



Lighting Best International Ltd.

Product specification



Model No.:LB-IM250 series

Product name:

**160 ~ 1200W LED Full Spectrum spider bar UV IR
Plant Growing Lamp**

1. Main picture



2 modules



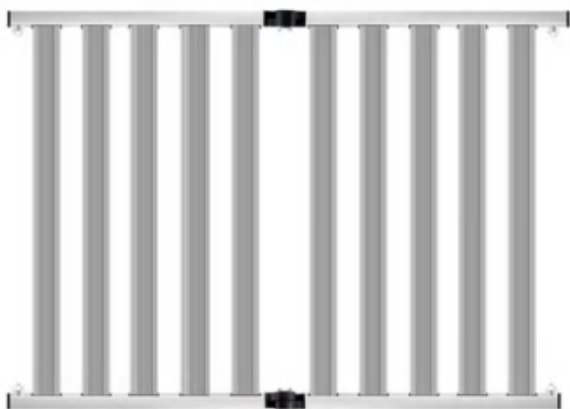
4 modules



6 modules(back view)



8 modules



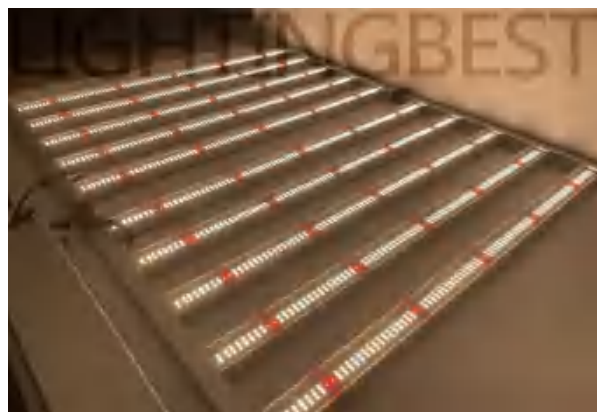
10 modules



foldable



lighting picture



actual picture

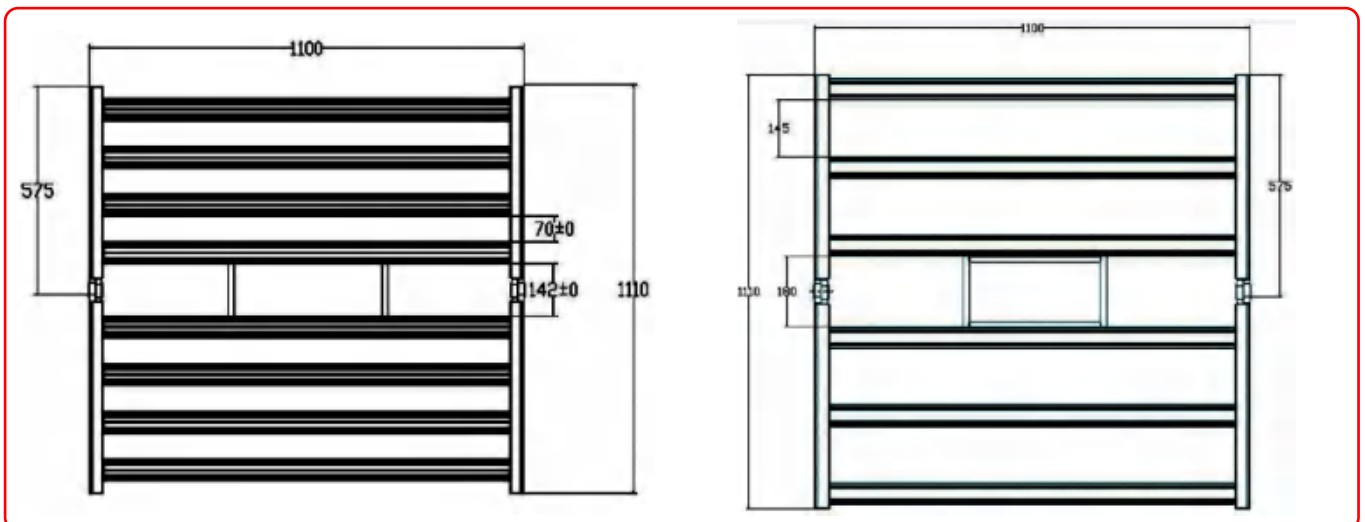
2. product feature

1. high-quality aluminum extruded heatsink, excellent heat dissipation effect, solid and durable products;
2. Use Samsung 301B/301H and osram 660nm LEDs, ultra high PPF, perfectly replace HPS 600W /1000W/2000W;
3. modularize from 2 ~ 12 bars, lpower ranged from 160 ~ 1200W;
4. Dimmable and power adjustable functions for different plants growing stages application.
5. IP65 waterproof design, be suitable in any environment.
6. UL listed;

