

Quantum board series

LED grow light specifications

LED grow light simulates the solar spectrum through artificial light sources, so as to partially replace or completely replace sunlight to promote photosynthesis for plants.

伟照业 / WINLIGHT

量子板系列

quantum board light
series

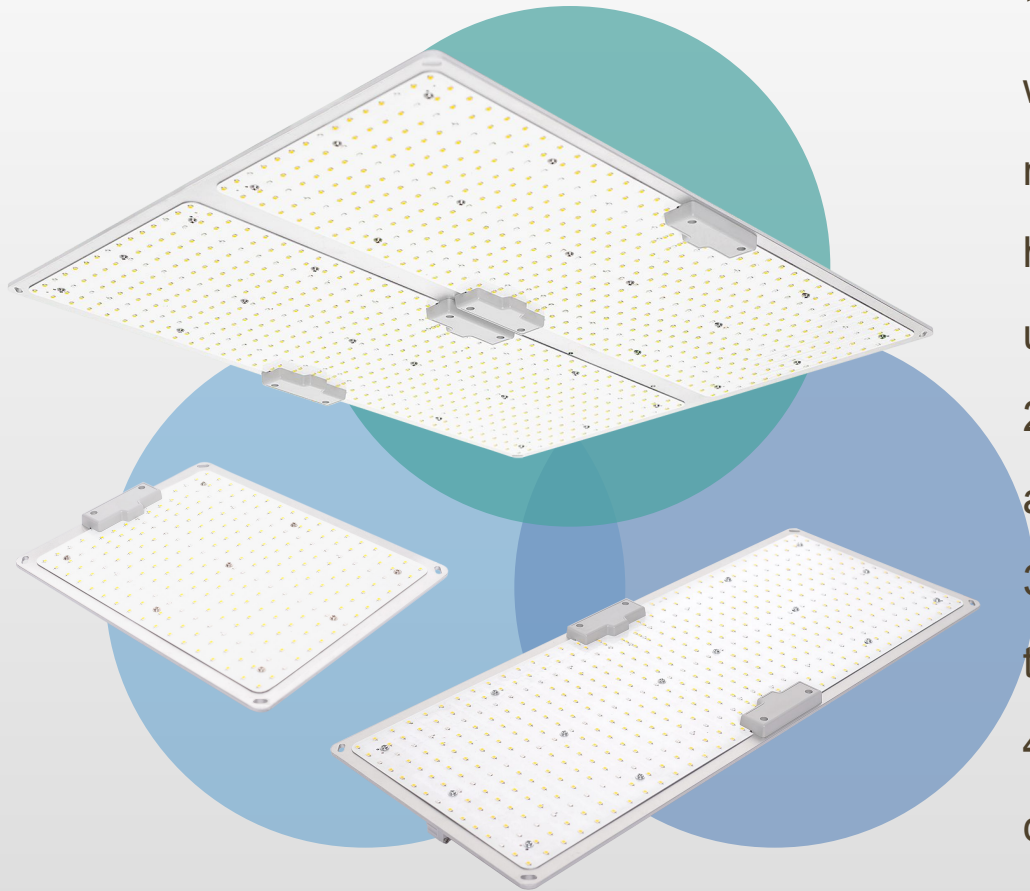


广东伟照业光电节能有限公司

Guangdong Winlight Energy-Saving Photoelectric Co.,
Ltd.

Features:

1. Full-spectrum LED plant photosensitive lamp beads (can be matched with Samsung lamp bead solution) + brand power supply (can be matched with MEAN WELL power supply solution). The conventional high-efficiency 4000K+660nm red lamp beads. It can be matched with ultraviolet and far red light beads.
2. 4mm thick precision aluminum radiator, fine workmanship, simple and stylish, and easy to hang.
3. High cost performance, small size, suitable for family indoor planting to supplement light, increase income and increase production.
4. Special spectrum ratios developed and matched for indoor cannabis cultivation. The spectrum is controllable and supports customization.



Note: Specifications are subject to change without notice, please consult our sales representative or product engineer before ordering.

