

VIPARSPECTRA®



MEAN WELL  
Driver



SAMSUNG  
LM301B LEDs

# XS SERIES

## USER INSTRUCTIONS



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## HIGH EFFICIENCY

### XS SERIES

XS1500 , XS2000, XS4000



## SAFETY INFORMATION

Dear Users,

Thank you for choosing our products! Please read this instruction carefully before using your lights.

**1. CAUTION:** Do not look directly at the LED bulbs when the lighting equipment is working.

**2. CAUTION:** The minimum required distances between adjacent lighting equipment is 4 inches (10cm) and between the lighting equipment and combustible materials is 40 inches (100cm) such as walls, ceilings, movable partitions, and the like (providing these installation limitations are needed to prevent overheating of lighting equipment or combustible materials within the installation environment).

**3.** The maximum temperature of the installed environment (ambient temperature) will ensure the safe operation of the lighting equipment. So you will need to control the temperature within the installed environment. (Example: mechanical ventilation or cooling system is required to maintain the temperature within the growing space below 104°F (or 40°C) when the lighting equipment is in operation).

**4.** Instructions to guide the installation such that cords:

- Are not concealed or extended through a wall, floor, ceiling, or other parts of the building structure,
- Are not located above a suspended ceiling or dropped ceiling,
- Are not permanently affixed to the building structure,
- Are routed so that they are not subject to strain and are protected from physical damage,
- Are visible over their entire length, and
- Are used within their rated ampacity as determined for the maximum temperature of the installed environment specified in the instructions.

**5.** This lighting equipment is for indoor use only. Not water-proof, protect your lighting equipment from dampness, dust, and water.

**6. CAUTION:** For horticultural lighting structures, installation shall be performed by qualified personnel and that the structures are intended for installation subject to approval by the authority having jurisdiction.

**7.** Set up your light in the operating environment that allows for adequate air circulation. Never push objects into the ventilation openings.

**8.** When cleaning the outside of your light and its components, first, you need to shut off your light, then unplug the power cord. Using a clean, soft, lint-free cloth to wipe the light. Avoid getting moisture in any openings.

**9. CAUTION:** Possibly hazardous optical radiation emitted from this product. Do not stare at the operating lamp. May be harmful to the eyes.

# XS1500

## XS1500 SPECIFICATION

Model	<b>XS1500</b>	HID Replacement	<b>250W HPS/MH</b>
Feature	<b>Dimmable</b>	Vegetative Coverage at 18"	<b>2.5 x 2.5 ft</b>
Actual Power	<b>150W ± 5%</b>	Flowering Coverage at 14"	<b>2 x 2 ft</b>
LED Quantities	<b>288 pcs</b>	Use for	<b>All growth stages</b>
Total Harmonic Distortion	<b>&lt; 15%</b>	Housing Dimensions	<b>14 x 10.8 x 3 inches</b>
Input	<b>AC100-240V~1.4A</b>	Item Weight	<b>5.6 lbs</b>
Frequency	<b>50/60Hz</b>	Lifespan	<b>≥ 100,000 hours</b>
Package Includes	<b>1 x XS1500; 2 x Hanging Kits; 2 x Adjustable Rope Hangers; 1 x Power Cord.</b>		



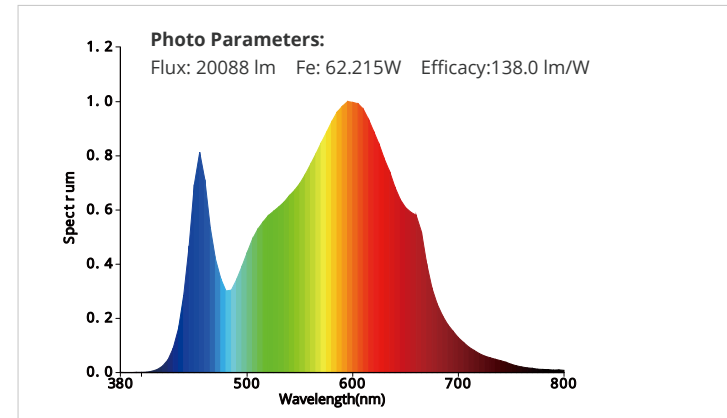
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- \* This light includes IR (Infrared) LEDs which look dim, they are not faulty LEDs.
- \* Dimmer Knob: to adjust the brightness of light spectrum from 5% to 100%.
- \* Light housing's temps would become higher after working several hours. Do not touch the operating lamp.
- \* SUITABLE FOR OPERATION IN AMBIENT NOT EXCEEDING 104°F (or 40°C).