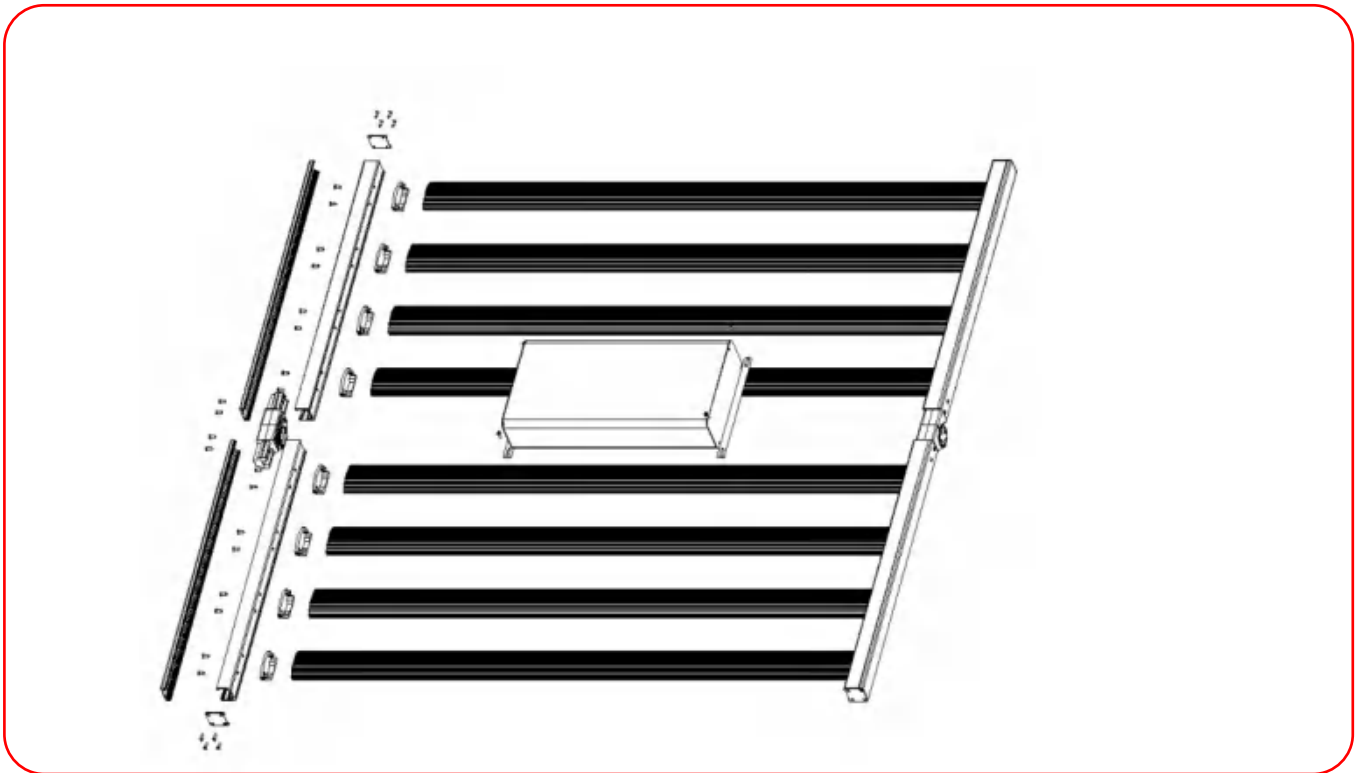
3.Quick Details

Keyword:	LED Full Spectrum spider bar UV IR Plant Growing Lamp	modules power range	2 ~ 12 bars 160 ~ 1200W(about 80 ~ 100W/module)
Model Number:	LB-IM250-WAAA-Y	main material of Housing	extruded 6063 aluminum heatsink
support customize	yes	optical structure design	optical silicon glued
typical Input Voltage(V):	AC100 ~ 240V, 50/60HZ	power factor	> 0,95
Driver Brand:	Meanwell/sosun/lightingbest/others	Extra function optional /Smart Functions:	Dimming/DALI /emergency lighting/ motion sensor/ZIGBEE intelligent control
Place of Origin:	China	product Brand:	lightingbest or customize
LED Chip Brand:	Samsung/osram/others	Luminous Efficacy($\mu\text{mol/J}$):	2.8
LED type	301B /301H/SMD3030	Beam angle:	120°
Color Temperature(CCT):	(Full Spectrum,red/blue ratio available or Customize)	CRI (Ra>):	70 ~ 90 optional
lifetime(Hours)	50000	Warranty	1 ~ 5 Years
certificate	CE、Rohs、UL	IP Rating:	IP65 Waterproof
Working Temperature($^{\circ}\text{C}$): storage temperature($^{\circ}\text{C}$):	-35 $^{\circ}\text{C}$ ~ +60 $^{\circ}\text{C}$ -30 $^{\circ}\text{C}$ ~ +50 $^{\circ}\text{C}$	Application:	Greenhouse, Seedling, Hydroponics, Horticultural,BLOOM, VEG
6 bars, 600W 8 bars, 800W 10 bars, 1000W 12 bars, 1200W	116*65*14CM 116*65*14CM 116*65*14CM 116*65*14CM	N.W./G.W. 6 bars, 600W 8 bars, 800W 10 bars, 1000W 12 bars, 1200W	10.1/11kg 11/12kg 11.9/13kg 12.8/14kg (KG)

