



Hi-Grow HG01

TECHNICAL DATASHEET

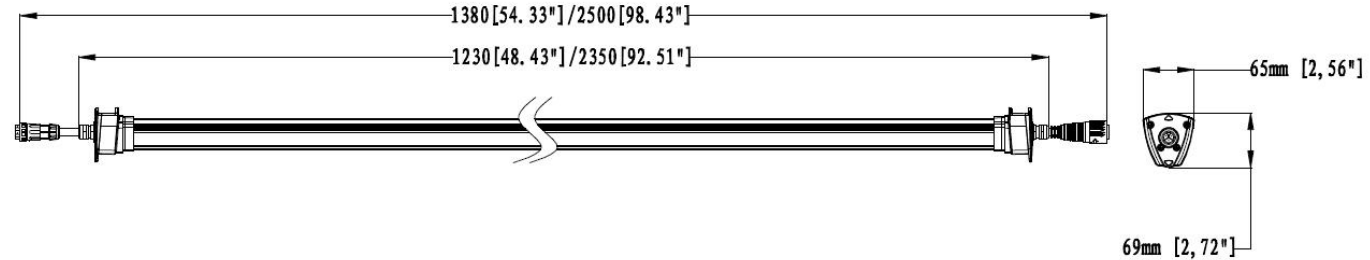
2021



Product features

Housing material	Aluminum
Optics materials	PC cover (transmission >90%)
Radiation angle	Double-sided 120°
Protection degree	IP65 (dust and watertight)

Drawing



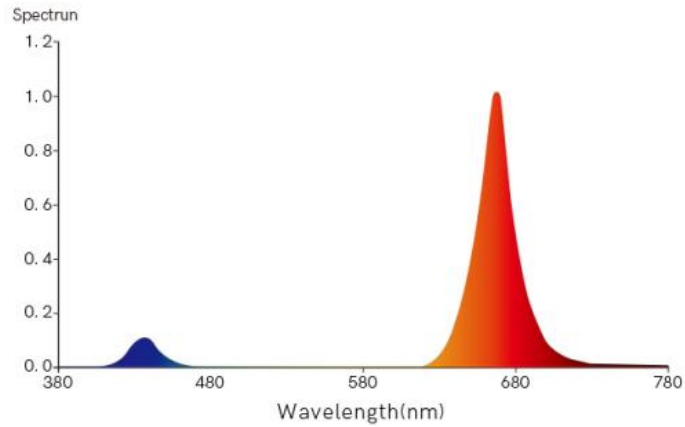
Technical data

Power (±5%)	75W	150W
System efficacy	2.8 @220Vac	2.8 umol/J @220Vac
DC input	56V	56V or 250V
PPF Output	210 umol/s	420 umol/s
Heat BTU Generated	255.75 BTU	511.5 BTU
Isolation Class	Class I	
IP rating	IP65	
Warranty	5 years	

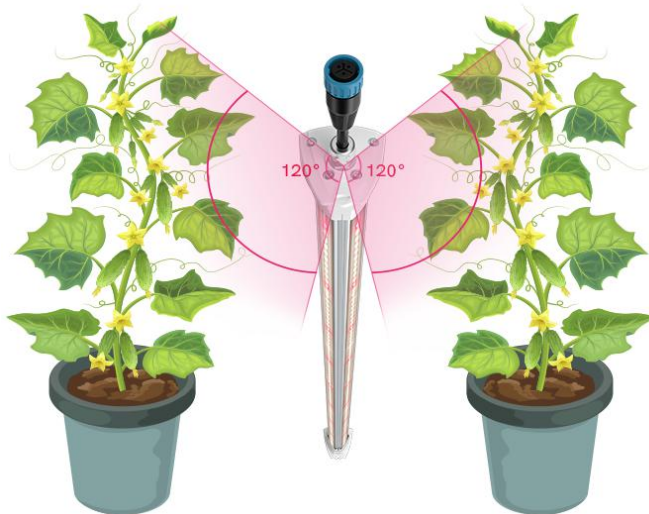
Power	75W (±5%)	150W (±5%)
Dimensions	1380 x 65 x 69mm 54.33" x 2.56" x 2.72"	2500 x 65 x 69mm 98.43" x 2.56" x 2.72"
Net Weight	1.5±0.3kg 3.31±0.66Lbs	2.5±0.3kg 5.51±0.66Lbs
Qty/CTN	4 pcs	4 pcs
G.W	7.00kg / 15.43 lbs	12.00kg / 26.46 lbs
CTN SIZE	1346 x 182x 198mm 53.00" x 7.17" x 7.80"	2466 x 182 x 198mm 97.09" x 7.17" x 7.80"
Operation conditions	0°C to 40°C / 32°F to 104°F (95% RH)	
Storage conditions	-40°C to 70°C / -40°F to 158°F (85% RH)	

