



2022 **PRODUCT CATALOGUE**
Professional LED Grow Lighting solutions



深圳市莱鑫科技有限公司

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SHENZHEN LIGHT ON TECHNOLOGY CO.,LIMITED

📍 Add:2/F,Jianyichuang Industrial Park,Songbai West Road,Shiyan Street,Baoan District,Shenzhen City,China

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🌐 Website:<https://lightontechnology.en.alibaba.com/>

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深圳市莱鑫科技有限公司

SHENZHEN LIGHT ON TECHNOLOGY CO.,LIMITED

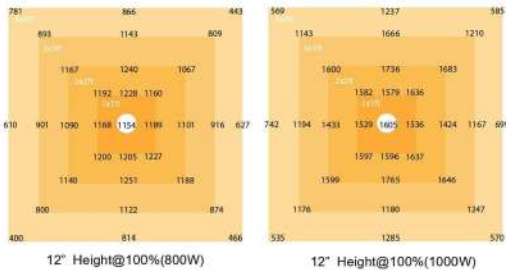


F06 series

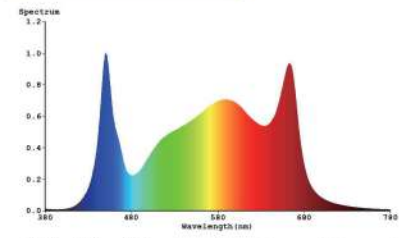
- Features:**
- 1 Slim design that is folding up to 180degrees easy install for vertical rack/indoor farms/grow tents;
 - 2 Fan free passive thermal management and best heat sink;
 - 3 6 and 8 lighting bars,perfectly PPFd with high uniformity;
 - 4 ETL,DLC,FCC,CE and RoHS certified;

Model No	GL640WF06-08MD	GL800WF06-08MD	GL1000WF06-08MD
Rated Wattage	640W	800W	1000W
Input Voltage	100~277VAC	100~277VAC	100~277VAC
Power Factor	>0.95	>0.95	>0.95
LED Brand	San'an	San'an	San'an
Driver Brand	MeanWell/Sosen/Fahold		
Lamp Size	1170*1129*64mm	1170*1129*64mm	1170*1129*64mm
PPF Value	1792umol/S	2240umol/S	2800umol/S
PPF Efficacy	2.8umol/j	2.8umol/j	2.8umol/j
Function	0-10V Knob Dimming	0-10V Knob Dimming	0-10V Knob Dimming
Coverage	4x4ft	5x5ft	6x6ft
Housing Color	Black&White	Black&White	Black&White
Material	Aluminum	Aluminum	Aluminum

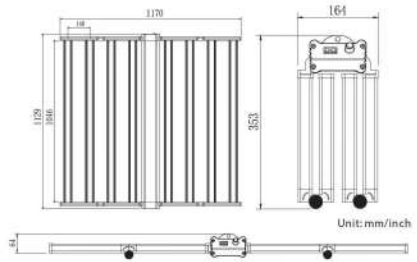
PPFD Reading



Spectrum Distribution



1. The UV and IR enhanced spectrum solution ready
2. Custom spectrum is available



Recommended Set-Up

- Multi Layer 4~5ft wide benches, 4"~6"from Canopy
- Indoor 6x6ft Vegative, 5x5ft Flower

Package Details

Item	Qty	Ctn Size	N.W/Ctn	G.W/Ctn
640W	1pcs	L1185*W200*H410mm	11.5kgs	12.5kgs
800W	1pcs	L1185*W200*H410mm	12kgs	13kgs
1000W	1pcs	L1185*W200*H410mm	13.7kgs	14.5kgs

Fixture&Accessory

- LED grow light fixture X1
- External RJ14 network Cable X1
- Input power cable x1
- Bracket x2
- Rope Ratchet x2



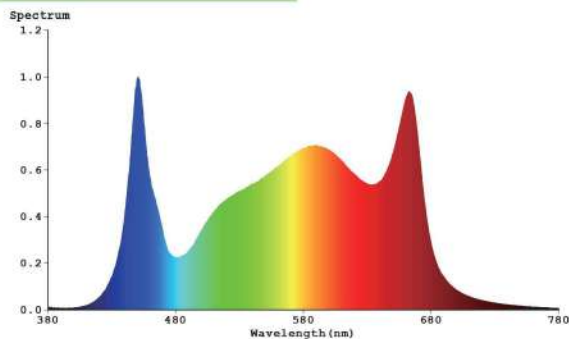
S04 series

Features:

- 1 Patented "Plug&Play" design;
- 2 Slim design that is folding up to 180degrees easy install for vertical rack/indoor farms/grow tents;
- 3 Fan free passive thermal management and best heat sink;
- 4 6 and 8 lighting bars, perfectly PPF with high uniformity;
- 5 ETL,DLC,FCC,CE and RoHS certified.