## XS1500 SPECTRUM



## XS1500 PPF MAP - Tested in a 2x2 ft Grow Tent

Average PPF: **791** Distance: **12"** (30cm)

537	694	670	578
675	1127	1141	755
674	1064	1071	749
527	613	655	565

Average PPF: **553** Distance: **18"** (45cm)

454	534	522	497
549	639	637	612
518	625	617	556
427	539	524	480

2 ft

## USING SUGGESTIONS

XS1500	Height (above plants' canopy)	Using Hours	Brightness
<b>3-5 Days Acclimation Period</b>	<b>24"-28"</b>	<b>10 on / 14 off</b>	<b>40%</b>
<b>Seedlings/Young Vegetative</b>	<b>20"-24"</b>	<b>12 on / 12 off</b>	<b>60%</b>
<b>Vegetative Stage</b>	<b>16"-20"</b>	<b>18 on / 6 off</b>	<b>100%</b>
<b>Flowering Stage</b>	<b>12"-16"</b>	<b>12 on / 12 off</b>	<b>100%</b>

# XS2000

## XS2000 SPECIFICATION

Model	<b>XS2000</b>	HID Replacement	<b>600W HPS/MH</b>
Feature	<b>Dimmable</b>	Vegetative Coverage at 24"	<b>4 x 4 ft</b>
Actual Power	<b>240W ± 5%</b>	Flowering Coverage at 20"	<b>3 x 3 ft</b>
LED Quantities	<b>504 pcs</b>	Use for	<b>All growth stages</b>
Total Harmonic Distortion	<b>&lt; 15%</b>	Housing Dimensions	<b>20 x 12 x 3 inches</b>
Input	<b>AC100-240V~2.3A</b>	Item Weight	<b>7.9 lbs</b>
Frequency	<b>50/60Hz</b>	Lifespan	<b>≥ 100,000 hours</b>
Package Includes	<b>1 x XS2000; 2 x Hanging Kits; 2 x Adjustable Rope Hangers; 1 x Power Cord.</b>		



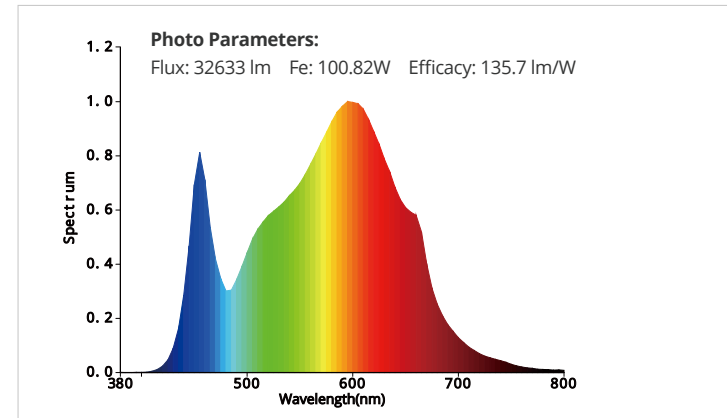
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- \* Dimmer Knob: to adjust the brightness of light spectrum from 5% to 100%.
- \* Light housing's temps would become higher after working several hours. Do not touch the operating lamp.
- \* SUITABLE FOR OPERATION IN AMBIENT NOT EXCEEDING 104°F (or 40°C).

## XS2000 SPECTRUM



## XS2000 PPF MAP - Tested in a 3x3 ft Grow Tent

Average PPF: 592 Distance: 12" (30cm)

251	266	307	296	252	229
388	547	713	717	565	340
523	986	1417	1389	872	527
513	895	1337	1291	901	510
344	512	681	635	529	383
234	254	287	318	249	237

Average PPF: 474 Distance: 18" (45cm)

298	313	349	349	361	289
435	501	578	571	473	305
480	666	793	772	540	395
488	652	758	754	584	442
342	442	537	512	420	373
296	320	387	365	301	287

