

GroStrip Horticultural LED Module

GroStrip Horticultural LED grow light is developed for installations in vertical farms, grow rooms and chambers, greenhouses, aquaponics and aeroponics facilities. The optimized spectrum is perfect for growing leafy greens, microgreens, strawberries, it can also be used in plant tissue culture. The lights are daisy-chain connected end to end with waterproof connectors and powered with a remote constant current LED driver, one per a string of lights. The lights have several spectrum options to suit a wide range of plants requirements, the default spectrum is wide 400-750nm spectrum.

- High efficiency Osram Oslon LEDs
- Efficiency up to 2.6 μ mol/J (spectrum dependent)
- Default wide spectrum with the Emerson effect, multiple optional spectra available.
- Low weight, fast and simple installation
- Smooth housing surface to avoid dust and dirt accumulation

Power

- Voltage: 180-528VAC, 90-305VAC*
- Power: 19W

Housing

- Optical PC
- Stainless steel clips AISI301

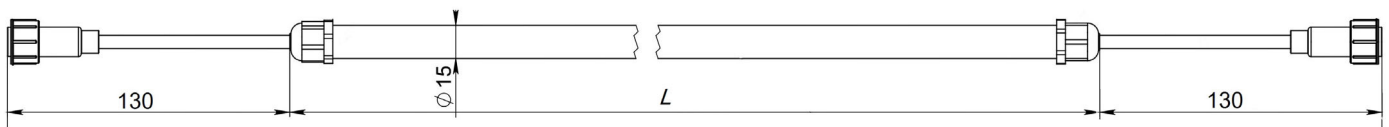
Optical

- Light curve (img.1)
- Default spectrum (img.2).

Environmental

- Protection: IP65
- Work temperature: +10- +45 C
- Impact protection: IK10

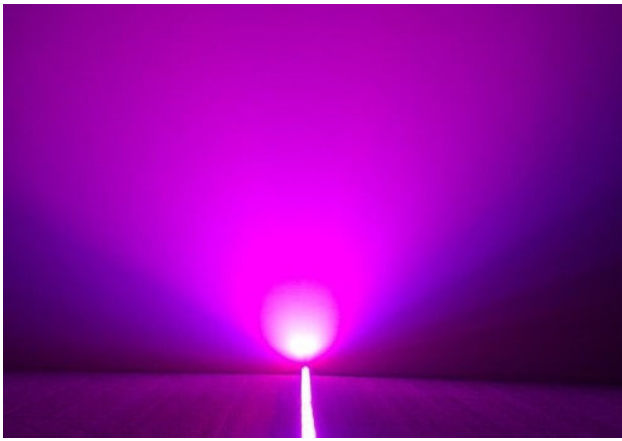
*From remote 700mA constant current LED driver, maximum power 320W. To be ordered separately.



Drawing: Length: L= 1260mm
Weight: 0,46kg

Ordering information: GS01-1220-19.700-120.FE2

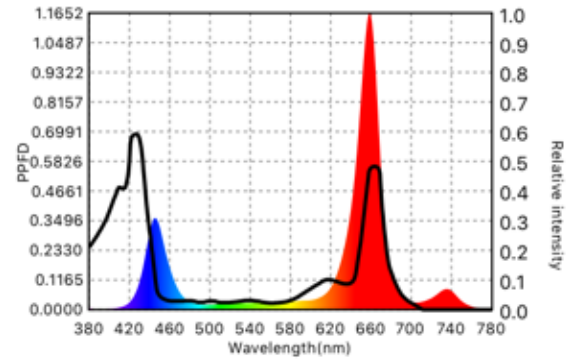
Family	Version	Length, mm	Power, W	Driving current, mA	Viewangle, degrees	Spectrum
GS	01	1260	19	700	120 80	FE2- default
						C2
						CE1
						F1
						FE1



Img 1. Light Curve

PPFD Spectrum

Ref.: CHLOROPHYLL A



Img 2. Spectrum FE2

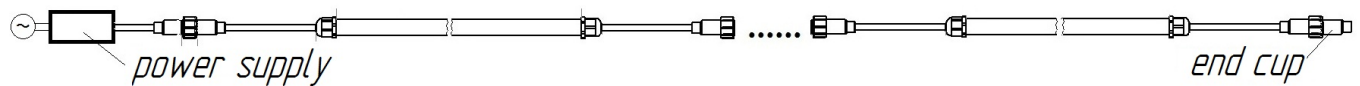


Img 3 FLIR Thermal Image



Img 4 Product Images

Connection Scheme



LED Driver	Number of Lights, min	Number of Lights, max
Meanwell HLG-320H-C700A/B	8	15
Meanwell HLG-240H-C700A/B	7	13
Meanwell HLG-185H-C700A/B	6	10
Meanwell HLG-120H-C700A/B	4	7
Meanwell HLG-80H-C700A/B	4	4
Meanwell HLG-60H-C700	2	3
Meanwell HVGC-320-700A/B	8	15
Meanwell HVGC-240-700A/B	7	12
Meanwell HVGC-150-700A/B	1	7
Meanwell HVGC-100-700A/B	1	5
Meanwell HVGC-65-700A/B	1	3