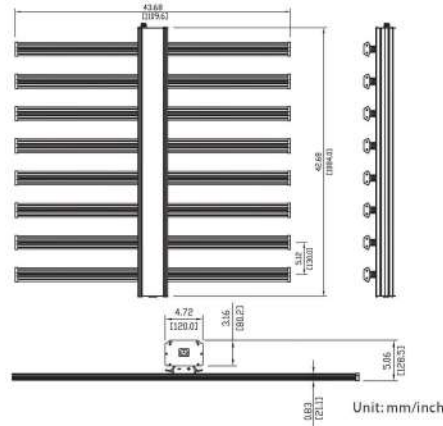
Model No	GL600WS04-06MD	GL800WS04-08MD
Rated Wattage	600W	800W
Input Voltage	100~277VAC	100~277VAC
Power Factor	>0.95	>0.95
LED Brand	San'an	San'an
Driver Brand	MeanWell/Sosen/Fahold	
Lamp Size	1084*1110*128mm	1084*1110*128mm
PPF Value	1680umol/S	2240umol/S
PPF Efficacy	2.8umol/j	2.8umol/j
Function	0-10V Knob Dimming	0-10V Knob Dimming
Coverage	4x4ft	5x5ft
Housing Color	Black&White	Black&White
Material	Aluminum	Aluminum

Spectrum Distribution



1. The UV and IR enhanced spectrum solution ready
2. Custom spectrum is available

Product size



Recommended Set-Up

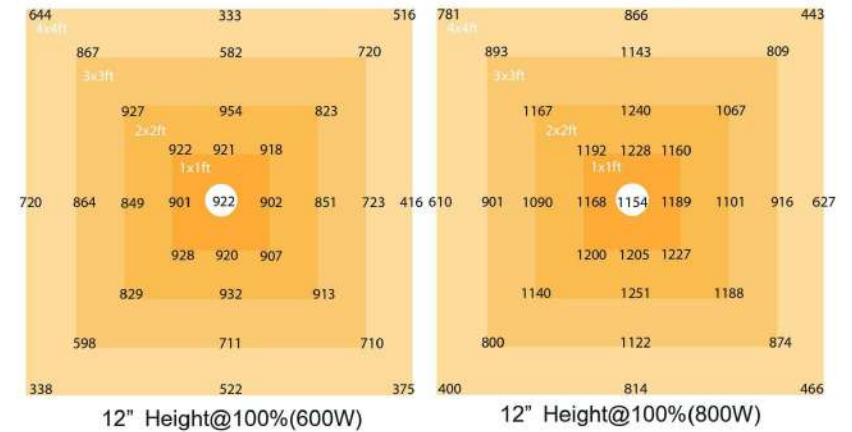
Multi Layer 4~5ft wide benches, 4"~6" from Canopy

Indoor 6x6ft Vegetative, 5x5ft Flower

Fixture&Accessory

- LED grow light fixture X1
- External RJ14 network Cable X1
- Input power cable x1
- Bracket x2
- Rope Ratchet x2

PPFD Reading



Package Detials

Item	Qty	Ctn Size	N.W/Ctn	G.W/Ctn
600W	1pcs	L1170*W350*H215mm	9.44kgs	12.14kgs
800W	1pcs	L1170*W350*H215mm	12.2kgs	14.8kgs

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MG-1930 series

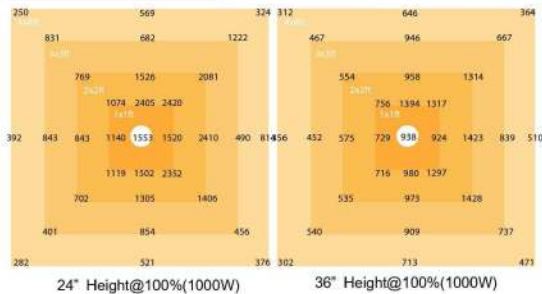


Features:

- 1:1 direct replacement for 1000W HPS fixture, at least 25% energy savings;
- Full Spectrum, High efficiency spectrum;
- Easy to Install, Efficient heat dissipation;
- High PPFD, High photon uniformity;