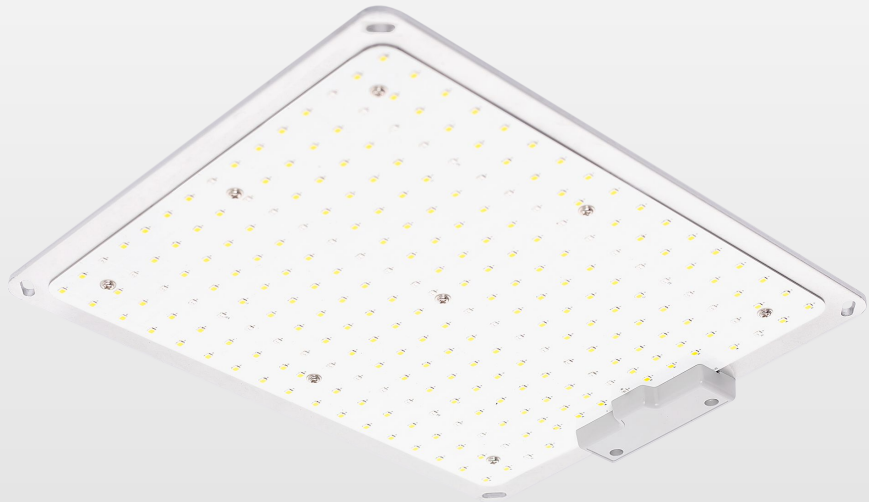
量子板系列

quantum board light series

100W Specifications



广东伟照业光电节能有限公司
Guangdong Winlight Energy-Saving Photoelectric Co., Ltd.



Model	WIN-LZB2430100U-DND
Actual power	100W
Input voltage	100-240VAC
Rated voltage	120/220VAC
Number of lamp beads	255pcs
Material structure	Fine aluminum heat sink/hanging installation
How to control	Knob dimming
Operating temperature	-10~45°C
Gross weight	2.2KG
Luminous flux/lm	16000
PPF E/ $\mu\text{mol/s/W}$	2.1~3.3 $\mu\text{mol/s/W}$
PPFD/ $\mu\text{mol}/(\text{m}^2*\text{s})$	700~2400 $\mu\text{mol}/(\text{m}^2*\text{s})$
Product Size	240*300*40MM
Application scenarios	Planting tents, family planting

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Test height (cm)	E (fc)	PAR (W/m ²)	Illuminance (Lx)	Eq (μmol/m ² /s)
20CM	11301.51	3.7478E2	121.6K	1764.7
30CM	5421.43	1.8053E2	58.33K	848.58
50CM	1793.17	5.9809E1	19.29K	280.88
60CM	1469.65	4.9085E1	15.81K	230.47
80CM	776.41	2.5926E1	8354	121.72
100CM	481.03	1.6069E1	5176	75.431
120CM	348.27	1.1632E1	3747	54.653

*The data are all from the real environment without light indoor test

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量子板系列

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200W Specifications



广东伟照业光电节能有限公司
Guangdong Winlight Energy-Saving Photoelectric Co., Ltd.



Model	WIN-LZB2460200U-DND
Actual power	200W
Input voltage	100-240VAC
Rated voltage	120/220VAC
Number of lamp beads	510pcs
Material structure	Fine aluminum heat sink/hanging installation
How to control	Knob dimming
Operating temperature	-10~45°C
Gross weight	4.3KG
Luminous flux/lm	32000
PPF E/ $\mu\text{mol/s/W}$	2.1~3.3 $\mu\text{mol/s/W}$
PPFD/ $\mu\text{mol}/(\text{m}^2\cdot\text{s})$	700~2400 $\mu\text{mol}/(\text{m}^2\cdot\text{s})$
Product Size	240*600*40MM
Application scenarios	Planting tents, family planting

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200W Specifications



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Test height(cm)	E (fc)	PAR (W/m ²)	Illuminance (Lx)	Eq (μmol/m ² /s)
20CM	14265.68	4.7864E2	153.5K	2249.6
30CM	8496.39	2.8556E2	91.42K	1340.9
50CM	3443.46	1.1598E2	37.05K	544.05
60CM	2500.7	8.4236E1	26.91K	395.07
80CM	1455.86	4.9089E1	15.67K	230.19
100CM	955.88	3.2243E1	10.92K	151.22
120CM	698.86	2.3584E1	7520	110.6

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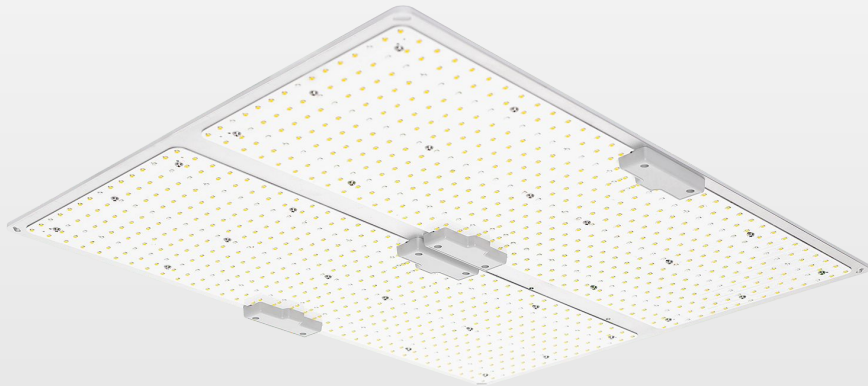
量子板系列

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400W Specifications



广东伟照业光电节能有限公司
Guangdong Winlight Energy-Saving Photoelectric Co., Ltd.