3 ft

## USING SUGGESTIONS

XS2000	Height (above plants' canopy)	Using Hours	Brightness
<b>3-5 Days Acclimation Period</b>	<b>30"-34"</b>	<b>10 on / 14 off</b>	<b>40%</b>
<b>Seedlings/Young Vegetative</b>	<b>26"-30"</b>	<b>12 on / 12 off</b>	<b>60%</b>
<b>Vegetative Stage</b>	<b>22"-26"</b>	<b>18 on / 6 off</b>	<b>100%</b>
<b>Flowering Stage</b>	<b>18"-22"</b>	<b>12 on / 12 off</b>	<b>100%</b>

# XS4000

## XS4000 SPECIFICATION

Model	<b>XS4000</b>	HID Replacement	<b>1200W HPS/MH</b>
Feature	<b>Dimmable</b>	Vegetative Coverage at 28"	<b>5 x 5 ft</b>
Actual Power	<b>480W ± 5%</b>	Flowering Coverage at 24"	<b>4 x 4 ft</b>
LED Quantities	<b>1008 pcs</b>	Use for	<b>All growth stages</b>
Total Harmonic Distortion	<b>&lt; 15%</b>	Housing Dimensions	<b>40 x 12 x 3 inches</b>
Input	<b>AC100-240V~4.6A</b>	Item Weight	<b>16.5 lbs</b>
Frequency	<b>50/60Hz</b>	Lifespan	<b>≥ 100,000 hours</b>
Package Includes	<b>1 x XS4000; 2 x Hanging Kits; 2 x Adjustable Rope Hangers.</b>		



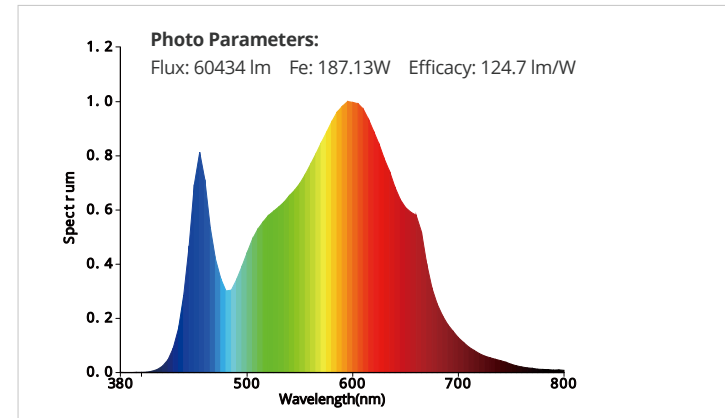
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- \* SUITABLE FOR OPERATION IN AMBIENT NOT EXCEEDING 104°F (or 40°C).

## XS4000 SPECTRUM



## XS4000 PPFD MAP - Tested in a 4x4 ft Grow Tent

Average PPFd: **746** Distance: **12"** (30cm)

208	227	241	240	246	234	211	206
323	344	410	427	415	389	361	287
572	756	862	927	897	892	778	581
982	1396	1600	1591	1619	1642	1448	997
1019	1554	1732	1717	1742	1729	1497	999
614	852	997	1038	1049	1063	900	648
327	378	415	453	454	449	441	363
217	240	239	247	253	265	281	235

Average PPFd: **631** Distance: **18"** (45cm)

307	322	339	350	357	340	317	327
409	445	504	532	537	527	482	461
569	674	740	771	785	759	731	629
766	911	1030	1077	1088	1063	950	814
789	944	1055	1089	1074	1038	920	796
627	717	801	849	819	788	720	605
425	462	491	478	484	482	442	459
318	310	317	337	342	357	316	323

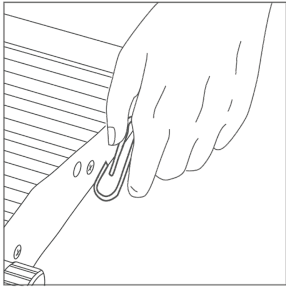
4 ft

4 ft

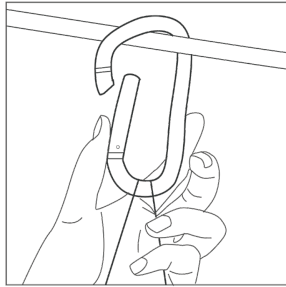
## USING SUGGESTIONS

XS4000	Height (above plants' canopy)	Using Hours	Brightness
<b>3-5 Days Acclimation Period</b>	<b>34"-38"</b>	<b>10 on / 14 off</b>	<b>40%</b>
<b>Seedlings/Young Vegetative</b>	<b>30"-34"</b>	<b>12 on / 12 off</b>	<b>60%</b>
<b>Vegetative Stage</b>	<b>26"-30"</b>	<b>18 on / 6 off</b>	<b>100%</b>
<b>Flowering Stage</b>	<b>22"-26"</b>	<b>12 on / 12 off</b>	<b>100%</b>