Model No	MG-1930e	MG-1930h
Rated Wattage	800W	800W
Input Voltage	100~277VAC	100~277VAC
Power Factor	>0.95	>0.95
LED Chips	SMD5050+3535	Osram 3535
Driver Brand	SOSEN	SOSEN
Lamp Size	758x328x102mm	758x328x102mm
PPF Value	2000umol/S	2160umol/S
PPF Efficacy	2.5umol/J	2.7umol/J
Protect Level	IP65	IP65
Coverage	4x6ft	4x6ft
Housing Color	White	White
Material	Aluminum+PC	Aluminum+PC

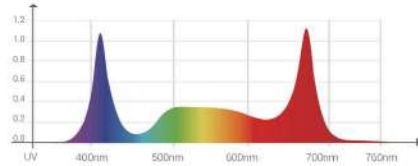
PPFD Reading



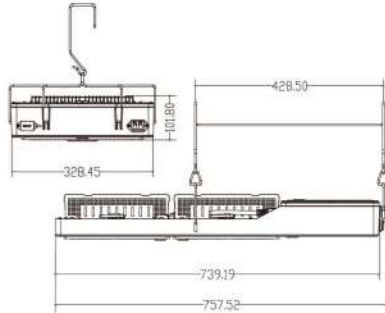
Package Details

Item	Qty	Ctn Size	N.W/Ctn	G.W/Ctn
800W	1pcs	L935xW495xH185	12.2Kgs	14.8Kgs

Spectrum Distribution



- Light from 400 to 520nm (blue) and 610 to 720nm (red) contributed the most to photosynthesis.
- The spectrum is customizable according to requirement

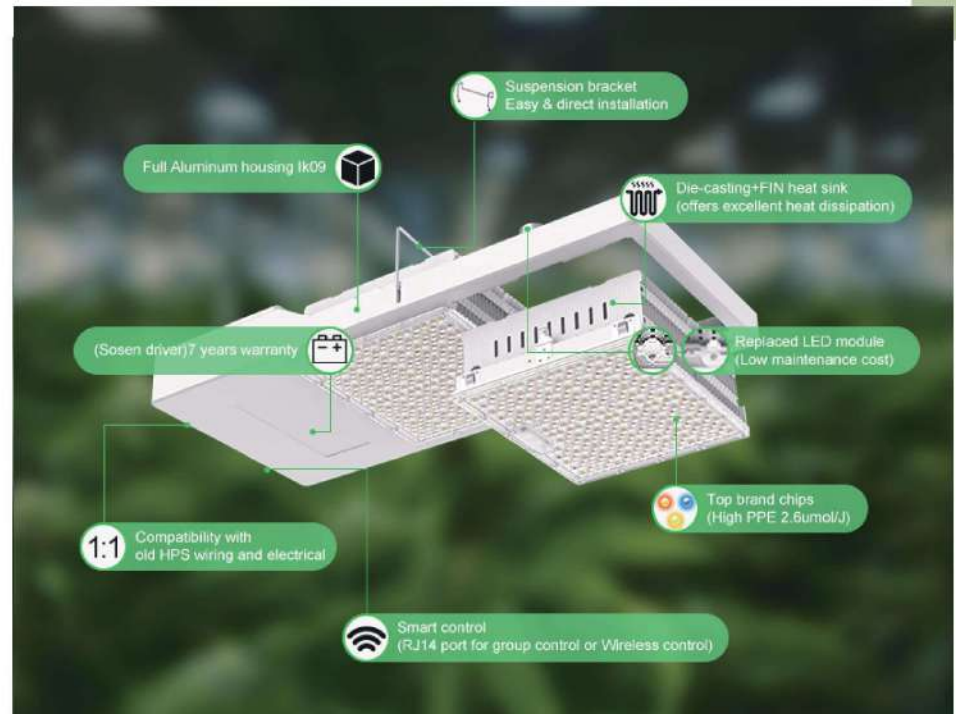


Recommended Set-Up

Indoor 4x6ft Flower/Vegetative

Fixture&Accessory

- LED Grow Light Fixturex1
- Mounting Bracketx2
- Unistrut Hangerx1
- Safety Wirex1
- External RJ14 Network Cablex1
- Input Power Cord 3Mx1



