420 STARTER Series

Spider Starter 360 Wide

Technical Specifications

Release Version: V1.0

Release Date: 2025/09/01

Advantages **4**20 Spider Starter

1. High Efficiency & Energy Saving

The **4**20 Spider Starter features 2,7 µmol/J high-efficacy LEDs. Compared to traditional HPS grow lights, the **4**20 Spider delivers greater light intensity and improved plant growth while consuming less than half the energy.

2. Extended Lifespan

Built with high-quality LEDs with PC cover, the Spider Starter is designed to endure harsh growing conditions. The polycarbonate cover protects the for humidity, dirt and chemical exposure - ensuring long-lasting performance, consistent output, and high reliability.

3. IP65 Waterproof Rating

With an IP65 waterproof rating, the **4**20 Spider Starter fixture is safe for use in high-humidity grow rooms.

4. Easy Setup

Installation is extremely easy. The Spider Starter frame comes with a built-in LED driver and a 2-meter power cable with EU plug. Simply connect it directly to a 230-Volt outlet – no additional hardware required.

5. Adjustable Dimming Function

The full-spectrum light output is tailored for all stages of plant growth. With an integrated 5-step dimmer, the light intensity can be easily adjusted to suit seedlings, vegetative growth, or flowering.

6. Daisy-Chain Dimming Control

Each **4**20 Spider Starter includes a manual dim knob (5-step) and supports daisy-chain control via the included RJ14 cable. This allows synchronized dimming of up to 100 fixtures from a single dimmer. For advanced control, a compatible 0-10V LED controller can automate schedules and light cycles.

7. Advanced Thermal Design

The passively cooled aluminum LED bars ensure efficient thermal management. The aluminum PCBs are directly bonded to the bars for optimal heat dissipation - delivering silent, maintenance-free operation and extended LED lifespan.
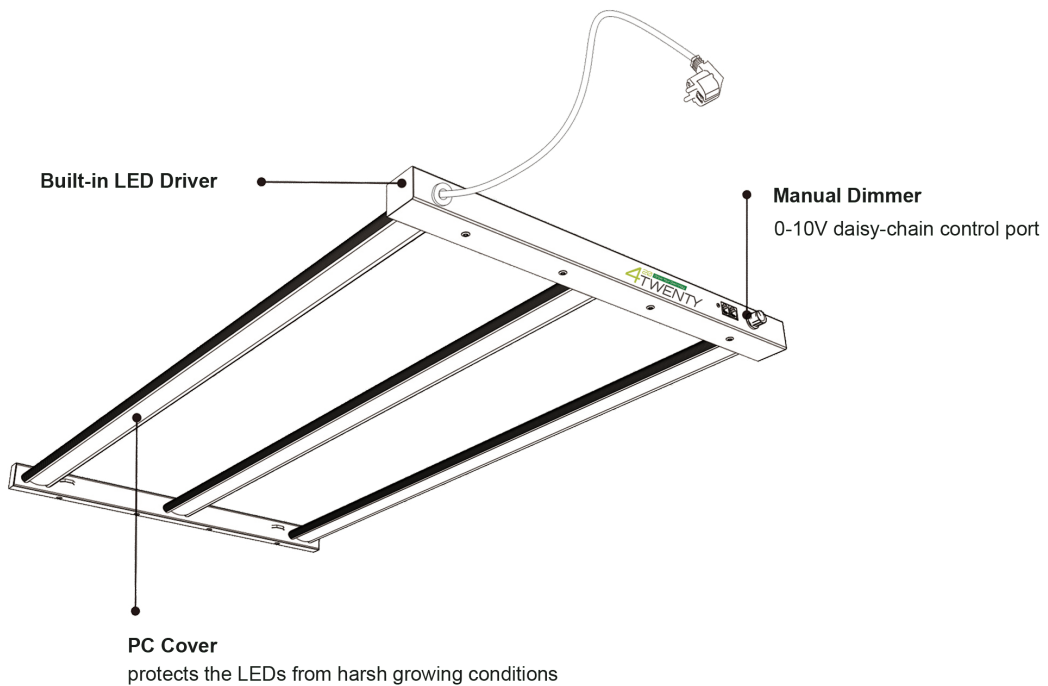
8. Environment Friendly

Unlike HPS or MH lamps, 4Twenty LED grow lights contain no hazardous materials such as mercury, iodine, or lead. LED manufacturing uses significantly less energy and creates less environmental waste, making it a cleaner, greener choice for sustainable indoor cultivation.
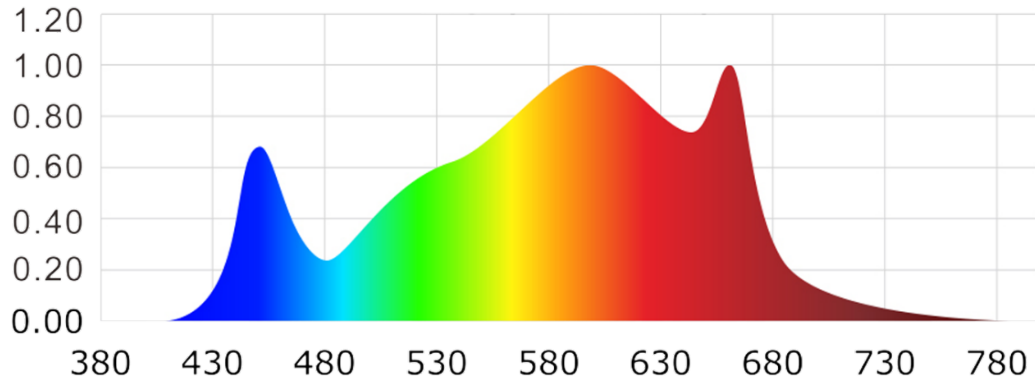
Spider Starter 360W

420 Spider Starter | Dimming & Daisy Chain

Built-in LED Driver

Manual Dimmer
0-10V daisy-chain control port

PC Cover
protects the LEDs from harsh growing conditions

Spectrum Spider Starter

Spectrum

Technical specifications **4**20SS-360W

Item	Value	Item	Value
LED chips	2835	Power consumption	360 Watt
LED efficacy	2,7 µmol/J	Dimmer	5-step
LED beam angle	120°	Daisy Chain	0-10V
Height above plants	≥ 15 cm	Connector ports	RJ14
Lifespan	50.000 hours	Voltage	230 Volt
Lighting area	≥ 120*80cm	Waterproof level	IP65
Size Starter 360W	1070*580*40mm	Net Weight	5 Kg

Certifications and Warranty of **4**20 Spider Starter

Note:

1. *Adjust lighting schedules based on the plant species and growth stage to optimize development.*
2. *Avoid direct eye exposure, always wear protective eyewear when working near the fixture.*
3. *Ensure proper grounding of the power outlet before connecting the fixture for safe operation.*
4. *Certified compliance with ELT, CE, and RoHS standards for safety and performance.*
5. *After sales service; 2-year limited warranty.*