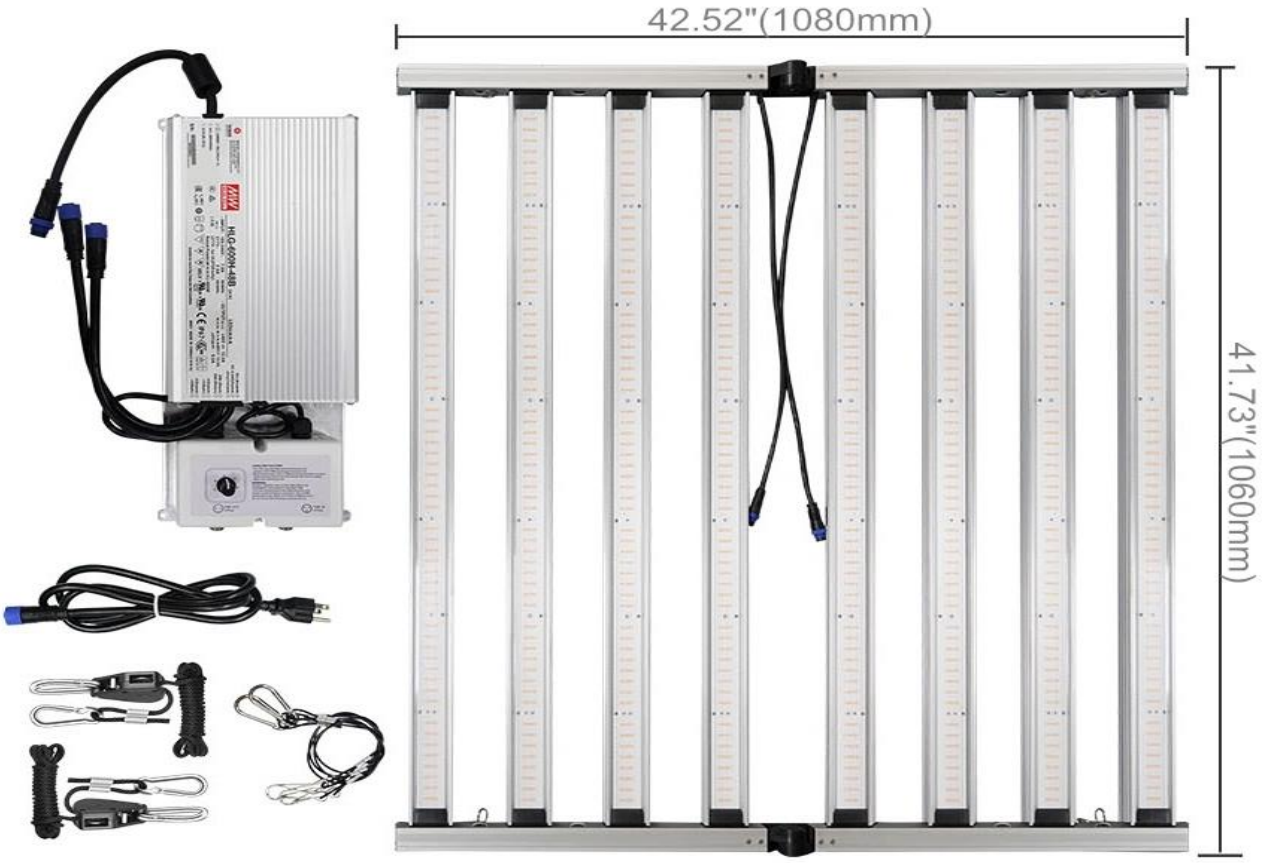
1. High quality and high efficiency;
2. Guarantee quality;
3. Leave ten refunds.