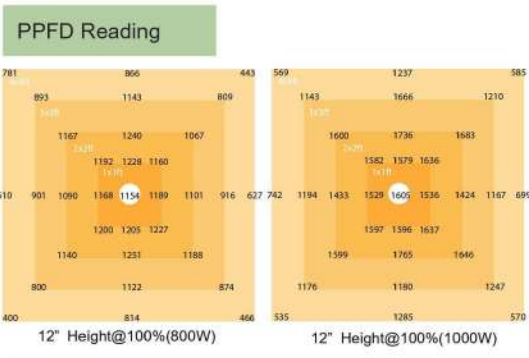
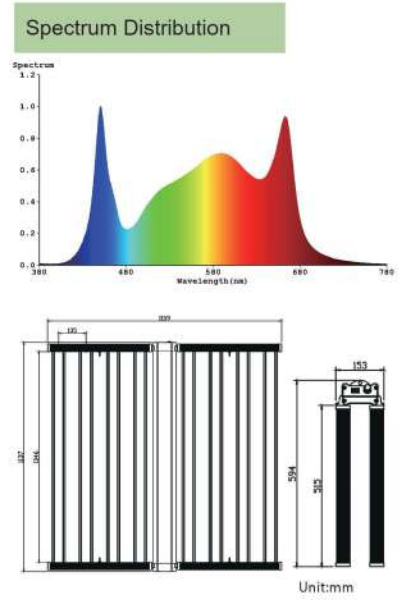


【Apply to the whole process of cannabis growth】

F04 series

- Features:**
- 1 Slim design that is folding up to 180degrees easy install for vertical rack/indoor farms/grow tents;
 - 2 Fan free passive thermal management and best heat sink;
 - 3 6 and 8 lighting bars,perfectly PPFd with high uniformity;
 - 4 ETL,DLC,FCC,CE and RoHS certified;

Model No	GL640WF04-08MD	GL800WF04-08MD	GL1000WF04-08MD
Rated Wattage	640W	800W	1000W
Input Voltage	100~277VAC	100~277VAC	100~277VAC
Power Factor	>0.95	>0.95	>0.95
LED Brand	San'an	San'an	San'an
Driver Brand	MeanWell/Sosen/Fahold		
Lamp Size	1170*1129*64mm	1170*1129*64mm	1170*1129*64mm
PPF Value	1792umol/S	2240umol/S	2800umol/S
PPF Efficacy	2.8umol/j	2.8umol/j	2.8umol/j
Function	0-10V Knob Dimming	0-10V Knob Dimming	0-10V Knob Dimming
Coverage	4x4ft	5x5ft	6x6ft
Housing Color	Black&White	Black&White	Black&White
Material	Aluminum	Aluminum	Aluminum



- Recommended Set-Up**
- Multi Layer 4~5ft wide benches, 4"~6" from Canopy
 - Indoor 6x6ft Vegetative, 5x5ft Flower

Package Details

Item	Qty	Ctn Size	N.W/Ctn	G.W/Ctn
640W	1pcs	L1185*W200*H650mm	13.5kgs	15.2kgs
800W	1pcs	L1185*W200*H650mm	13.5kgs	15.2kgs
1000W	1pcs	L1185*W200*H650mm	15.2kgs	16.8kgs

- Fixture&Accessory**
- LED grow light fixture X1
 - External RJ14 network Cable X1
 - Input power cable x1
 - Bracket x2
 - Rope Ratchet x2



F03 series

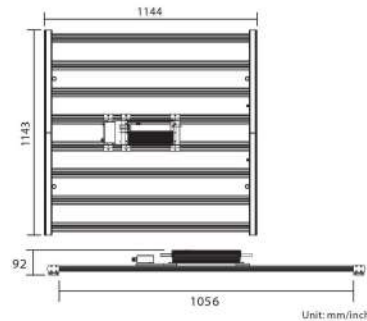
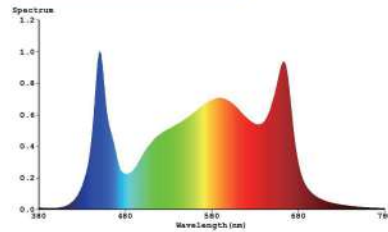


Features:

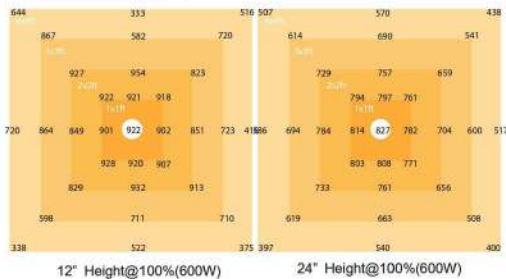
- 1 Slim design that is folding up to 180degrees easy install for vertical rack/indoor farms/grow tents;
- 2 Fan free passive thermal management and best heat sink;
- 3 6 and 8 lighting bars,perfectly PPFD with high uniformity;
- 4 ETL,DLC,FCC,CE and RoHS certified;

