Foldable Dimmable LED Grow Light

Product Description

Eagle Star Lighting ES-GL880A01-YY Foldable Dimmable LED Grow Light series works with ES-GL880A02-YY which are full spectrum grow light fixtures with Samsung +OSRAM LED Chips. The fixture has dimming function and spectrum tunable, including UV & IR light. They can provide more than 60% higher in PPFD compared with HID lamps with lower temperature, which increases the production and saves more than 50% power consumption. The fixtures can be used in many applications such as cannabis cultivation, vegetables, greenhouse, ornamental plants and so on.
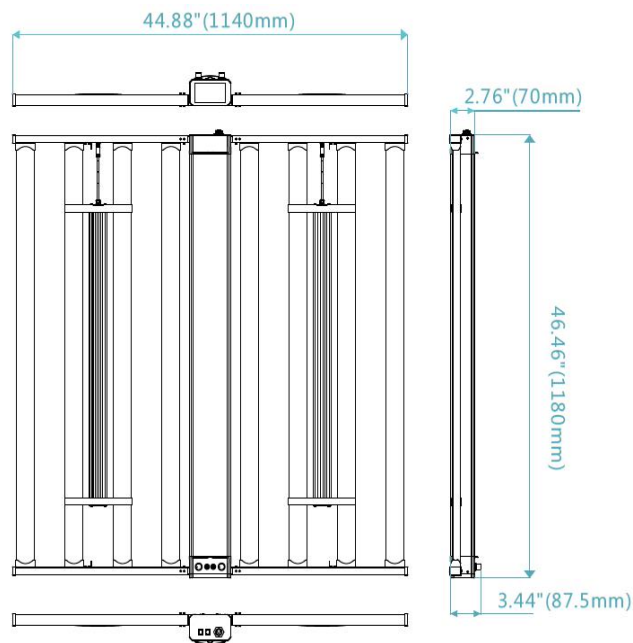
- Model NO. ES-GL880A01-YY

- Fahold & Sonsen driver

- Samsung + Osram Chips

- Full Spectrum Red+UV+IR

- Input voltage 100-277VAC 50Hz/60Hz

- Ideal Working time: 10-14hours;

- Big&wide aluminum body with great heat dissipation

- The fixture can be connected one by one

- 0-10V dimming available

- Easy installation and maintenance

- Biggest Footprint: 4ft*4ft/5ft*5ft.
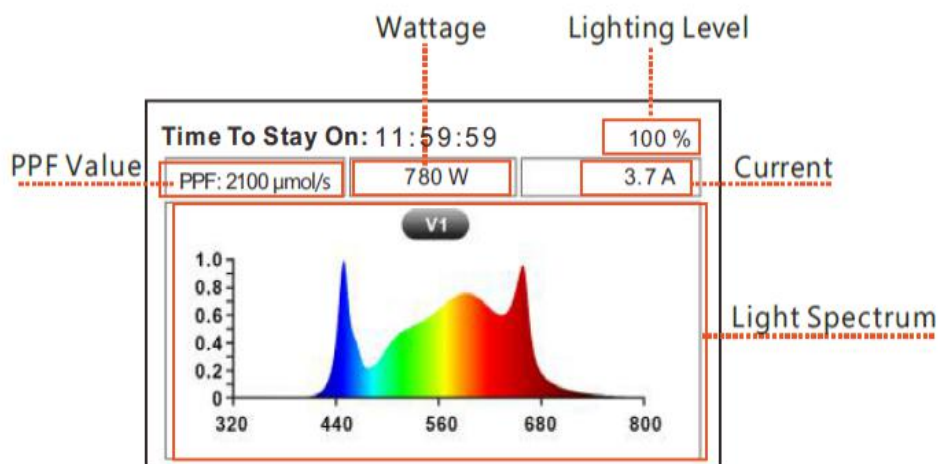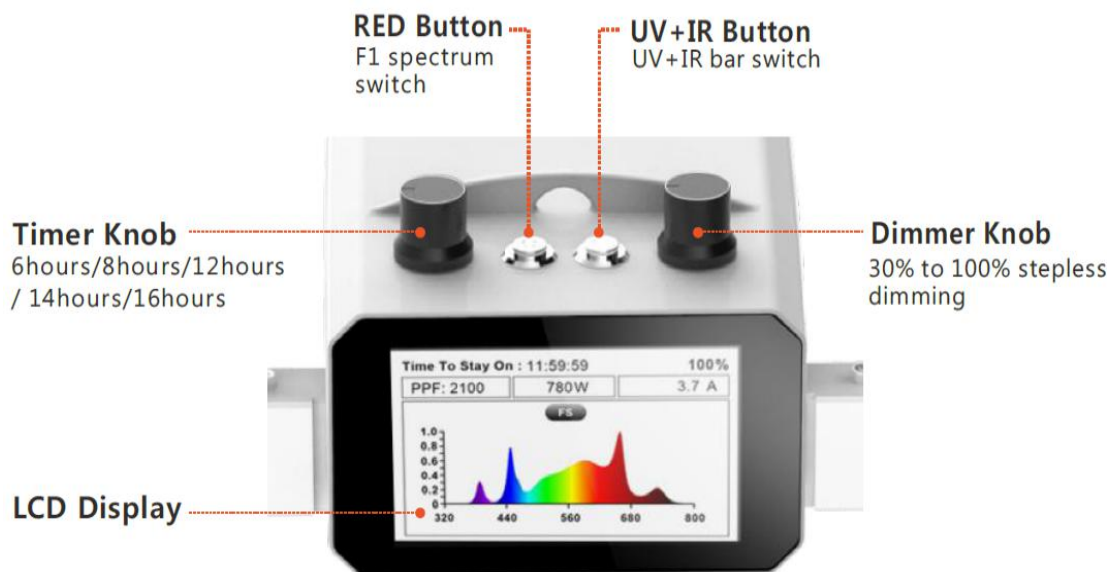
- Certificate: CE RoHS ETL cETL

