Grow Lighting

4Twenty Grow Lighting

420 X5 Spider

Technical Specification

Release Version: V3.0

Release Date: 2023/08/01

420 X5 Spider | 820W

1. High efficiency and Energy saving

The **4**20 X5 Spider is provided with Samsung & OSRAM LEDs with an efficacy of 2,6 µmol/J. Compared to standard HPS grow lights the **4**20 X5 Spider does give plants more light intensity and better grow rates, yet using less than 50% of the electricity.

2. Long life span

The LEDs used for the **4**20 Spider are 3000K + 6500K Samsung LEDs & 660nm + 730nm OSRAM LEDs. The LEDs are especially developed for Horticulture environment, so the LEDs are resilient against severe temperature, humidity and exposure to chemicals. This guaranties high light-output, high quality and high reliability with a long lifespan.

3. Waterproof

The **4**20 Spider does have a full IP65 waterproof rate. The LEDs are attached to the aluminum frame and waterproof sealed by a high transmittance optical coating.

4. Easy Setup

The **4**20 X5 Spider requires an easy setup. Unfold the LED fixture and connect the DIM Driver section. The DIM Driver can be mounted on top of the LED fixture. After connecting the DIM Driver to the LED fixture, the **4**20 Spider can be plugged directly into an AC100 to AC277 Volts power socket.

5. Dim function

The **4**20 Spider is provided with a full plant spectrum. With a 10-100% dimmer the light intensity can be adjusted to the need of plants during all phases of plant growth

6. Daisy Chain dimming

The **4**20 Spider is provided with a dim knob for manual 0-100% dimming. With the included RJ12 cable the X5 Spider fixtures can be looped in a Daisy Chain, so that any of dim knobs does operate up to 2000 pieces **4**20 Spiders.
A RJ12 Controller can be used to set lighting schedules for the daisy chain looped fixtures.

7. Advanced thermal design

The LEDs are passively cooled by the aluminum LED Bars. The aluminum PCB is directly attached to the aluminum body of the Bars for optimal heat dissipation. Passive LED cooling is preferred above active cooling. No moving parts are needed, which is energy efficient and requires no maintenance.

8. Environment friendly

A 4Twenty LED Light does not contain the harmful substance HPS & MH lights do. So, there is no hazardous waste to deal with, which makes our earth cleaner and greener. Producing LEDs consumes far less energy than manufacturing other lighting products and also do contain no mercury and few if any toxins such as iodine and lead.

420 X5 Spider | 820W

420 X5 Spider | 820W Footprint @ 4'x 4' Chart

420 X5 Spider | 820W POWER
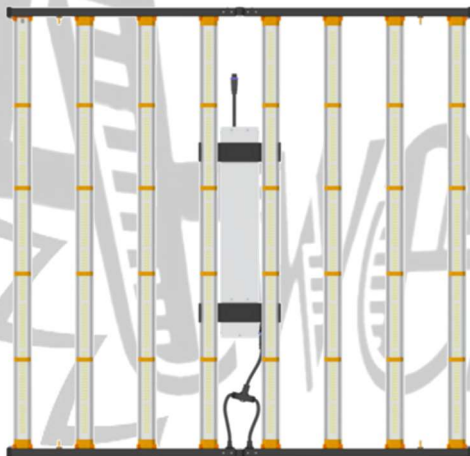
420 X5 Spider | 820 Watt @ 30cm

823	863	894	957	986	957	894	863	823
876	1122	1137	1174	1212	1174	1137	1122	876
955	1160	1241	1296	1344	1296	1241	1160	955
992	1222	1358	1441	1440	1441	1358	1222	992
1051	1282	1411	1444	1446	1444	1411	1282	1051
992	1222	1358	1441	1440	1441	1358	1222	992
955	1160	1241	1296	1344	1296	1241	1160	955
876	1122	1137	1174	1212	1174	1137	1122	876
823	863	894	957	986	957	894	863	823