Model No	GL800WF03-08YD
Rated Wattage	600W
Input Voltage	100~277VAC
Power Factor	>0.95
LED Brand	San'an
Driver Brand	Inventronics
Lamp Size	1144*1143*92mm
PPF Value	1680umol/S
PPF Efficacy	2.8umol/j
Function	0-10V Knob Dimming
Coverage	4x4ft
Housing Color	Black&White
Material	Aluminum

Spectrum Distribution



PPFD Reading



Recommended Set-Up

- Multi Layer 4~5ft wide benches, 4"~6"from Canopy
- Indoor 6x6ft Vegetative, 5x5ft Flower



The growth process of cannabis



Package Details

Item	Qty	Ctn Size	N.W/Ctn	G.W/Ctn
600W	1pcs	L1230*W160*H680mm	10.6kgs	11.35kgs
Driver Box	1pcs	L1170*W350*H215mm	12.2kgs	14.8kgs

Fixture&Accessory

- LED grow light fixture X1
- External RJ14 network Cable X1
- Input power cable x1
- Bracket x2
- Rope Ratchet x2



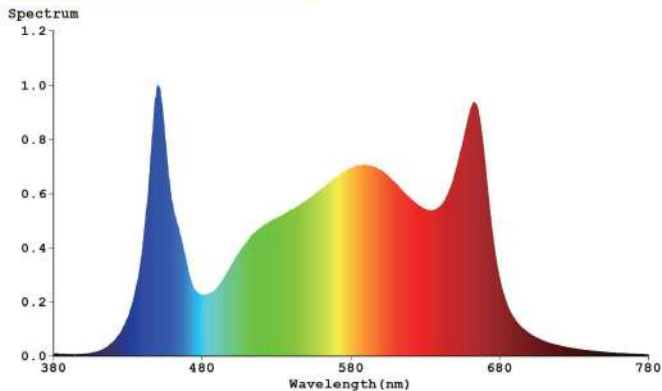
F03 400W

Features:

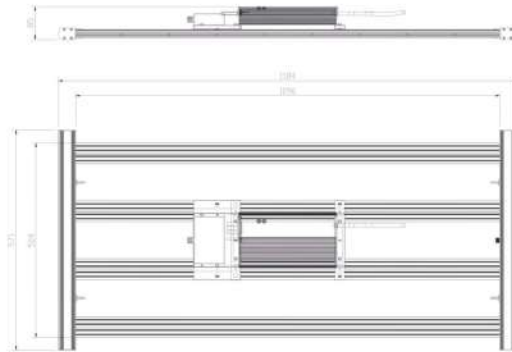
- 1 Slim design perfect for vertical and indoor growing
- 2 Max output power 400W with 2.7umol/J PPE
- 3 Fan free passive thermal management and best heat sink
- 4 Dimmable and daisy-chainable for group control

Model No	GL400WF03-04SD
Rated Wattage	400W
Input Voltage	100~277VAC
Power Factor	>0.95
LED Brand	San'an
Driver Brand	Sosen
Lamp Size	1184*571*85mm
PPF Value	1080umol/S
PPF Efficacy	2.7umol/J
Function	0-10V Knob Dimming
Coverage	5x2.5ft
Housing Color	Black&White
Material	Aluminum

Spectrum Distribution



Product size

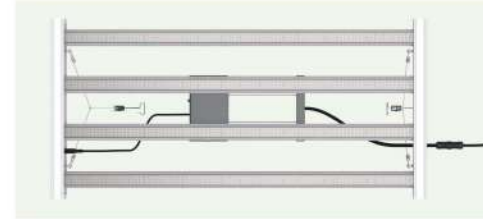


Recommended Set-Up

- Multi Layer 4~5ft wide benches, 4"~6" from Canopy
- Indoor 5x2.5ft Vegetative, 4x2ft Flower

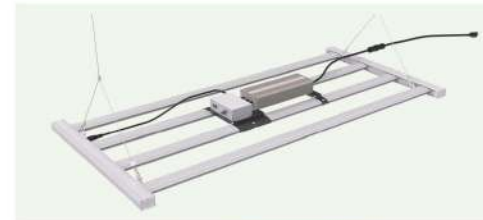
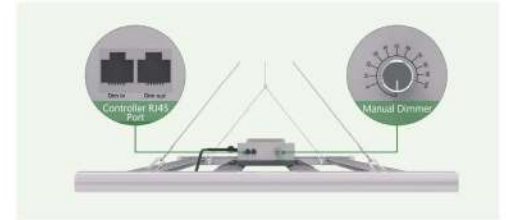
Fixture&Accessory

