

ZELION® HL

Horticulture LED Grow Light Fixtures



The ZELION HL family of horticulture grow light fixtures uses state-of-the-art OSRAM OSOLON® LEDs and optics. This combination delivers the most reliable LED horticulture fixtures in the industry.

Whether you are a commercial grower or a do-it-yourself horticulturalist, the modularized ZELION HL family is suitable for your horticulture application. The unique spectral content, which targets the essential absorption peaks of chlorophyll-alpha and chlorophyll-beta, is sure to help you maximize your yields and cut operating expenses with optimum micro-moles per energy unit.

Key Features & Benefits

- OSOLON LEDs were selected to match the absorption peaks of chlorophyll a and b for enhanced plant propagation
- OSOLON LED L₇₀ life rating of >100,000 hours
- State-of-the-art optical design and materials for optimum PAR (Photosynthetically Active Radiation)
- 24" x 12" to 36" x 24" working areas
- Passive cooling, completely silent and reliable
- IP65 rated for safe operation in wet and outdoor environments
- Energy saving LEDs compared to traditional light sources
- Each fixture has 4 holes on top-end plate for suitable hanging of wires or chains to accommodate suspension above growing plants
- 6ft. cord with 3-prong Edison plug is included
- Water resistant independent red and blue On/Off switches
- 3 year limited warranty



Product Comparison

Energy Source	Life (hrs)	Power (W)
PLANTASTAR 250W HPS	12,000	255
PLANTASTAR 400W HPS	12,000	400
PLANTASTAR 600W HPS	12,000	600
PLANTASTAR-TS 1000W HPS	10,000	1,000
ZELION HL 2x1 LED	>100,000*	50
ZELION HL 2x2 LED	>100,000*	100
ZELION HL 3x2 LED	>100,000*	150

*OSRAM OSOLON® LEDs L₇₀

Application Information

Applications

- Commercial agriculture
- Commercial greenhouses
- Floriculture
- Hydroculture
- Urban farming
- Indoor gardening
- Turf and landscape maintenance
- Home gardening



Turf and landscape maintenance



Commercial greenhouses



Indoor gardening

Disposal

Consult federal, state, local and provincial hazardous waste disposal rules and regulations to ensure proper disposal.



Ordering Information

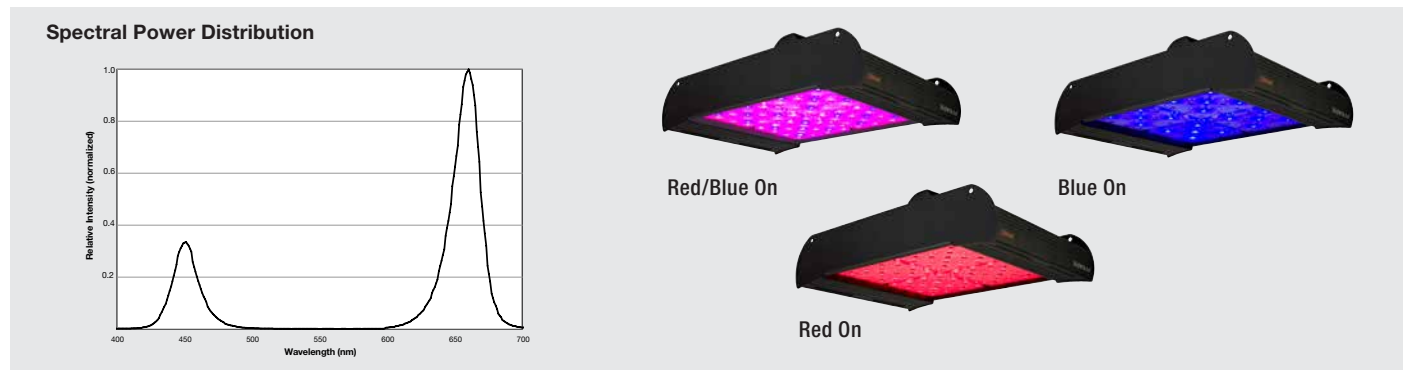
Item Number	Ordering Abbreviation	Watts (W)	Volts (V)	Current (Amps)	Wavelength at Peak Emission (nm)	Center Beam	Center Beam	Center Beam	Center Beam	Overall				
						PPFD ¹ , typical ² at 24"	PPFD ¹ , typical ² at 36"	PPFD ¹ , typical ² at 48"	PPFD ¹ , typical ² at 60"	Working Area (in)	Length (in.)	Height (in.)	Depth (in.)	Weight (lb.)
61085	ZELION HL 2x1	50	120	0.5	451 / 660	755	447	284	192	24 x 12	18.8	6.5	5.2	8
61086	ZELION HL 2x2	100	120	1.0	451 / 660	1124	772	519	358	24 x 24	18.8	12.8	5.2	16
61087	ZELION HL 3x2	150	120	1.3	451 / 660	1180	912	647	469	36 x 24	18.8	19.1	5.2	21