420 X5 Spider | 820 Watt @ 45cm

696	722	787	863	902	863	787	722	696
752	878	912	989	1033	989	912	878	752
844	957	1042	1065	1087	1065	1042	957	844
915	1007	1135	1186	1191	1186	1135	1007	915
978	1071	1154	1199	1202	1199	1154	1071	978
915	1007	1135	1186	1191	1186	1135	1007	915
844	957	1042	1065	1087	1065	1042	957	844
752	878	912	989	1033	989	912	878	752
696	722	787	863	902	863	787	722	696

420 X5 Spider | 820 Watt @ 60cm

612	666	701	756	784	756	701	666	612
677	770	828	853	877	853	828	770	677
734	855	927	945	966	945	927	855	734
786	863	982	1009	1014	1009	982	863	786
832	880	991	1017	1021	1017	991	880	832
786	863	982	1009	1014	1009	982	863	786
734	855	927	945	966	945	927	855	734
677	770	828	853	877	853	828	770	677
612	666	701	756	784	756	701	666	612

X5 Spider Flowering footprint 150x150cm & Vegetative footprint 210x210cm.

Spectrum **4**20 X5 Spider
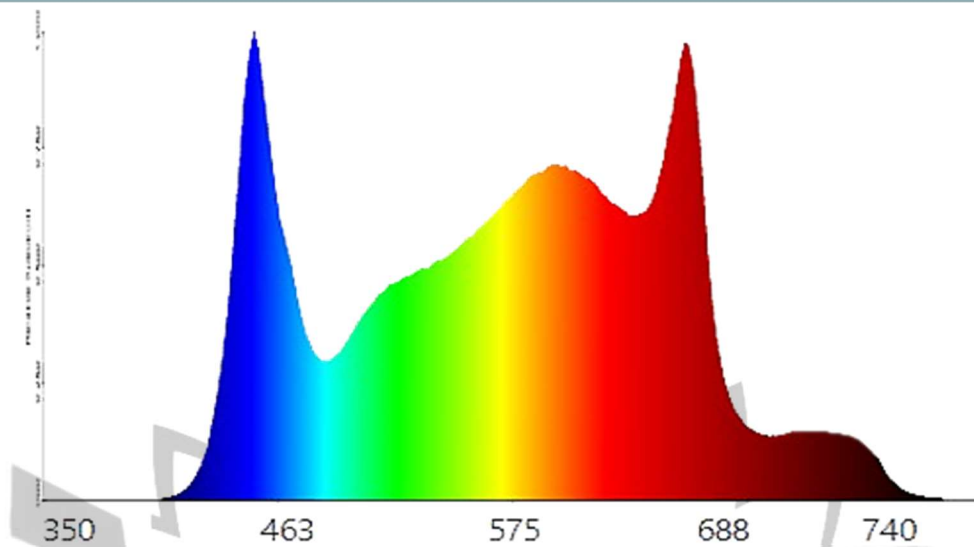
Technical specification **4**20X5-820

Item	Value	Item	Value
LED chips	Samsung & OSRAM	Power consumption	~ 820 Watt
LED amount	3648 pieces	Dimmer	10-100%
LED efficacy	2,6 µmol/J	Daisy Chain	PWM, 0-10V
LED beam angle	120°	Waterproof level	IP65
LED wavelength	WW, CW, R, FR	Voltage	100V – 277V
Height above plants	≥ 15 cm	Work frequency	50Hz / 60Hz
Lifespan	50.000 hours	Working environment	-20 ~ + 40°C
Lighting area	≥ 150*150cm	Connector ports	RJ12
Size X5 Spider	1100*1100*40mm	Net Weight	12 Kg

Certification and Warranty of **4**20 X5 Spider

Note:

1. *Select different lighting time depending on growing phase and plant species.*
2. *Don't look into the LED light directly without wearing sunglasses.*
3. *Power socket should be connected to the ground/earth.*
4. *The **4**20 X5 Spider is ELT, FCC, CE and RoHs compliant.*
5. *After sales service; 3-year limited factory warranty.*