Product Parameters

Input Power	720W	780W	820W	880W
LED Chips	Samsung +Osram + UV +IR			
Bars Qty	8 Bars	8 Bars	10 Bars	10 Bars
PPF	2016µmol/s	2184µmol/s	2296µmol/s	2464µmol/s
Efficacy	2.8-3.0 µmol/J			
Input Voltage	120-277VAC, 347-480VAC,50/60Hz			
Color Ratio	Full Spectrum Red+UV+IR			
Working Environment	-20℃~+40℃ 45%~95%RH			
Certifications	CE, RoHS, ETL, cETL			
Product Size	L1180 * W1140 * H70mm(46.46'' x 44.88" x 2.76")			
G.W	14.5KG(31.96lbs)			
Carton Size	L1275 * W180 * H675mm(50.2'' x 7.1" x 26.6")			
Warranty	5 Years Warranty			

Product Size

44.88"(1140mm)

2.76"(70mm)

46.46"(1180mm)

3.44"(87.5mm)

Product Details

RED Button
F1 spectrum switch

UV+IR Button
UV+IR bar switch

Timer Knob
6hours/8hours/12hours
/ 14hours/16hours

Dimmer Knob
30% to 100% stepless dimming

Time To Stay On : 11:59:59   100%
PPF: 2100   780W   3.7 A
F5
1.0
0.8
0.6
0.4
0.2
0
320   440   560   680   800

LCD Display

Wattage   Lighting Level

Time To Stay On: 11:59:59   100 %

PPF Value → PPF: 2100 µmol/s   780 W   3.7 A   Current

V1
1.0
0.8
0.6
0.4
0.2
0
320   440   560   680   800

Light Spectrum

- Light ON Screen

Spectrum

V1

F1

VS(V1+100W UV/IR BAR)

FS(F1+100W UV/IR BAR)

PPFD(µmol/㎡/s)