4.1 partial product dimensions



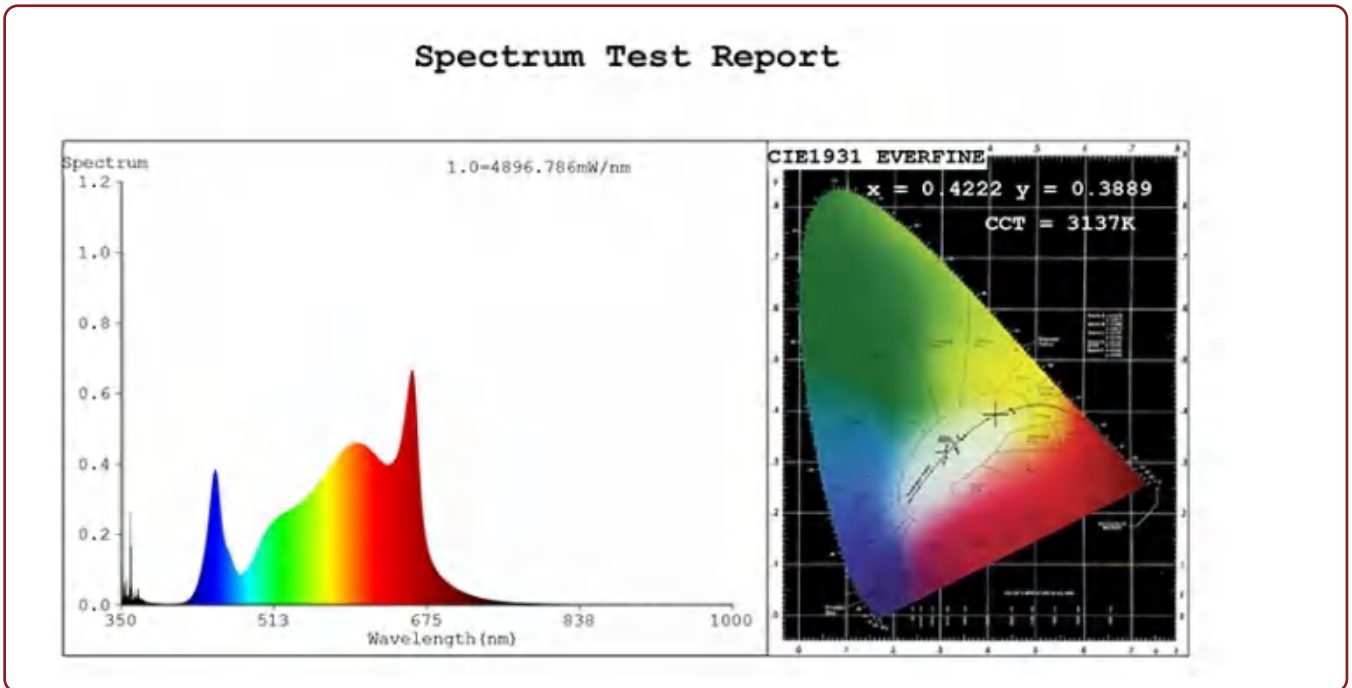
4.2 exploded picture



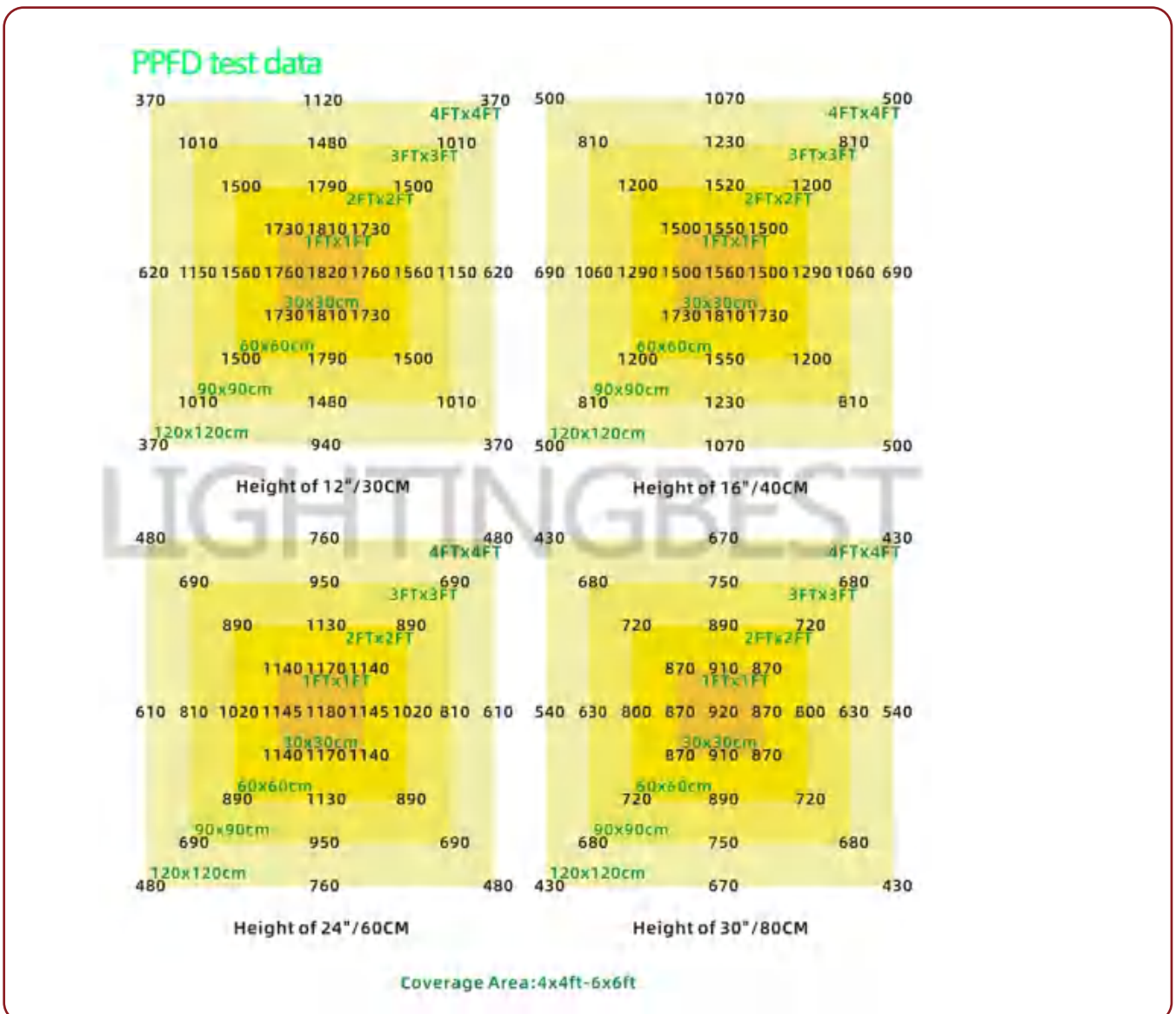
4.3 foldable design



4.4 spectrum distribution



4.5 PPFD test data



4.6 UL certificate

CERTIFICATE OF COMPLIANCE

Certificate Number 20150211-E472884
Report Reference E472884-20150129
Issue Date 2015-FEBRUARY-11

Issued to: LIGHTING BEST INTERNATIONAL LTD
ZONE A FL12,BLDG 22 CHUANGYE INDUSTRIAL ZONE
SHAPUWEI COMMUNITY SONGGANG ST BAOAN
SHENZHEN ,518104 CHINA