395nm

1. Inhibit plant growth;
2. Improve quality;
3. Bactericidal effect.

Brand LED Chips

1. Professional high-quality plant led;
2. Guarantee quality;
3. Leave ten refunds.


42.52"(1080mm)
41.73"(1060mm)

Technical Data Sheet

Model No.	TB-GLF8-650	TB-GLF8-800	TB-GLF8-1000
Watt(W)	650W±10%	800W±10%	1000W±10%
Dimension (IN)	42.52*41.73” (1080*1060mm)		
Input Voltage(V)	AC 100-277V 50/60Hz		
LED Type	SMD Professional Plant LEDs + IR (660nm+730nm) + UV395nm		
EFF(μ mol/J)	2.8		
PPF(μ mol • s)	1885	2279	2800
PPFD (40CM Max)	1229(μ mol/㎡ • s)	1365(μ mol/㎡ • s)	1589(μ mol/㎡ • s)
PPFD (60CM Max)	1051(μ mol/㎡ • s)	1191(μ mol/㎡ • s)	1400(μ mol/㎡ • s)
Standard Coverage (FT)	4 * 4’		
Maximum Coverage (FT)	6 * 6’		
Heatsink Material	AL6063		
Craftsmanship	Spray Glue		
Optional Dimming Mode	0/1~10V / PWM		
IP Rating	IP65		
Lifetime (hr)	50000H		
Warrant	3 years		
Operating Temp.(°C)	-20℃ ~45℃		
Storage Temp.(°C)	-30℃ ~60℃		
Installation	Suspending (Daisy Chain)		
Brand Driver option	MEANWELL		
Aluminum Plate	2.0 Thermal Conductive Medium + Super Thermal Conductive 2.0 Thermal Conductivity Aluminum Plate, Temperature Rise＜29° C		
Standard Package	1 * lamp, 1 * power supply, 2 * wire hooks, 2 * adjustable lanyards, 1 * 16AWG power cord, 1 * manual		

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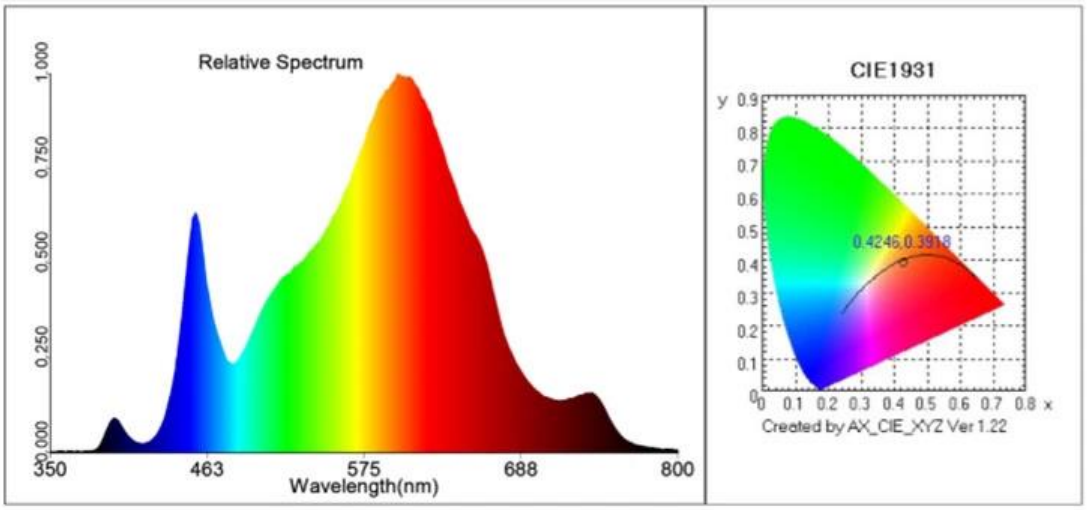
Full Spectrum



