

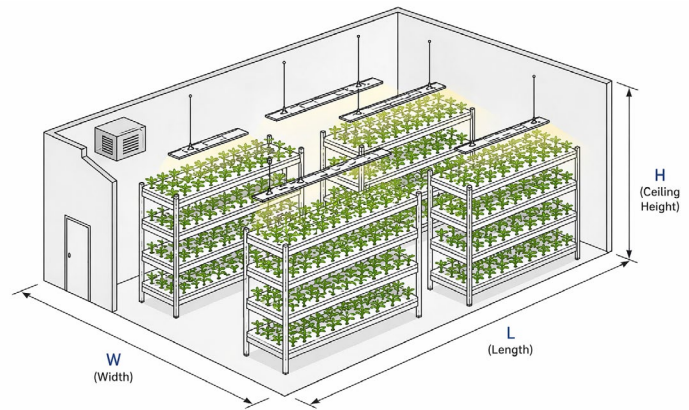
Provide key details about your vertical farming system to receive a customized lighting layout. Accurate information allows our team to design a precise, efficient solution tailored to your rack configuration and crop requirements.

PROJECT INFORMATION

Project Name:		Company / Facility:	
Contact Name:		Phone:	
Email:		Location (City, State, ZIP):	

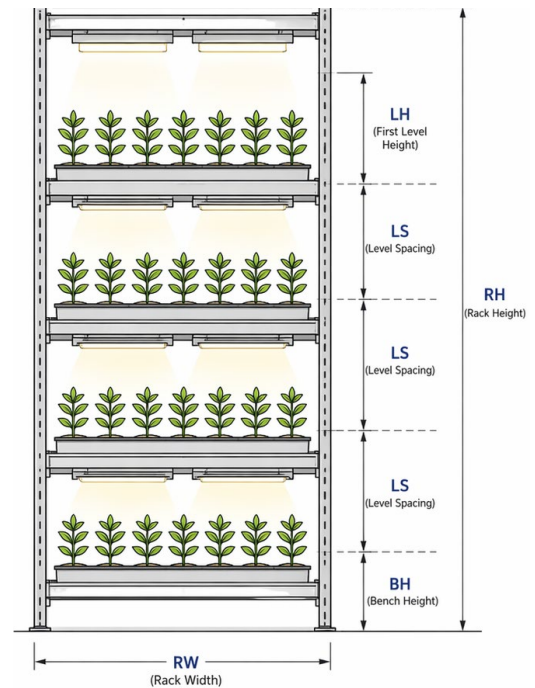
FACILITY SPECIFICATIONS

FACILITY TYPE: <input type="checkbox"/> Warehouse <input type="checkbox"/> Grow Room <input type="checkbox"/> Vertical Farm <input type="checkbox"/> Other: _____	CEILING TYPE: <input type="checkbox"/> Flat <input type="checkbox"/> Truss <input type="checkbox"/> Open Structure <input type="checkbox"/> Other: _____	ROOMS / ZONES: Number of Rooms: _____ Room Partitions: <input type="checkbox"/> Yes <input type="checkbox"/> No
ROOM DIMENSIONS: Length L: _____ Width W: _____ Ceiling Height H: _____	FACILITY INFRASTRUCTURE: <input type="checkbox"/> HVAC <input type="checkbox"/> Racking <input type="checkbox"/> Dehumidifiers <input type="checkbox"/> Irrigation Lines <input type="checkbox"/> CO ₂ Systems <input type="checkbox"/> Other: _____	