This is to certify that
representative samples of

LIGHT-EMITTING-DIODE SURFACE-MOUNTED LUMINAIRES
Suitable for wet Locations, Models: LB-DM500-WAAA, LB-DM500-
WBBB, LB-DM500-WAAA, LB-DM500-WBBB, LB-FS100-WAAA, LB-
FS115-WAAA, LB-FS200-WAAA, LB-FS225-WAAA, LB-FS290-WAAA,
LB-FS300-WAAA, LB-FS350-WAAA, LB-FS350-WBBB, LB-FS408-
WAAA, LB-FS408-WBBB, LB-FS408-WCCC, LB-FS500-WAAA, LB-
FS500-WBBB, LB-ID320-WCCC, LB-ID320-WDDD, LB-IM160-WAAA,
LB-IM160-WBBB, LB-IM160-WCCC, LB-IM200-WAAA, LB-IM200-
WBBB, LB-IM250-WAAA, LB-IM320-WAAA, LB-IM320-WBBB, LB-
IM320-WCCC, LB-IM320-WDDD, LB-IS200-WBBB, LB-RS530-WAAA,
LB-RS595-WAAA, LB-RS600-WAAA.

Have been investigated by UL in accordance with the
Standard(s) indicated on this Certificate.

Standard(s) for Safety: UL 1598 and CSA C22.2 No. 250.0-08 - Luminaires
UL 8750 - Light Emitting Diode (LED) Equipment for Use in Lighting
Products

Additional Information: See the UL Online Certifications Directory at
www.ul.com/database for additional information

Only those products bearing the UL Certification Mark should be considered as being covered by UL's
Certification and Follow-Up Service.

Look for the UL Certification Mark on the product.

Bruce Mahoney, Assistant Chief Engineer, Global Inspection and Field Services

UL LLC

Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL. For questions, please
contact a local UL Customer Service Representative at www.ul.com/contact.



4.7 CE, Rohs & Ip65 certifiacte

TCD

Certificate of Compliance

REPORT NO: TCD20150323103088-1
 CERTIFICATE NO: TCD20150323103088-1

Applicant: Lighting Best International Limited
Address: F12, Hdg ZEPujing Semiconductor Ind.Park, Chuangye Ind. Zone, Shapuwai Community, Songgang St, Baoan, Shenzhen

Manufacturer: Lighting Best International Limited
Address: F12, Hdg ZEPujing Semiconductor Ind.Park, Chuangye Ind. Zone, Shapuwai Community, Songgang St, Baoan, Shenzhen

Product: LED High Bay Light

Model: LB-45160-W033, LB-45160-W050, LB-45160-W063, LB-45160-W100, LB-45160-W110, LB-45160-W120, LB-45160-W130, LB-45160-W140, LB-45160-W150, LB-45160-W160, LB-45160-W170, LB-45160-W180, LB-45160-W190, LB-45160-W200, LB-45160-W210, LB-45160-W220, LB-45160-W230, LB-45160-W240, LB-45160-W250, LB-45160-W260, LB-45160-W270, LB-45160-W280, LB-45160-W290, LB-45160-W300, LB-45160-W310, LB-45160-W320, LB-45160-W330, LB-45160-W340, LB-45160-W350, LB-45160-W360, LB-45160-W370, LB-45160-W380, LB-45160-W390, LB-45160-W400, LB-45160-W410, LB-45160-W420, LB-45160-W430, LB-45160-W440, LB-45160-W450, LB-45160-W460, LB-45160-W470, LB-45160-W480, LB-45160-W490, LB-45160-W500, LB-45160-W510, LB-45160-W520, LB-45160-W530, LB-45160-W540, LB-45160-W550, LB-45160-W560, LB-45160-W570, LB-45160-W580, LB-45160-W590, LB-45160-W600, LB-45160-W610, LB-45160-W620, LB-45160-W630, LB-45160-W640, LB-45160-W650, LB-45160-W660, LB-45160-W670, LB-45160-W680, LB-45160-W690, LB-45160-W700, LB-45160-W710, LB-45160-W720, LB-45160-W730, LB-45160-W740, LB-45160-W750, LB-45160-W760, LB-45160-W770, LB-45160-W780, LB-45160-W790, LB-45160-W800, LB-45160-W810, LB-45160-W820, LB-45160-W830, LB-45160-W840, LB-45160-W850, LB-45160-W860, LB-45160-W870, LB-45160-W880, LB-45160-W890, LB-45160-W900, LB-45160-W910, LB-45160-W920, LB-45160-W930, LB-45160-W940, LB-45160-W950, LB-45160-W960, LB-45160-W970, LB-45160-W980, LB-45160-W990, LB-45160-W1000