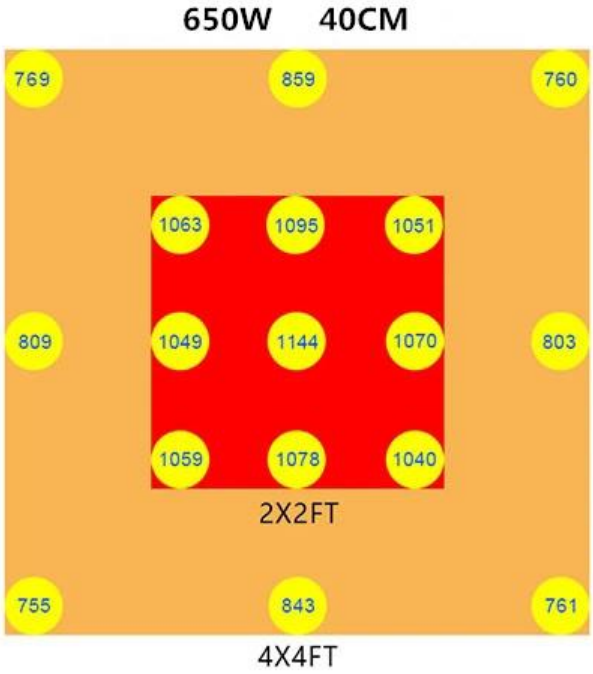
Test Params

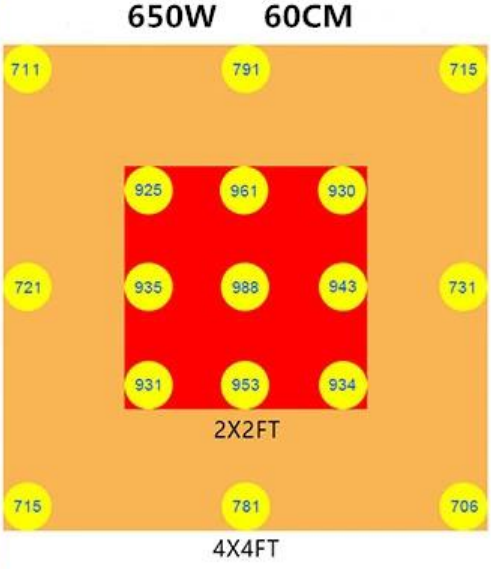
E= 7.0063e+004 lx	E(fc)=6511.39 fc	Ee=2.2686e+002 W/m2	
CIE-x= 0.4246	CIE-y= 0.3918	CIE-u'=0.2478	CIE-v'=0.5146
CCT=3117 K	Lp=599.0 nm	HW=134.0 nm	Ld=583.6 nm
Pur=45.1 %	RedRatio(%)=22.6	GreenRatio(%)=74.3	BlueRatio(%)=3.1
DUV=-0.0032	S/P=1.44		
Ra=84.5	R1=84	R2=94	R3=94
R4=82	R5=85	R6=93	R7=82
R8=62	R9=16	R10=87	R11=82
R12=77	R13=87	R14=97	R15=77

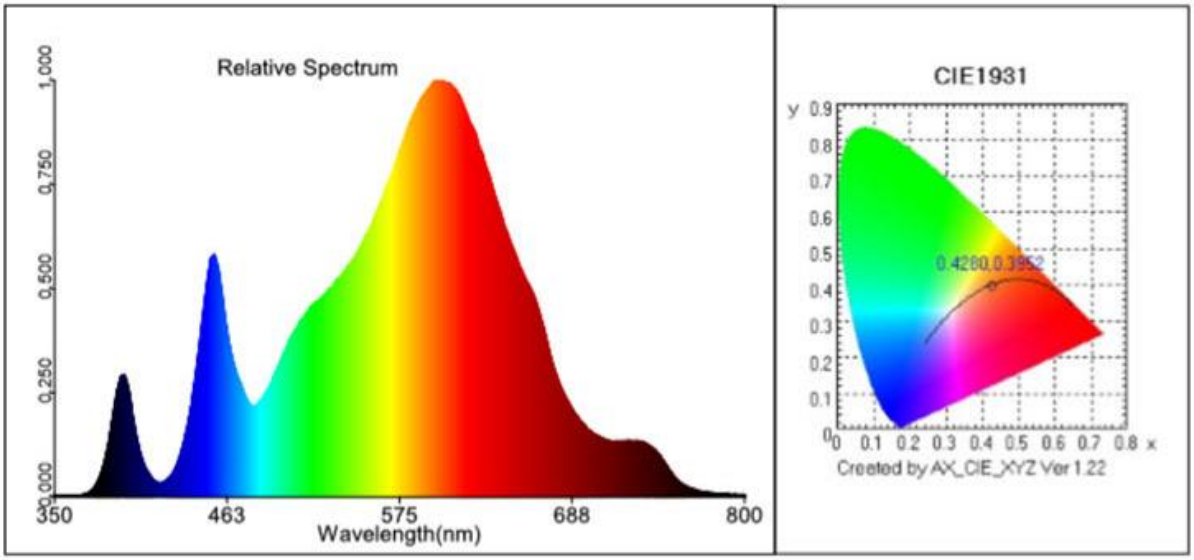
SDCM= 7.7(F3000)

