

Photometric

HortiPower Nurser 3

HP-CF-LINEAR-20W-1200-AC (1200mm)

HP-CF-LINEAR-16W-875-AC (875mm)

HP-CF-LINEAR-10W-600-AC (600mm)

HP-CF-LINEAR-8W-450-AC (450mm)

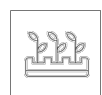
HortiPower Nurser 3 is an amazingly effective plant-centric light. This linear LED lighting fixture is designed for growing vegetables and plants indoor. Nurser 3 is available in 1200mm (1185mm) length, 875mm, 600mm (585mm) and 450mm length (435mm). Mix and match the different lengths to fit the shelf lengths.

With an optimized intensity and plant-centric spectrum it is ideal for tissue culture of banana, pine-apple and dendrobium as well as indoor farming for microgreens (cress, mustard), leafy greens (lettuce, kale, chard), herbs (basil), edible flowers such as pansy, berries (strawberry blueberry), seedlings of fruiting vegetables (tomato, bell pepper, cucumber), cacti, succulents, and growth of foliage plants (monstera, anthurium).

The special optical design and high transmissive cover supports a uniform lighting distribution on the shelf centre and edges. This proven and affordable fixture has custom engineered LEDs designed to support faster, better, and healthier growth.

Compared to traditional lighting it can save up to 50% energy costs as well as reduce maintenance cost.

PRODUCT FEATURES



City farming application



Consistent growth



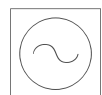
Faster growth



Plant-centric lighting



Uniform lighting



Indoor application



3 year Warranty



-20° to 40°C Operating Temperature



45~80% Humidity



Professional lighting design

- Designed for Tissue culture and Vertical Farming applications
- Lighting to support consistent growth, so every batch grows uniform
- Lighting to support faster growth
- Special combination of custom LEDs to support germination, rooting and photosynthesis and plant growth
- Uniform and wide angle light distribution for consistent and efficient lighting across the shelf
- AC input for easier installation
- Interlocking lights for dotless line of light

SPECIFICATION

LED	High intensity custom engineered SMD LEDs WR
Spectrum	Full spectrum and plant-centric spectrum (400-780nm)
Light output in micromole	Max. 37/ 29/ 19.7/ 14.21 $\mu\text{mol/s}$
Light received by plant @ 10cm distance	212 $\mu\text{mol/m}^2/\text{s}$
Light received by plant @ 40cm distance	39.52 $\mu\text{mol/m}^2/\text{s}$
Beam Angle	120°
Light Effect	Uniform
Length	1185mm/ 875mm/ 585mm/ 435mm
Maximum Length	Extendable up to 15 meters
Luminous flux	Max. 1738/ 1390/ 875/ 645 lumens
Power Consumption	20W/ 16W/ 10W/ 8W or specific to the project
PPF efficiency	1.85 to 1.65 $\mu\text{mol/j}$
Lumen maintenance	L70 @ 50.000 @ 25° C
Approbation	Comply with CE/ RoHS/ CCC/ ETL
Housing	Polycarbonate
Accessories	Stainless steel mounting bracket
Installation	Surface- or suspended mounting
Weight	0.17/ 0.13/ 0.10/ 0.09Kgs/pcs
Warranty	3 years
CCT	Approximately 3500K
CRI	70
Voltage input	100-240VAC, 50-60Hz
Operating temperature	-20° C to 40° C
Storage temperature	-30° C to 50° C
IK rating	IK02
IP rating	IP20

Model	Length	Max. length	Lumen output	$\mu\text{mol/s}$	Wattage	Efficiency	Weight
HP-CF-LINEAR-20W-1200-AC	1200	15pcs	1738	37	20	1.85	0.17kgs/pcs
HP-CF-LINEAR-16W-875-AC	875	18pcs	1390	29	16	1.85	0.13