Model	WIN-LZB4860400U-DND
Actual power	400W
Input voltage	100-240VAC
Rated voltage	120/220VAC
Number of lamp beads	1020pcs
Material structure	Fine aluminum heat sink/hanging installation
How to control	Knob dimming
Operating temperature	-10~45°C
Gross weight	6.6KG
Luminous flux/lm	64000
PPF E/ $\mu\text{mol/s/W}$	2.1~3.3 $\mu\text{mol/s/W}$
PPFD/ $\mu\text{mol}/(\text{m}^2*\text{s})$	700~2400 $\mu\text{mol}/(\text{m}^2*\text{s})$
Product Size	480*600*60MM
Application scenarios	Planting tents, family planting

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400W Specifications



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Test height(cm)	E(fc)	PAR(W/m ²)	Illuminance(Lx)	Eq(μmol/m ² /s)
20CM	18781.85	6.1771E2	202.1K	2916.1
30CM	12727.93	4.2301E2	137.0K	1990.6
50CM	6355.65	2.1182E2	68.39K	995.42
60CM	4735.07	1.5796E2	50.95K	742.1
80CM	3004.6	1.0041E2	32.33K	471.52
100CM	1877.34	6.2823E1	20.20K	294.97
120CM	1407.95	4.7151E1	15.15K	221.44

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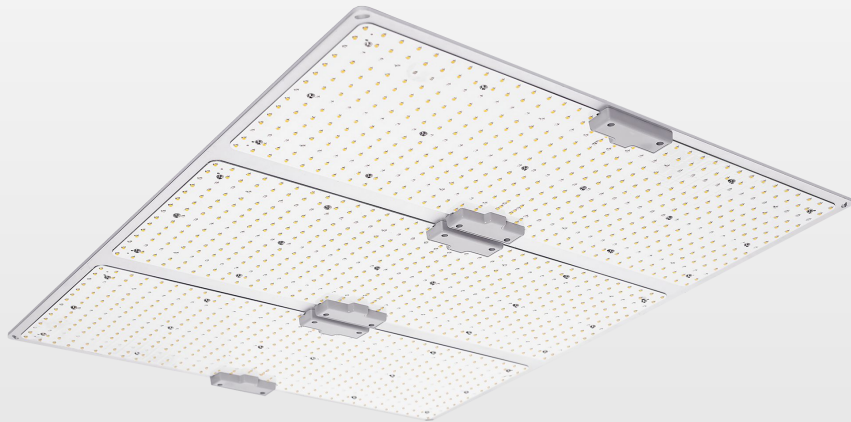
量子板系列

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600W Specifications



广东伟照业光电节能有限公司
Guangdong Winlight Energy-Saving Photoelectric Co., Ltd.



Model	WIN-LZB6072600U-DND
Actual power	600W
Input voltage	100-240VAC
Rated voltage	120/220VAC
Number of lamp beads	1530pcs
Material structure	Fine aluminum heat sink/hanging installation
How to control	Knob dimming
Operating temperature	-10~45°C
Gross weight	9.8KG
Luminous flux/lm	96000
PPF E/ $\mu\text{mol/s/W}$	2.1~3.3 $\mu\text{mol/s/W}$
PPFD/ $\mu\text{mol}/(\text{m}^2\cdot\text{s})$	700~2400 $\mu\text{mol}/(\text{m}^2\cdot\text{s})$
Product Size	720*600*40MM
Application scenarios	Planting tents, family planting

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600W Specifications



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Test height(cm)	E(fc)	PAR(W/m ²)	Illuminance(Lx)	Eq(μmol/m ² /s)
30CM	13880.93	4.6124E2	149.4K	2170.9
50CM	8571.72	2.8660E2	92.23K	1346.1
60CM	6209.56	2.0812E2	66.81K	977.07
80CM	4001.71	1.3427E2	43.06K	630.09
100CM	2888.2	9.6990E1	31.08K	455.05
120CM	2022.89	6.8100E1	21.77K	319.41