Hi-Grow Spectrum Chart

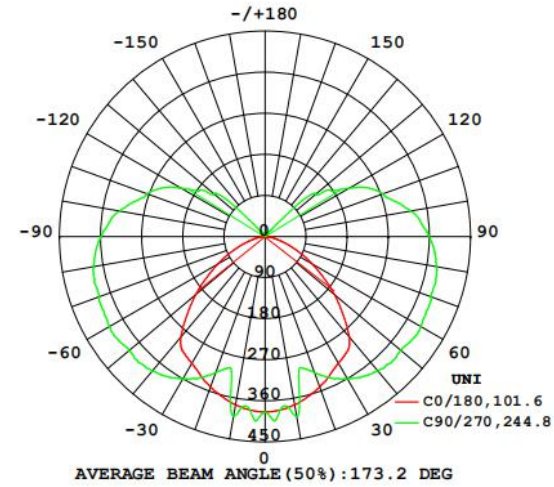
HG01-P03-00



Double-sided 120° Lighting Emit



IES Test



Accessories



M19 AC connector
(3M) * 1 pc



Standard: Hanging
Rope * 2 pcs



Option: Hanging
bracket * 2 pcs

Compliance

CE

ETL

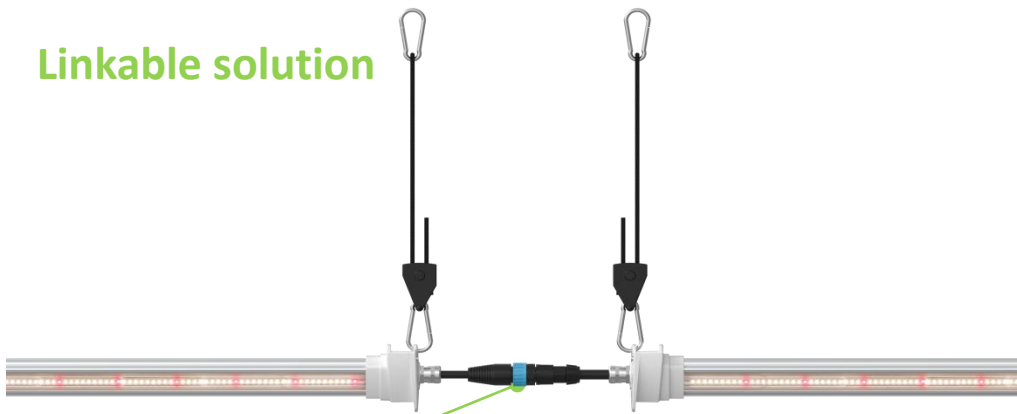
Low Voltage Directive (LVD)

Electromagnetic Compatibility Directive (EMC)

Restriction of Hazardous Substances (RoHS) Directive

* typical values for stable operation at 25° C / 77° F ambient temperature

Linkable solution



Daisy-chain Solution

- ✓ Daisy chain quantity with different driver output voltage:
 - ① 600W power supply with DC output $\geq 56V$: 75W max 8pcs; 150W max 4pcs
 - ② 3KW power supply with DC output $\geq 250V$: 150W max 20pcs
- ✓ External driver, easy for maintenance and good for heat dissipation

Driver

Hi-Grow of 150W, 2.4m would be highly recommended for commercial projects installation, which can match Artesyn iHP Series 250V output.

Other driver options with the right DC output voltage such as Sosen, Meanwell, Inventronics can also be used.