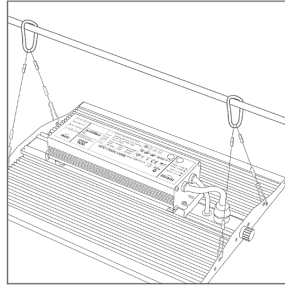
## INSTALLATION



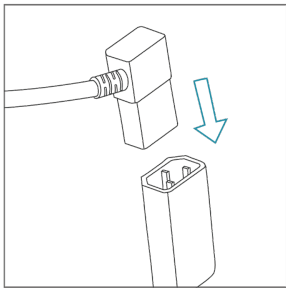
**1.** Join spring hooks to hanging holders one by one.



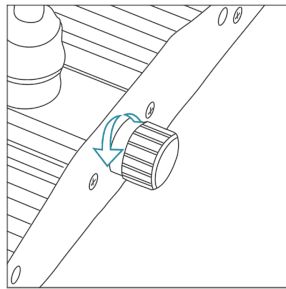
**2.** Use carabiners to hang the light on a stable bracket.



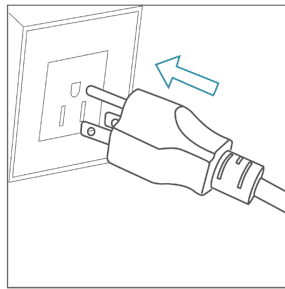
**3.** Install the light above your plants safely.



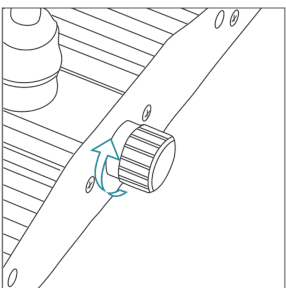
**4.** Connect the power cord to the light.



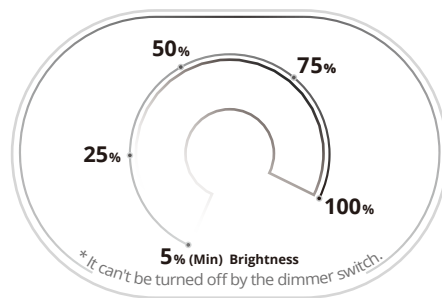
**5.** Rotate the dimmer knob to the Min.



**6.** Plug the power cord into the wall.



**7.** Rotate the dimmer knob to your desired brightness.



## WARRANTY TERMS

**1.** This warranty applies only if you purchased your products in the United States.

**2.** We offer 3 years warranty for our XS Series LED grow lights purchased against manufacturing defects from the date of purchase. If you need any warranty assistance, please contact us as soon as possible.

**3.** The warranty does not cover damage due to high moisture levels, water, power surges, improper hanging or mounting, incorrectly use, dust build-up, or user modifications.

**4.** If your light has any quality issue within 30 days, please kindly contact us. We will email you a prepaid return label if the lights need to be returned to our warranty center. You can choose:



**Replacement.** Please send the light back to our warranty center. A new replacement will be shipped to you for free as soon as we receive the defective light.



**Money-Back.** Please send the light back to our warranty center. You will get your money back as soon as we receive the defective light.



**Repairing.** We can send the part immediately if it is missing part or accessory issue. Or you also can choose to return the light. We will send the light back to you after fixing it. It will not cost any repair charge — all for free.

**5. Repairing.** If any light has any quality issue over 30 days after delivery, please kindly contact us to get a satisfactory solution. We can send the part free of charge immediately if it is missing part or accessory issue. Or you also can choose to return the light with the provided prepaid shipping label. We will send the light back to you after fixing it — all for free.

**6.** For customers outside the US, you will also enjoy 3 years US warranty. Back and forth shipping cost from your country to our US warranty center would be buyer's responsibility. All repairs are only processed within the United States.

**7.** If a light was not covered under warranty, we might still be able to perform warranty service. However, that is at our discretion, and repair may bear a cost that will be assessed before repairing the light.

Our company reserves the interpretation right of this warranty structure. If you have any questions about our warranty policy, please kindly contact us.