Rated: LB-45200-W100, 100W, AC 100-240V, 50/60Hz

Test Standard: EN 60598-1:2013
 EN 61047:2009
 EN 61000-3-2:2006+A1:2009+A2:2009
 EN 61000-3-3:2013

The EUT described above has been tested by us with the listed standards and found to comply with the council EMC directive 2014/53/EU, it is possible to use CE marking to demonstrate the compliance with this EMC directive.

This certificate applies to the tested sample above mentioned only and shall not imply an assessment of the whole production, it is only valid in connection with the test report number: TCD20150323103088-1

Chief Engineer: [Signature]
 Date of Issue: Mar 23, 2015

Shenzhen TCD Testing Technology Co., LTD
 Tel: 0755-2976 8311 Fax: 0755-2976 1720
 #F 12, Hdg ZEPujing Semiconductor Ind.Park, Chuangye Ind. Zone, Shapuwai Community, Songgang St, Baoan, Shenzhen, Shenzhen, Guangdong, China

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Rated: LB-45200-W100, 100W, AC 100-240V, 50/60Hz

Test Standard: EN 60598-1:2013
 EN 61047:2009
 EN 60081-1:2004+A1:2006

The EUT described above has been tested by us with the listed standards and found to comply with the council LVD directive 2006/95/EC, it is possible to use CE marking to demonstrate the compliance with this LVD Directive.

This certificate applies to the tested sample above mentioned only and shall not imply an assessment of the whole production, it is only valid in connection with the test report number: TCD20150323103089-1

Chief Engineer: [Signature]
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Rated: LB-45200-W100, 100W, AC 100-240V, 50/60Hz

Test Standard: EPA 89080-1:1999, EN1122:2001
 EPA 89080-2:1999, EPA 89080-3:1999
 EPA 1198A-1:1992, EPA 35AUC:1998, EPA627D:2007
 IEC 62321-2:2009

This is to certify that, on the basis of the tests undertaken as per Report No TCD20150323103088-1, the submitted sample of the above item complies with the further testing requirement of the ROHS directive 2011/65/EU.

Chief Engineer: [Signature]
 Date of Issue: Mar 23, 2015

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Rated: LB-45200-W100, 100W, AC 100-240V, 50/60Hz

Test Standard: EN 60529:1997(A1):2000

The EUT described above has been tested by us with the listed standards and found to comply with the council LVD directive 2006/95/EC.

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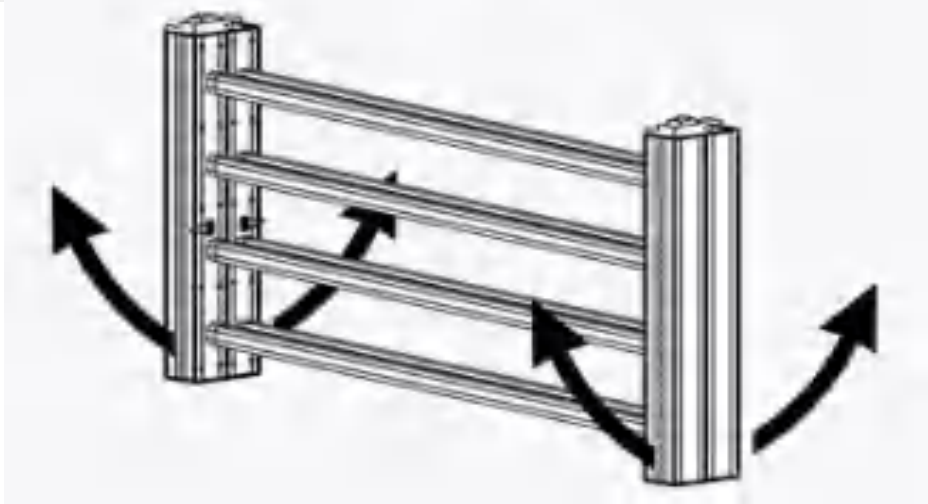
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5. application scene

General: Greenhouse, Seedling, Hydroponics, Horticultural, blooms, VEG etc.



6. packing



6. Contact us

mobile/wechat/whatsapp/skype(same number)

+86 13316916698