Average PAR:	1'x1'	2'x2'	3'x3'	4'x4'	5'x5'
	1615	1533	1462	1361	1255

809		821		805
	1008	1015	1068	
	1280	1290	1285	
	1425	1458	1438	
	1590	1593	1638	
826 1068 1301	1432	1610 1610 1648	1453 1300	1108 820
	1610	1605 1628		
	1430	1439	1455	
	1358	1347	1315	
	1019	1048	1027	
820		827		815
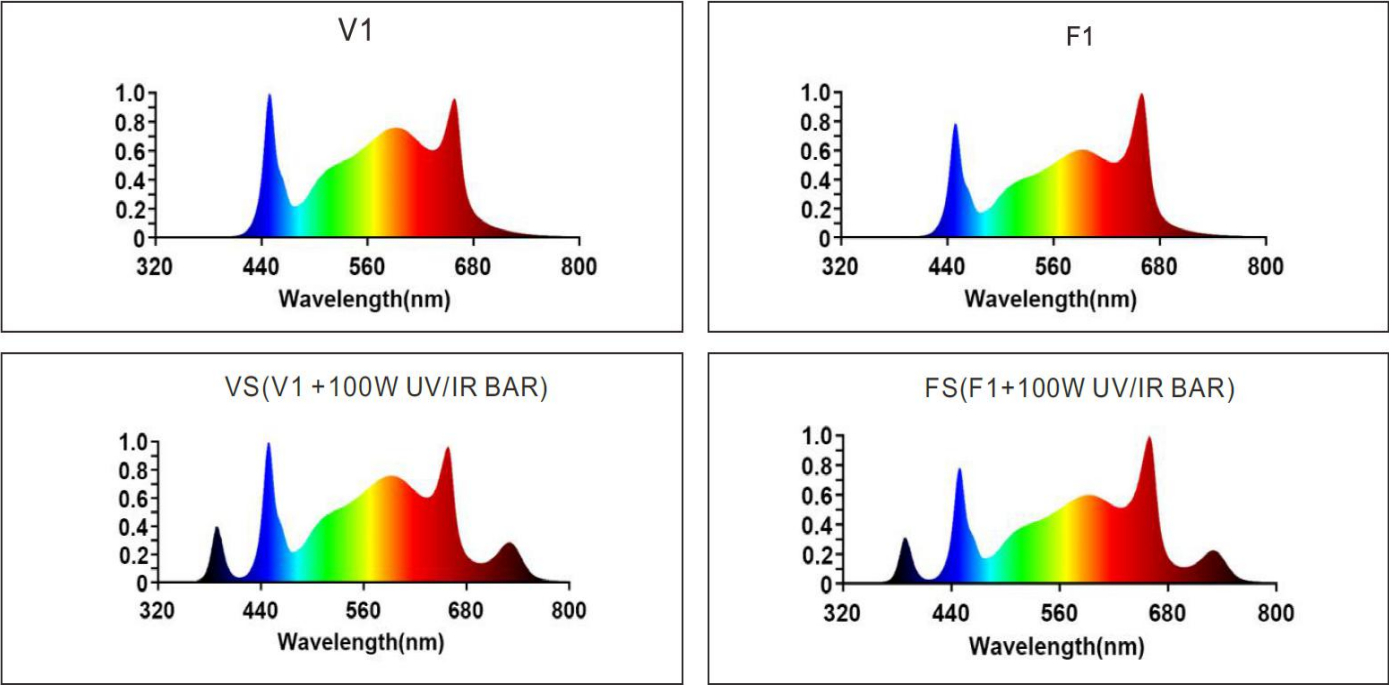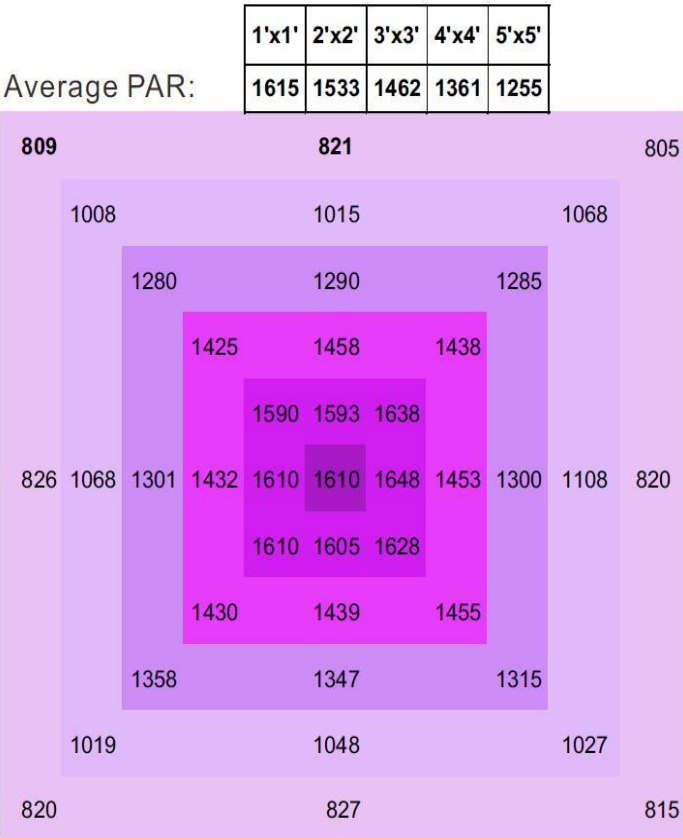
Height=6'' / 152mm
780W F1 SPECTRUM 2.8µmol/J