MULTI-TIER RACK CONFIGURATION

RACK / SYSTEM TYPE: <input type="checkbox"/> Single-tier bench <input type="checkbox"/> Multi-tier rack <input type="checkbox"/> Vertical racking system <input type="checkbox"/> Mobile racks <input type="checkbox"/> Other: _____	RACK SUMMARY: (Typical configuration per room) Number of Rack Rows: _____ Racks per Row: _____ Total Racks: _____ Number of Levels (RS): _____
RACK DIMENSIONS: Rack Length RL: _____ Rack Width RW: _____ Rack Height RH: _____	Level Spacing LS: _____ <small>(typical level spacing)</small> 1st Level Height LH: _____ Crop Height CH: _____ Light Distance LD: _____ <small>(if adjustable / known)</small>
RACK ORIENTATION: <input type="checkbox"/> Vertical rows <input type="checkbox"/> Horizontal rows <input type="checkbox"/> Custom layout	SPACING: Aisle Spacing (AS): _____ Wall Clearance (WS): _____ End Clearance (EC): _____
LAYOUT CONSTRAINTS: <input type="checkbox"/> Fans <input type="checkbox"/> Structural Posts <input type="checkbox"/> Lighting Rails <input type="checkbox"/> Cable Trays <input type="checkbox"/> Irrigation <input type="checkbox"/> Other: _____	



NOTES / SPECIAL LAYOUT CONDITIONS:

Include mixed rack heights, non-uniform spacing, or special constraints.

Define your lighting goals and rack configuration to help us design the most efficient multi-tier lighting solution for your facility.

LIGHTING OBJECTIVES:

LIGHTING APPLICATION: <input type="checkbox"/> Full Cycle (Sole Source) <input type="checkbox"/> Supplemental Lighting <input type="checkbox"/> Photoperiod / Daylength		EXISTING LIGHTING INSTALLED? <input type="checkbox"/> Yes If Yes, specify fixture type/output: <input type="checkbox"/> No <input type="text"/>		TARGET LIGHT OUTPUT: <input type="checkbox"/> PPFD ($\mu\text{mol}/\text{m}^2/\text{s}$) <input type="checkbox"/> DLI ($\text{mol}/\text{m}^2/\text{day}$) <input type="checkbox"/> Not Sure (Hydrotek will recommend)	
GROWTH STAGE: <input type="checkbox"/> Propagation <input type="checkbox"/> Vegetative <input type="checkbox"/> Flowering	CROP TYPE: <input type="text"/> CROP DENSITY (OPTIONAL): Plants per level / tray: <input type="text"/>	IF KNOWN: PPFD <input type="text"/> DLI <input type="text"/> <small>PPFD = light intensity / DLI = total daily light</small>		LIGHTING STRATEGY: <input type="checkbox"/> Top Lighting <input type="checkbox"/> Inter-canopy Lighting <input type="checkbox"/> Integrated (Rack-Mounted) <input type="checkbox"/> Combination <input type="checkbox"/> Not Sure	
LIGHTING PRIORITY: <input type="checkbox"/> Maximum Yield <input type="checkbox"/> Balanced Performance <input type="checkbox"/> Energy Efficient	PHOTOPERIOD (HOURS/DAY): <input type="text"/> MOUNTING HEIGHT (if known): <input type="text"/>	UNIFORMITY: <input type="checkbox"/> Standard <input type="checkbox"/> High Uniformity (may require more fixtures)			

FIXTURE OBJECTIVES:

FIXTURE TYPE: <input type="checkbox"/> LED <input type="checkbox"/> HPS <input type="checkbox"/> No Preference	PREFERRED MOUNTING: <input type="checkbox"/> Suspended <input type="checkbox"/> Rack Mounted <input type="checkbox"/> Rack / Bench Mount <input type="checkbox"/> Not Sure	DIMMING REQUIREMENT: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Sure	VOLTAGE AVAILABLE: <input type="checkbox"/> 120V <input type="checkbox"/> 208V <input type="checkbox"/> 240V <input type="checkbox"/> 277V <input type="checkbox"/> 347V <input type="checkbox"/> Not Sure	ENVIRONMENTAL: <input type="checkbox"/> High Humidity <input type="checkbox"/> Washdown Required (IP Rated) <input type="checkbox"/> High Temperature <input type="checkbox"/> Standard Conditions
			CONTROL PREFERENCES: <input type="checkbox"/> Manual <input type="checkbox"/> Central Controller <input type="checkbox"/> Environmental Integration <input type="checkbox"/> Not Sure	

CUSTOM LAYOUT SKETCH:

Use the grid below to sketch your multi-tier rack layout, including rack spacing, aisle spacing, and any obstructions. Indicate rack rows, level counts, and any non-uniform sections if applicable.