White Class:C78.377_3000K

Eb=37.87188 (W/m2) Ey=92.71033 (W/m2) Er=85.25877 (W/m2)
PPFDf=68.41273 (μmol·m-2·s-1) PPFD=1143.43243 (μmol·m-2·s-1) Er_Eb_Ratio=2.41326







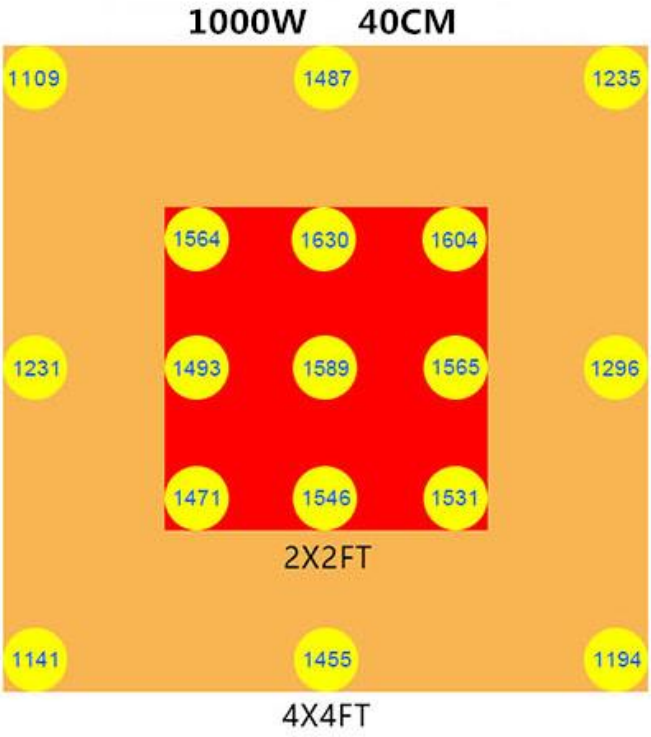
Test Params

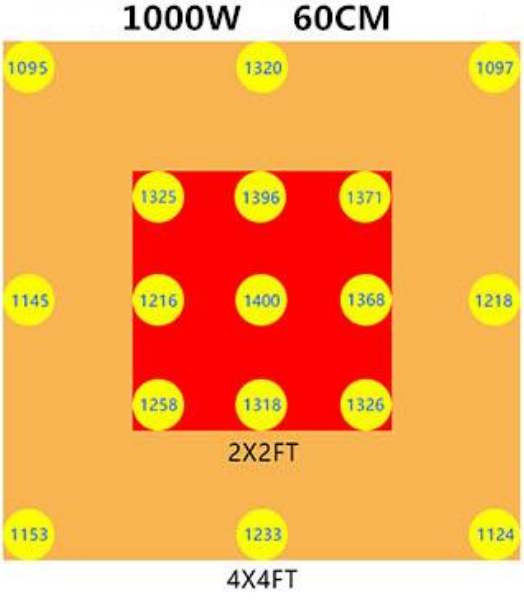
E= 1.0488e+005 lx	E(fc)=9747.66 fc	Ee=3.4244e+002 W/m2	
CIE-x= 0.4280	CIE-y= 0.3952	CIE-u'=0.2486	CIE-v'=0.5165
CCT=3083 K	Lp=600.0 nm	HW=131.2 nm	Ld=583.4 nm
Pur=47.1 %	RedRatio(%)=22.6	GreenRatio(%)=74.5	BlueRatio(%)=2.9
DUV=-0.0023	S/P=1.41		
Ra=83.4	R1=82	R2=93	R3=95
R4=81	R5=83	R6=91	R7=82
R8=60	R9=10	R10=84	R11=81
R12=76	R13=85	R14=98	R15=75

SDCM= 6.0(F3000)

White Class:C78.377_3000K

Eb=55.16396 (W/m2) Ey=139.00603 (W/m2) Er=126.43138 (W/m2)
PPFDf=89.87952 (μmol·m-2·s-1) PPFD=1589.28711 (μmol·m-2·s-1) Eb_Ratio=2.41883





Dimming Mode

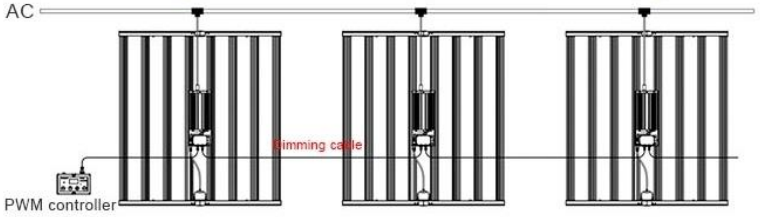
Can Cooperate With PWM Controller for Network Dimming.