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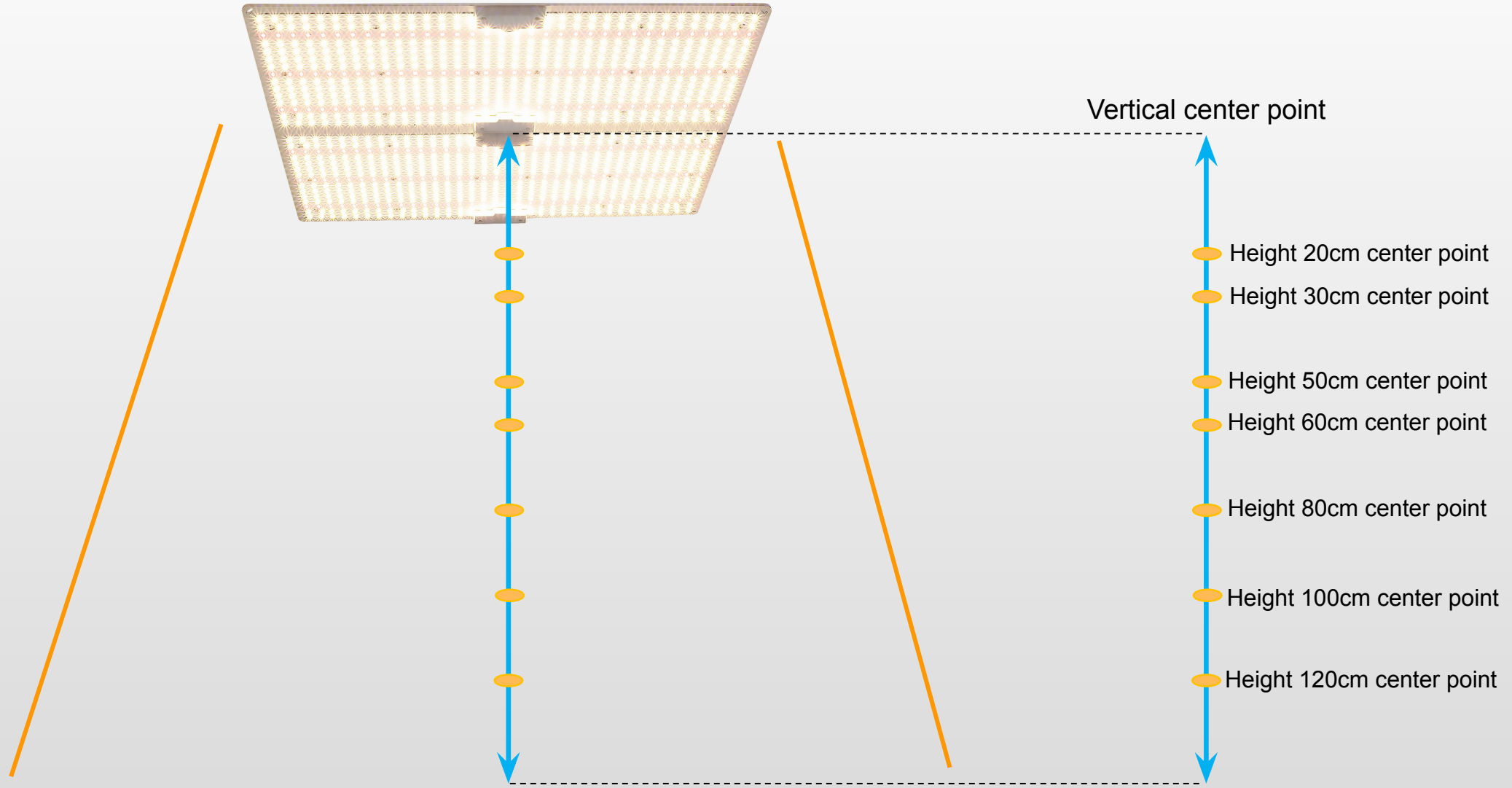
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Optical parameter test example



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Precaution

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1. The rated working voltage of this product is 120/220VAC. If the voltage exceeds this range, it will be used for a long time under the state of too high or too low voltage, which will affect the normal use function and life of this lamp.
2. When installing and replacing lamps, the power supply must be cut off to prevent electric shock, and the product must be grounded.
3. If you find that the lamp works abnormally (self-extinguishing, flashing), please check whether the contact performance and power supply voltage are normal. If all normal faults are still not eliminated, you need to replace the new lamp.
4. It is forbidden to use this product in places with high humidity or rain.
5. Attention! This product may emit harmful light radiation.
6. Do not install and use in combustible objects. No matter what the circumstances, the lamps cannot be covered by thermal insulation pads or similar materials. Suitable for operation in an environment not exceeding 45°C.
7. Only qualified electrical engineers can install this product.



Guangdong Winlight Energy-Saving Photoelectric Co., Ltd.

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