- LED grow light fixture X1
- External RJ14 network Cable X1
- Input power cable x1
- Bracket x2
- Rope Ratchet x2



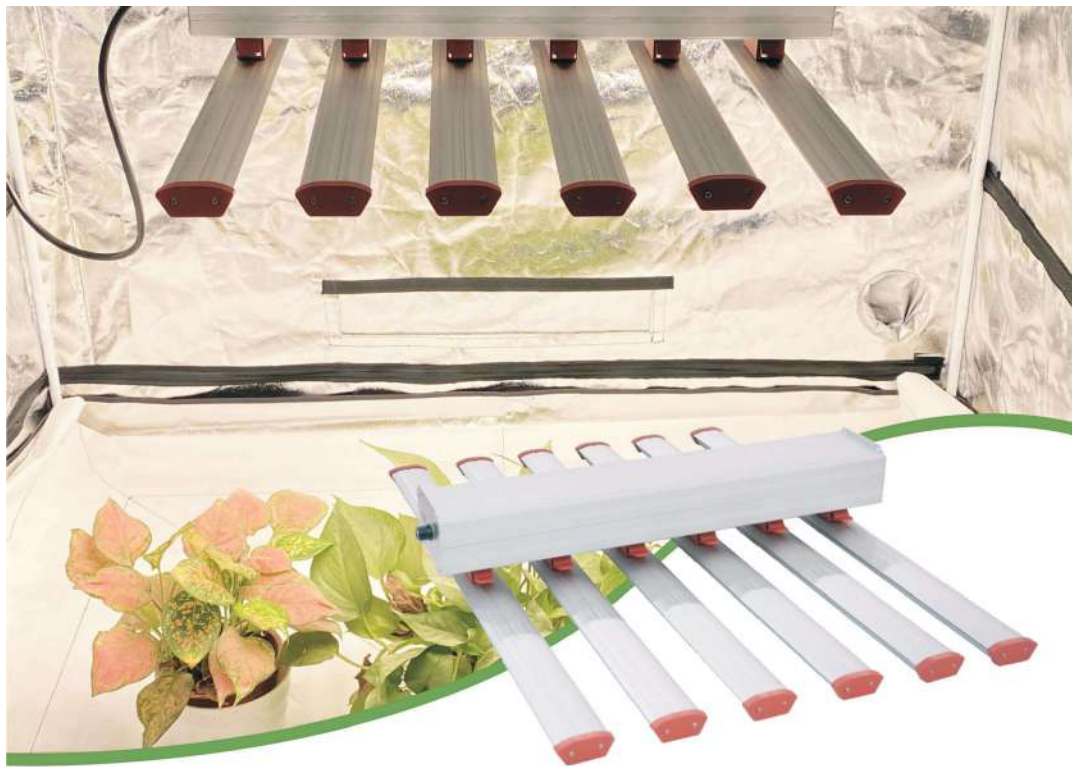
Full spectrum and high PPE LED chips

Manual Dimmable & Daisy-chainable



Compact aluminum profile





MINI S04 series

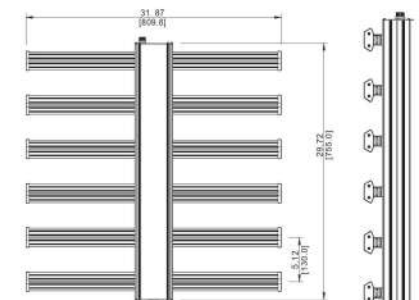
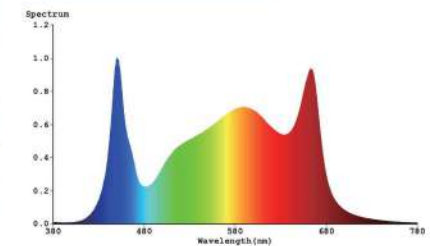
liteongrow

LED LIGHT FOR PLANT GROW

Specification

Model No	GL400WS04
Rated Wattage	400W
Input Voltage	100~277VAC
Power Factor	>0.95
LED Brand	San'an
Driver Brand	MeanWell/Sosen/Fahold
Lamp Size	810*755*128mm
PPF Value	1040umol/S
PPF Efficacy	2.6umol/j
Function	0-10V Knob Dimming
Coverage	3x3ft
Housing Color	Sliver&Red
Material	Aluminum