0-10V Dimmer

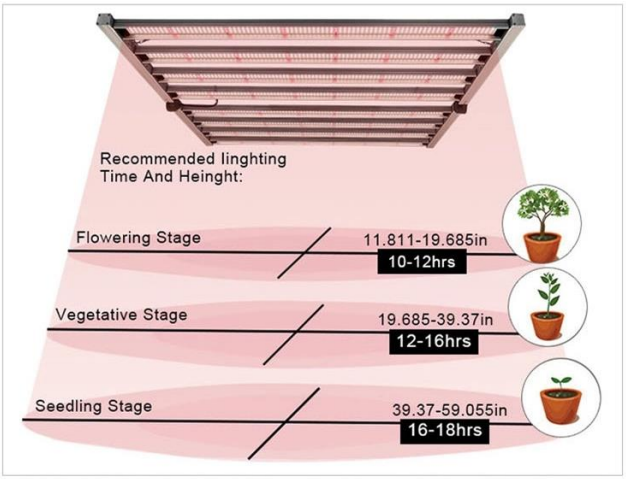
PWM Controller

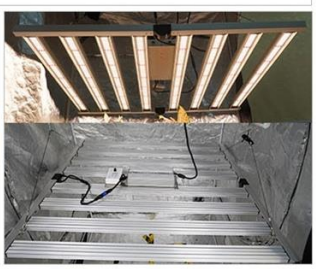
1. Dim 0-100%
2. 8 Times Set Up in 24 Hours
3. Pre-Set 2 Groups Data
4. Support Daisy Chain
5. Remote Dimmable
6. Can Feel Temperature

Schematic Diagram of Network Control for Combined light bar



Product Application





Seedling: 36"+ / 25% Power

Vegetative: 48" + / 50% Power (or 24" @ 25% Power)

Flowering: Wk1-3 - @24-30"" / 50% Power
Wk4-6 @18" - 24" / 75% Power
Wk7-8 @18" - 24" / 100% Power
Wk9-10 @12" - 18" / 100% Power

Installation

WARNING

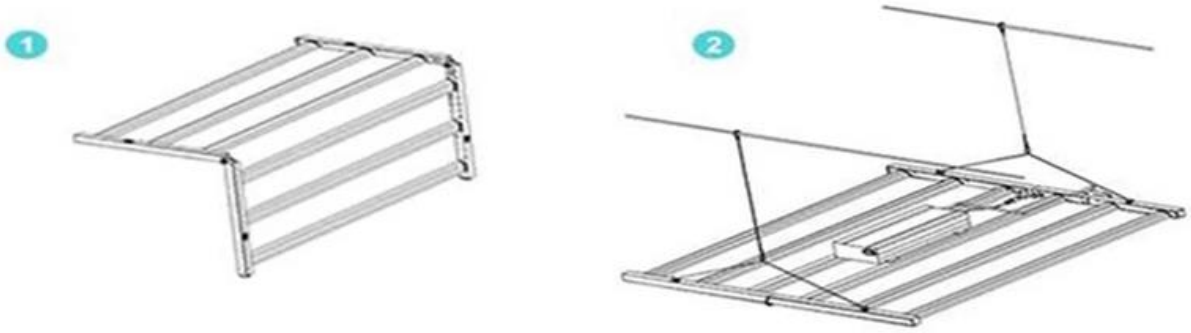
1. Switch off before installation.

2. Switch on only after complete installation and examination of the circuit.
3 Professional electricians for installation and maintenance only.

Turn Off power supply before starting any installation. Read instructions & check you have all the tools & accessories to complete the installation correctly.

Foldable Type VS Normal Type

☑ Easy to install within 3 mins



☐ Installation time 30 mins