Models

Power (W)	Ref:
☐ 300 W	77389-156360

Technical Details

Power:	300 W	**IK Protection:**	IK08
Power Factor:	0.95	**Material:**	PC
Voltage:	220-240V AC	**Colour Code:**	RAL 9016
Multi-Voltage:	100-240V AC	**Size:**	136x172x1220 mm
Frequency:	50-60 Hz	**Height:**	136 mm
Protection Class:	I	**Width:**	172 mm
Dimmable:	1-10 V	**Length:**	1220 mm
Light Source:	OSRAM	**Total Weight:**	8.60 Kg
Number of LEDs:	460	**Air Temp. For Operation:**	0ºC / +45ºC
Colour Temp:	FR SPECTRUM	**Includes:**	Driver
Grow Luminosity (PPF):	690u mol/s	**Driver:**	SOSEN
Beam Angle:	120º	**Life Span:**	50,000 Hours
Use:	Outdoor	**Warranty:**	5 Years
IP Protection:	IP65	**Certifications:**	CE & RoHS, UL

Description

The 300W LED Grow Linear HP Light Dimmable 1-10V is specially designed for growth and flowering in crops.

It has an IP65 degree of protection and dimmable driver to adjust according to the photo-periods necessary for the correct development of the plant. The development and growth of the plant is significantly influenced by the quantity of light and the quality of this, therefore, this luminaire is specifically designed to provide beneficial photo-morphogenic responses, under stress and a higher THC content. It uses a full spectrum that promotes nutrient uptake and ensures quality and quantity in production.

Manufactured from high quality aluminium and PC, ensuring a quality, durable and non-corrosive product. In addition, it has a highly extended lifetime of 50,000 hours.

By using this luminaire, growers can considerably improve the quality of their plants by obtaining a vigorous flowering, and also reduce the high energy consumption of conventional grow bulbs.

Plant growth occurs when plants are exposed to between 600 and 1000 µmol/m². Not all plants need the same amount of micromoles. For example, lettuce with 100 µmol per 1 m² would be sufficient, while large flowering plants need at least 600 µmol per 1 m². The photon energy provided by the luminaire, as well as the growing area it covers, will vary depending on the height of the luminaire.

* For a cultivation area of 1 m², a total of 2 linear bars at a height of 1 m are needed to obtain a photon energy of 700 µmol.

Additional photographs