¹ PPFD = photosynthetic photon flux density ($\mu\text{mol}\cdot\text{s}^{-1}\cdot\text{m}^{-2}$)

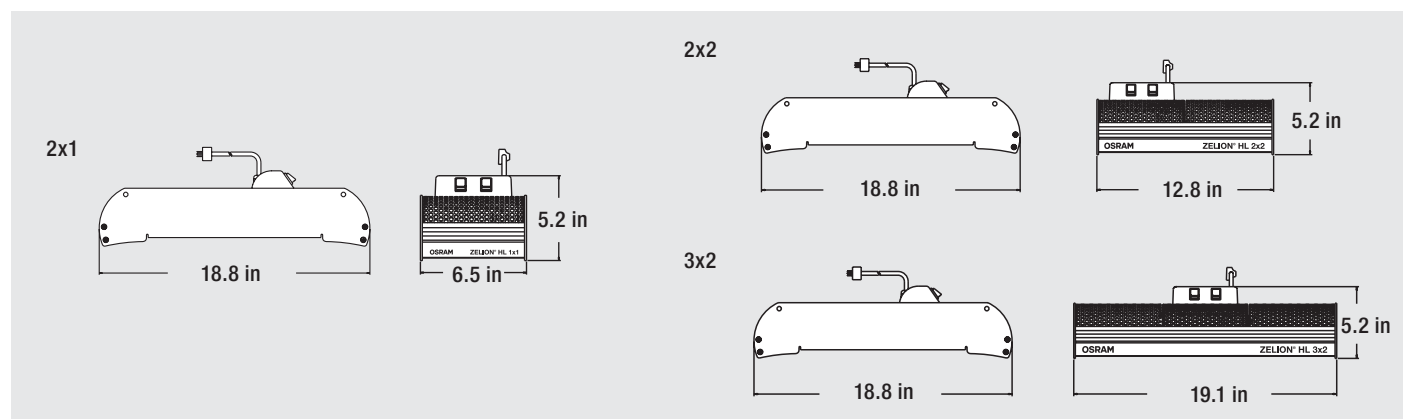
² Typical values measured using a calibrated ILT1450 Plant Growth Measurement System. The PAR meter used, an ILT1450 Plant Growth Measurement System, was calibrated for Photosynthetically Active Radiation by the ISO 17025 accredited instrument manufacturer's laboratory. This calibration was verified by OSRAM's NVLAP accredited calibration laboratory. This reported data is adjusted to reduce errors arising from the spectral composition of the ZELION HL. Measurements were taken with both Red and Blue LEDs turned on.

Values subject to change without notice.

Technical Information



Dimensions



Ordering Guide

ZELION®	/	HL	/	2x1
Family name for LED industrial products		Horticulture		Module number length x width

Warranty

3 years

OSRAM

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