Average PAR:	1'x1'	2'x2'	3'x3'	4'x4'	4'x4'	5'x5'
	1441	1380	1336	1247	1129	1129

631		645		640
	975	975	978	
	1243	1250	1247	
	1310	1308	1308	
	1437	1438 1447		
640 968 1227	1312	1428 1458 1458	1308 1240	960 650
	1430	1439 1437		
	1314	1315	1316	
	1238	1248	1244	
966	980		959	
630		650		642
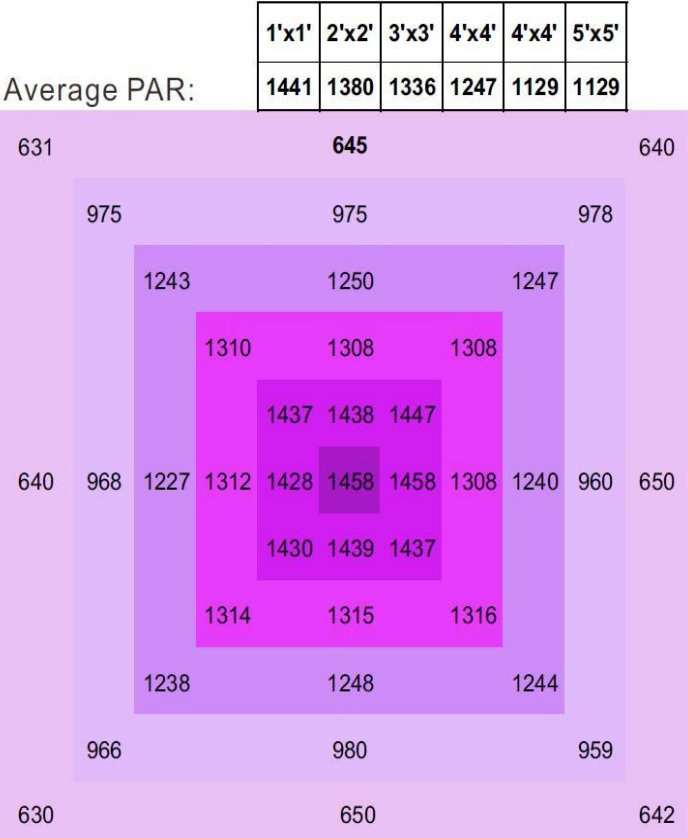
Height=12'' / 305mm
780W F1 SPECTRUM 2.8µmol/J

Average PAR

	1'x1'	2'x2'	3'x3'	4'x4'	5'x5'
Average PAR:	1245	1185	1104	1040	956
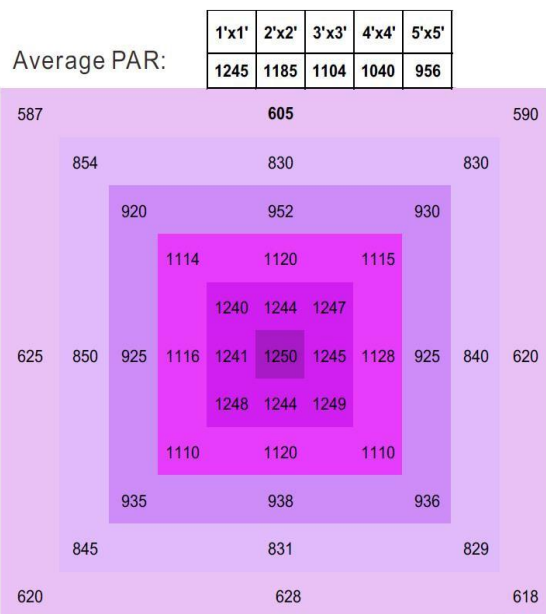
Height=24'' / 609mm
780W F1 SPECTRUM 2.8µmol/J
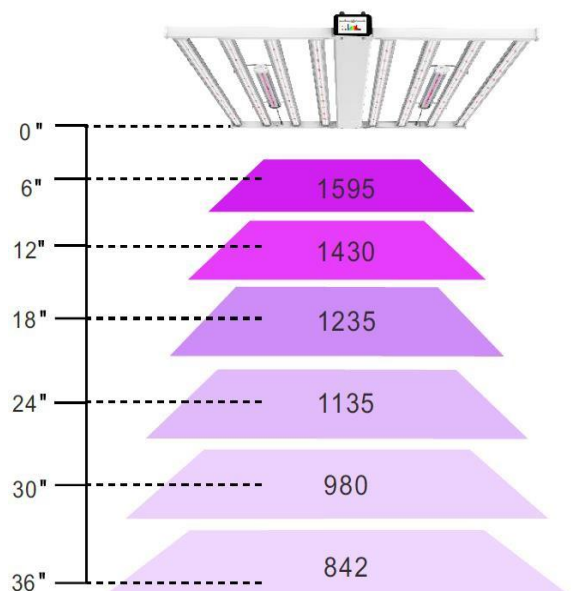
780W Full Spectrum + Red 2.8 µmol/j