Spectrum Distribution

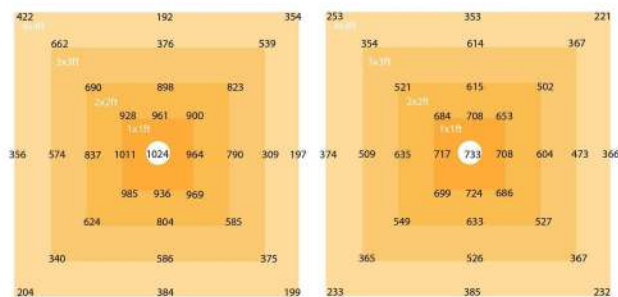


Unit: mm/inch

Features:

- 1 Patented "Plug&Play" design;
- 2 Slim design that is folding up to 180degrees easy install for grow tents;
- 3 Fan free passive thermal management and best heat sink;
- 4 6 lighting bars,perfectly PPFD with high uniformity;
- 5 ETL,DLC,FCC,CE and RoHS certified;

PPFD Reading



18" Height@100%(400W)

24" Height@100%(400W)

Recommended Set-Up

Grow Tent 4~5ft wide Tent,
4"~6" from Canopy

Fixture&Accessory

LED grow light fixture X1
External RJ14 network Cable X1
Input power cable x1
Bracket x2
Rope Ratchet x2

Package Details

Item	Qty	Ctn Size	N.W/Ctn	G.W/Ctn
400W	1pcs	L870*W290*H220mm	6.68kgs	8.15kgs

AUTHORIZATION TO MARK

This authorizes the application of the Certification Mark(s) shown below to the models described in the Product(s) Covered section when made in accordance with the conditions set forth in the Certification Agreement and Listing Report. This authorization also applies to multiple listee model(s) identified on the correlation page of the Listing Report.

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Applicant: Shenzhen Light On Technology Co., Ltd. **Manufacturer:** Shenzhen Light On Technology Co., Ltd.

Address: 2/F, Jianyichuanggu Industrial Park, Songbai West Road, Shiyan Street, BAOAN DISTRICT, Shenzhen - **Address:** 2/F, Jianyichuanggu Industrial Park, Songbai West Road, Shiyan Street, BAOAN DISTRICT, Shenzhen -

Country: CHINA **Country:** CHINA

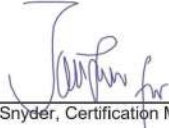
Contact: Yang Jian **Contact:** Yang Jian

Phone: 0086 13632778187 **Phone:** 0086 13632778187

FAX: 0086-755-23729642 **FAX:** 0086-755-23729642

Email: dave@lightontechnology.com **Email:** dave@lightontechnology.com

Party Authorized To Apply Mark: Same as Manufacturer
Report Issuing Office: Intertek Testing Services Shanghai Limited


Control Number: 5020097 **Authorized by:**  for L. Matthew Snyder, Certification Manager



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Intertek Testing Services NA Inc.
 545 East Algonquin Road, Arlington Heights, IL 60005
 Telephone 800-345-3851 or 847-439-5667 Fax 312-283-1672

Standard(s):	Horticultural Lighting Equipment and Systems [ANSI/CAN/UL 8800:2019 Ed.1] Luminaires [UL 1598:2021 Ed.5] Luminaires [CSA C22.2#250.0:2021 Ed.5]
Product:	Horticultural Lighting
Brand Name:	
Models:	LION-GL640WF4-; followed by 06 or 08; followed by HD, MD or SD; may be followed by one characters. LION-GL800WF4-08 or LION-GL1000WF4-08; followed by MD or S; may be followed by one characters.

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Country: CHINA **Country:** CHINA


Contact: Yang Jian **Contact:** Yang Jian

Phone: 0086 13632778187 **Phone:** 0086 13632778187

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Intertek Testing Services NA Inc.
 545 East Algonquin Road, Arlington Heights, IL 60005
 Telephone 800-345-3851 or 847-439-5667 Fax 312-283-1672

Standard(s):	Horticultural Lighting Equipment and Systems [ANSI/CAN/UL 8800:2019 Ed.1] Luminaires [UL 1598:2018 Ed.4] Luminaires [CSA C22.2#250.0:2018 Ed.4]
Product:	Horticultural Lighting
Brand Name:	
Models:	LION-GL600WS4 followed by -06 or -08; followed by MD, SD, YD or JD; may be followed by one character. LION-GL640WS4, LION-GL720WS4 or LION-GL800WS4; followed by -08; followed by MD, SD, YD or HD; may be followed by one character. LION-GL600WF3 followed by -06 or -08; followed by MD, YD or SD; may be followed by one character. LION-GL80WL1 or LION-GL100WL1; followed by -01; followed by MD; may be followed by one character.

