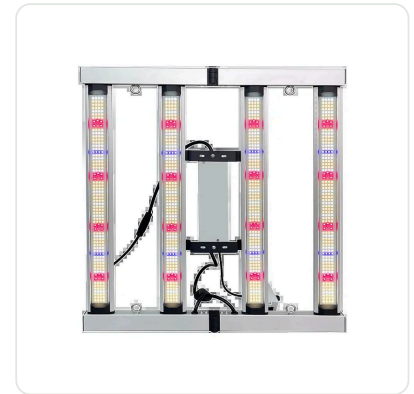


240W LED Grow Light Bar, 2x2 ft Full Spectrum

Product datasheet — Grow lights | Weltech (Shanghai) Co., Ltd.

The 240W Full Spectrum LED Grow Light is designed for high-density indoor plant cultivation, grow tents, and greenhouse supplemental lighting.



Key features ■

- Model Number: 240W
- Power Consumption: 240W $\pm$ 5%
- System Efficacy (EFF): 2.5 μ mol/J
- Photosynthetic Photon Flux (PPF): 660 μ mol/s (380–780 nm)
- Luminous Output / Efficiency: 36,000 LM / 150 LM/W (CRI > 80)
- OEM/ODM: custom spectrum ratio, wattage, housing colour, logo and retail packaging

Specifications ▀

Specification	Value
Model Number	240W
Power Consumption	240W ± 5%
System Efficacy (EFF)	2.5 µmol/J
Photosynthetic Photon Flux (PPF)	660 µmol/s (380–780 nm)
Luminous Output / Efficiency	36,000 LM / 150 LM/W (CRI > 80)
Light Spectrum	Full Spectrum White + 660nm Red + 460nm Blue + 730nm IR
Frame Dimensions	838 mm x 839 mm
Recommended Coverage Area	2 ft x 2 ft (0.6 m x 0.6 m)
Mounting Height	≥ 6 inches (15.2 cm) above plant canopy
Input Voltage Range	AC 110–277V, 50/60Hz
Current Draw (100% Load)	120V: 2.0A 220V: 1.1A 240V: 1.0A 277V: 0.87A
Power Factor / THD	PF > 0.95 / THD < 15%
LED Driver Type	UL & CE Certified Driver
Beam Angle	120°
Housing Material & Color	Aluminum Frame, Black Finish (Includes 3M Power Cable)
Ingress Protection Rating	IP54 (Indoor Rated)
Operating Lifespan	> 50,000 Hours
Operating Temperature / Humidity	-37°C ~ +45°C / < 95% RH

Specifications are typical values. Production tolerances and custom options are confirmed on the quotation.

Specification notes ▀

- Dimensions and tolerances are confirmed on the drawing or sample approved before production.
 - Custom sizes, colours, finishes and branding are available; tooling may apply for new shapes.
- Packing quantities are set per model; mixed cartons and pallet loading can be arranged.
 - Certificates and test reports are issued against the order and model.

Applications ▀

- Indoor cultivation rooms and grow tents from propagation to flowering
- Vertical racking and multi-tier benches with low headroom
- Greenhouse supplementary lighting and research chambers

Customisation & OEM ▀

Item	Options
Branding	Logo printing on product and carton, custom retail packaging
Product options	Size, colour, finish, wattage, spectrum, plug type and voltage to your market
Documentation	Commercial invoice, packing list, B/L, certificate pack, test report
Order terms	MOQ, price and lead time confirmed per specification and quantity

Packing & delivery ▀

Item	Details
Packing	Export carton with inner protection; pallet or loose loading on request
Shipping	Express 5–9 days · air freight 7–12 days · LCL 20–40 days · FCL 20–45 days
Port	Shanghai, China
Payment	T/T, L/C at sight — confirmed with the order

Quality & compliance ▀

- ISO 9001:2015 production management
- Pre-shipment inspection with photo report
- CE / ETL / RoHS documentation on request
- Batch traceability by order number
- Spare parts and after-sales support
- 12-month limited warranty

Ordering and technical support

Send the product, quantity and destination port. We reply the same day with price, lead time and shipping options.

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Product page: <https://weltechsh.com/product/240w-led-grow-light-bar/>