PRODUCT SPECIFICATION

HP-CF-LINEAR-10W-600-AC	600	30pcs	875	19.7	10	1.65	0.10kgs/pcs
HP-CF-LINEAR-8W-450-AC	450	37pcs	647	14.21	8	1.77	0.09kgs/pcs

INSTALLATION ACCESSORIES in the master-box

50pc HP-CLIP-MNT	Mounting clips Two mounting brackets, two wall plugs and two screws
4 pcs of HP-PC-SWT-2000-EUC7	Main cable with switch 2000mm (EU-pin) Power cord with inline switch 2000mm (Nurser 3 compatible) Europlug (2-pin) to C7 Connector, 2.5A, 250V~50/60Hz 2000mm (end to end with connectors)
10 pcs of HP-PCE-300-C7C8	Extension cable 300mm Power cord extension 300mm (Nurser 3 compatible) C7 to C8 connector, 2.5A 250V~50/60Hz 300mm (end to end with connectors)

Master-box includes:

50pcs of Nurser 3

50pcs of Mounting clips HP-CLIP-MNT




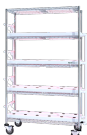
4pcs of Main cable with switch (EU-pin) HP-PC-SWT-2000-EUC7

10pcs of Extension cable 300mm (HP-PCE-300-C7C8)

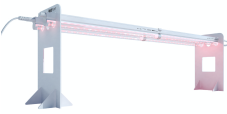







RELATED PRODUCTS

Code

Name

	M2 HP-CF-LINEAR-20W-1200-AC	50 pcs of Nurser 3 (1200mm)
	M3 HP-CF-LINEAR-10W-600-AC	50 pcs of Nurser 3 (600mm)
	M4 HP-CF-LINEAR-10W-600-AC	50 pcs of Nurser 3 (450mm)
	HP-RACK-1	Grow Rack 1

PRODUCT SPECIFICATION

	HP-HOME-GLS-1	HOME Grow Light Set
	HP-PC-SWT-2000-EUC7	Main cable with switch 2000mm (EU-pin) MOQ for UK, US, CN versions
	HP-PC-300-C7BE	Power Cord C7 to Bare End 300mm
	HP-PCE-1000-C7C8	Extension cable 1000mm
	HP-CLIP-BOTTOM	Bottom clip
	HP-CLIP-TOP	Top clip
	HP-ENDCAP	Silicon end-cap
	HP-STAND-3	Stands
	HP-CLIP-MNT	Mounting clips

APPLICATION VISUALS



Vertical farming: Leafy greens, Berries



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HortiPower

Mail: info@hortipower.com | Web: www.hortipower.com

Version 0.0.6

PRODUCT VISUALS



Hassle-free installation



Plug-and-play

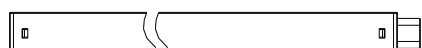
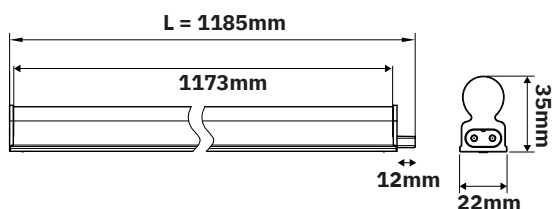
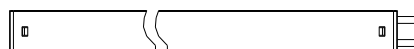
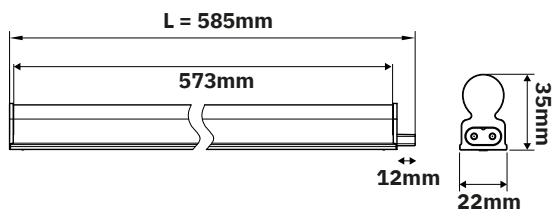
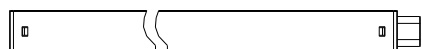
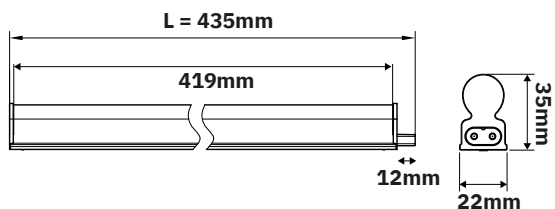