DesignLights Consortium



Model Number	LION-GL800WS4-08MD1
Product Name	LED GROW LIGHT
Product ID	H-0ZICPYU
QPL	Horticultural
Manufacturer	Shenzhen Light On Technology Co., Ltd.
Brand Name	LIGHT ON
Listing Status	Listed
Date Qualified	2021-05-11

PRODUCT INFORMATION VIEW DETAILS

Qualified Product List	Horticultural
Product ID	H-0ZICPYU
Manufacturer	Shenzhen Light On Technology Co., Ltd.
Brand	LIGHT ON
Product Name	LED GROW LIGHT
Model Number	LION-GL800WS4-08MD1
Technical Requirements Version	2.1
Input Power Type	AC
Fixture Maximum Ambient Temp	45 °C

PRODUCT CATEGORIZATION VIEW DETAILS

Category	Horticultural Lighting Fixture
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PRODUCT CAPABILITIES VIEW DETAILS

Fan Presence	No
Spectrally Tunable	No
Dimmable	Yes

REPORTED ELECTRICAL PERFORMANCE VIEW DETAILS

Voltage Range	120 - 277 V
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TESTED PHOTOMETRIC PERFORMANCE VIEW DETAILS

Tested Photosynthetic Photon Efficacy ($\mu\text{mol}/\text{J}$) (400-700nm)	2.65 $\mu\text{mol}/\text{J}$
Tested Photosynthetic Photon Flux ($\mu\text{mol}/\text{s}$) (400-700nm)	2114.31 $\mu\text{mol}/\text{s}$
Tested Photon Flux Blue ($\mu\text{mol}/\text{s}$) (400-500nm)	380.45 $\mu\text{mol}/\text{s}$
Tested Photon Flux Green ($\mu\text{mol}/\text{s}$) (500-600nm)	889.31 $\mu\text{mol}/\text{s}$
Tested Photon Flux Red ($\mu\text{mol}/\text{s}$) (600-700nm)	844.55 $\mu\text{mol}/\text{s}$
Tested Photon Flux Far Red ($\mu\text{mol}/\text{s}$) (700-800nm)	59.21 $\mu\text{mol}/\text{s}$

TESTED ELECTRICAL PERFORMANCE VIEW DETAILS

DesignLights Consortium



Model Number	LION-GL600WF3-08YD1
Product Name	LED GROW LIGHT
Product ID	H-6T4A5OF
QPL	Horticultural
Manufacturer	Shenzhen Light On Technology Co., Ltd.
Brand Name	LIGHT ON
Listing Status	Listed
Date Qualified	2021-05-07

PRODUCT INFORMATION VIEW DETAILS

Qualified Product List	Horticultural
Product ID	H-6T4A5OF
Manufacturer	Shenzhen Light On Technology Co., Ltd.
Brand	LIGHT ON
Product Name	LED GROW LIGHT
Model Number	LION-GL600WF3-08YD1
Technical Requirements Version	2.1
Input Power Type	AC
Fixture Maximum Ambient Temp	45 °C

PRODUCT CATEGORIZATION VIEW DETAILS

Category	Horticultural Lighting Fixture
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PRODUCT CAPABILITIES VIEW DETAILS

Fan Presence	No
Spectrally Tunable	No
Dimmable	Yes

REPORTED ELECTRICAL PERFORMANCE VIEW DETAILS

Voltage Range	120 - 277 V
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TESTED PHOTOMETRIC PERFORMANCE VIEW DETAILS

Tested Photosynthetic Photon Efficacy ($\mu\text{mol}/\text{J}$) (400-700nm)	2.72 $\mu\text{mol}/\text{J}$
Tested Photosynthetic Photon Flux ($\mu\text{mol}/\text{s}$) (400-700nm)	1624.54 $\mu\text{mol}/\text{s}$
Tested Photon Flux Blue ($\mu\text{mol}/\text{s}$) (400-500nm)	292.44 $\mu\text{mol}/\text{s}$
Tested Photon Flux Green ($\mu\text{mol}/\text{s}$) (500-600nm)	697.95 $\mu\text{mol}/\text{s}$
Tested Photon Flux Red ($\mu\text{mol}/\text{s}$) (600-700nm)	634.15 $\mu\text{mol}/\text{s}$
Tested Photon Flux Far Red ($\mu\text{mol}/\text{s}$) (700-800nm)	51.3 $\mu\text{mol}/\text{s}$

TESTED ELECTRICAL PERFORMANCE VIEW DETAILS