Connection

ESF8800

RJ PORT
RJ CABLE
RJ PORT

ESF8800B 1   ESF8800B 2   ESF8800B 3

ESF8800B 6   ESF8800B 5   ESF8800B 4

ESF8800B 50
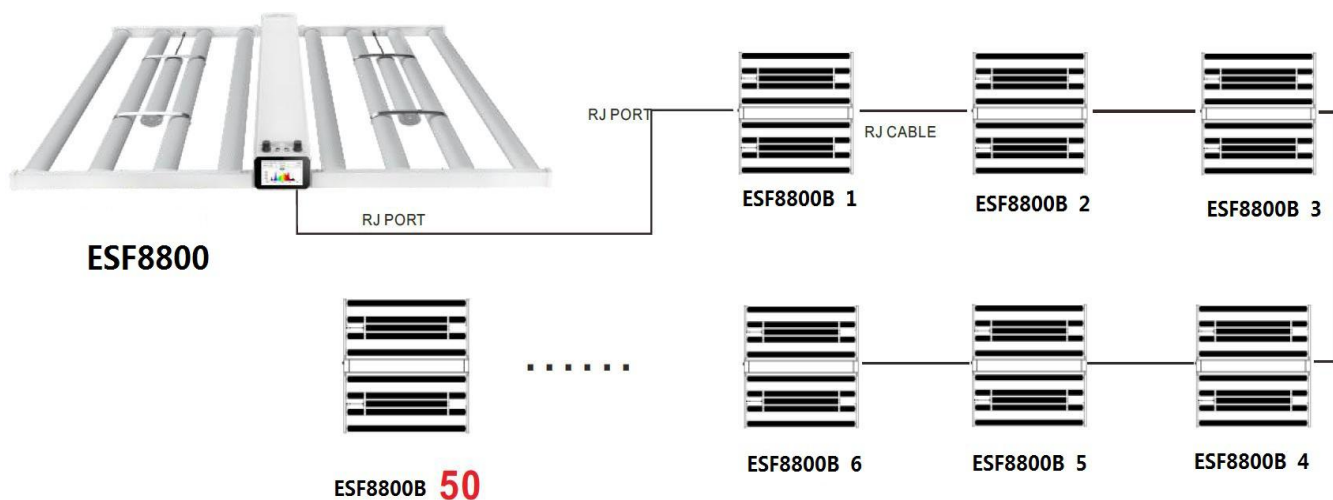
Installation
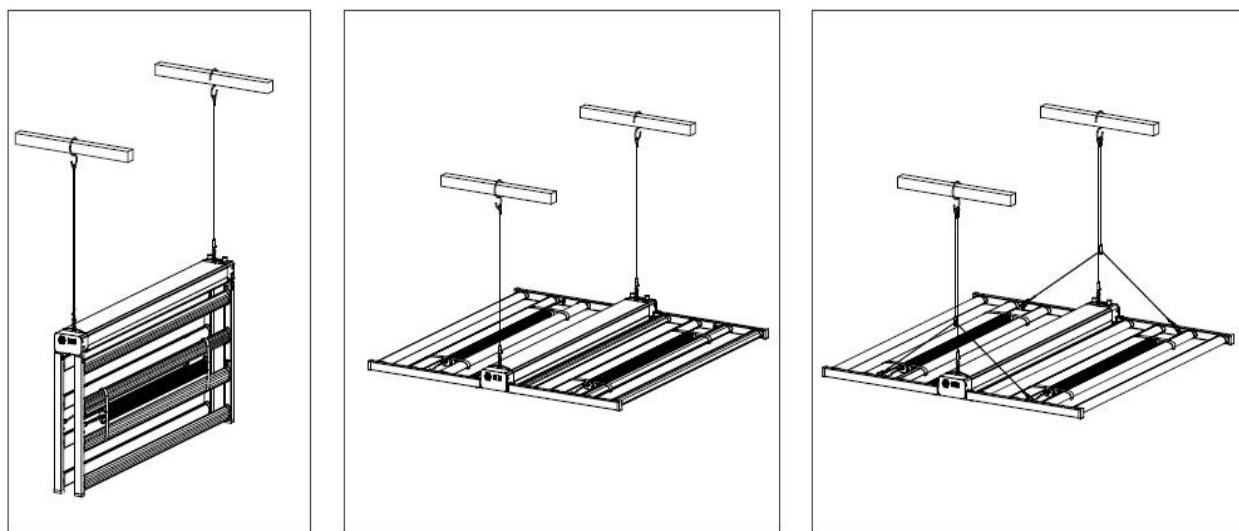
- Hang driver box

- Unfold the light, just one step to 180° horizontal position

- Hang the two extra cables on each side

Applications