Continuous light line for uniform crop growth

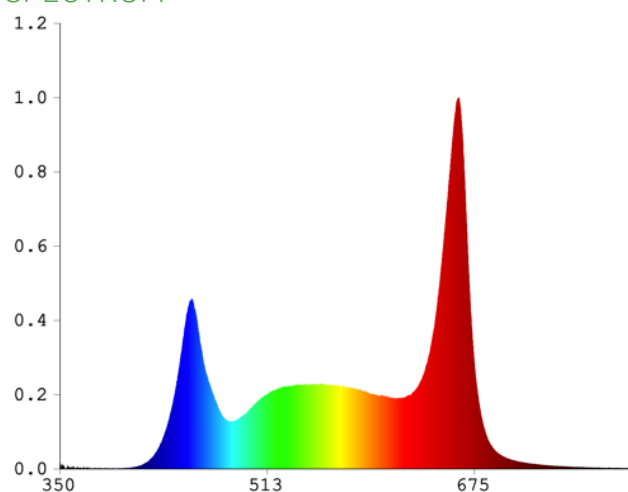


AC input

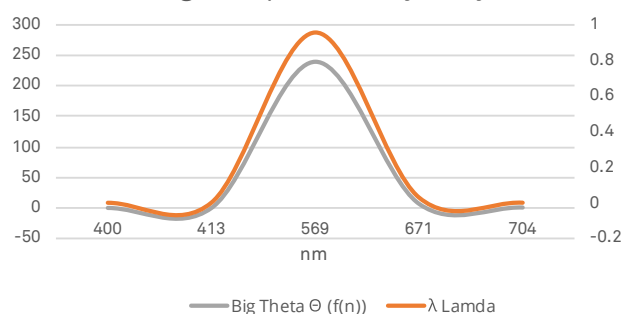
DIMENSION



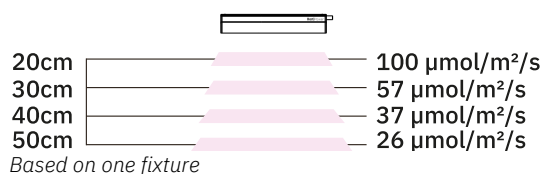
SPECTRUM



LightScript™ efficacy analysis



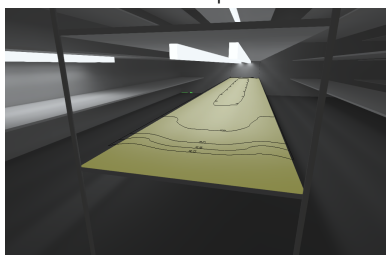
PHOTON FLUX DENSITY



LIGHTING DESIGN

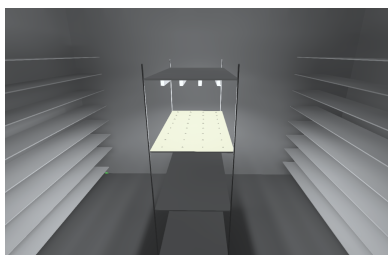
Tissue culture

30 to 50 $\mu\text{mol}/\text{m}^2/\text{s}$
2 pcs, 20 to 30cm spacing
between the lights, 30cm
distance from the plant leaves



Vertical farming

150 $\mu\text{mol}/\text{m}^2/\text{s}$
15cm spacing between the lights,
30cm distance from the plant
leaves



Berries

250 $\mu\text{mol}/\text{m}^2/\text{s}$
8cm spacing between the lights,
30cm distance from the plant
leaves



.ltd files are available upon request (contact your representative for help and advice)

NOTES

Wipe clean with a damp cloth, wipe dry with a clean cloth.

Warranty policy and Terms and conditions for sale of products and services apply.