HortiPower
GROW WITH NATURE
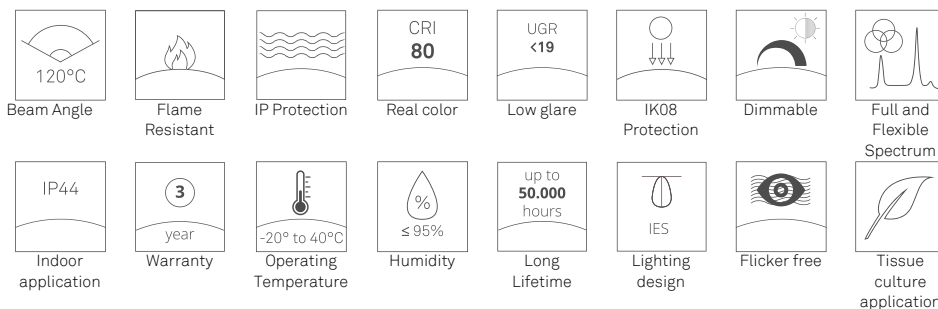
CE ✓ RoHS (H/g) Mercury free

Photometric

HortiPower LED Tissue Culture
HP-TC-LINEAR-20W-1000

HortiPower is a cost effective direct view linear LED lighting fixture designed for tissue culture. HortiPower is ideal for tissue culture applications for the fruit plantation industry.

Lighting properties such as intensity is adjustable to meet the plant need at every growth stage. The special optical design supports an uniform lighting distribution on the shelf centre and edges. HortiPower is the world's first full-spectrum and flexible spectrum fixture with custom engineered LEDs designed to support plant shooting, rooting and multiplication in tissue culture.

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

PRODUCT FEATURES

120°C Beam Angle	Flame Resistant	IP Protection	CRI 80 Real color	UGR <19 Low glare	IK08 Protection	Dimmable	Full and Flexible Spectrum
IP44 Indoor application	3 year Warranty	-20° to 40°C Operating Temperature	% ≤95% Humidity	up to 50.000 hours Long Lifetime	IES Lighting design	Flicker free	Tissue culture application

• Designed for Tissue Culture applications
• Uniform and wide angle light distribution for consistent and efficient lighting across the shelf
• Ultra low dimming without any flickering
• High precision control on light intensity and spectrum
• Special combination of LEDs to support shooting, multiplication, and rooting
• Designed for laboratory environments and staff comfort
• Plug and Play installation
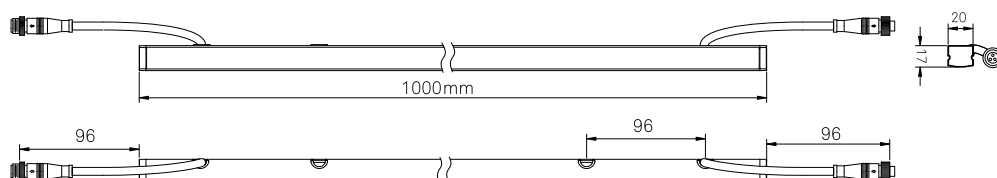• Up to 50% energy savings compared to traditional lighting

SPECIFICATION

LED	High intensity custom-engineered SMD LEDs R + GBW + FR
Spectrum	Full spectrum and Flexible spectrum (400-780nm)
Light output	0-40 µmol/s, up to 240 µmol/s with 6 pieces together
Beam Angle	120°

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Light Effect	Uniform
Length	1000mm
Maximum Length	Extendable up to 10 meter
Luminous flux	Specific to the project (600-1200lm)
Power Consumption	20W/meter or specific to the project
PPF efficiency	Specific to the application (1.7-2.0 µmol/j)
Lumen maintenance	L70 @ 50.000 @ 25° C
Dimming options	DMX/RDM (0-100%), 0-10V (10-100%) via HortiPower Driver Series
Approbation	Comply with CE/ CCC/ ETL
Housing	Aluminium, Clear PC
Accessories	Stainless steel mounting bracket
Installation	Surface- or suspended mounting
Weight	0.26 Kgs/m
Warranty	3 years
CCT	Specific to the project (maximum 6200K)
CRI	Specific to the project (CRI White 80+)
Operating Voltage	24 VDC
Operating temperature	-20° C to 40° C
Storage temperature	-30° C to 50° C
IK rating	IK08
IP rating	IP44

RELATED PRODUCTS

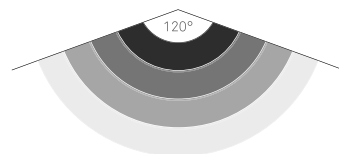|	
HP-610-DR	HortiPower LED driver, DC 24V, 6 Channels, DMX/RDM
HP-TC-6	HortiPower Touch Controller, 6 Channels
HP-TC-48	HortiPower Touch Controller, 48 Channels
HP-PSU-LPV-20-024	Power Supply Unit, 20W AC/DC LED driver, 24V
HP-PSU-LPV-150-024	Power Supply Unit, 150W AC/DC LED driver, 24V
HP-PSU-LPV-240-024	Power Supply Unit, 240W AC/DC LED driver, 24V
HP-PG200N	HortiPower spectrum meter

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DIMENSIONS

PRODUCT VISUALS

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HortiPower

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

HortiPower
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AVAILABLE

Power supplies

Cables

Connectors

120°

120° VIEWING ANGLE

INSTALLATION ACCESSORIES

12

22

15

Ø4.2

Ø6

1000±6
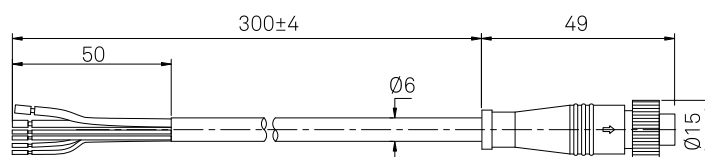
LM2016-E03

300±4

50

49

Ø6

Ø15
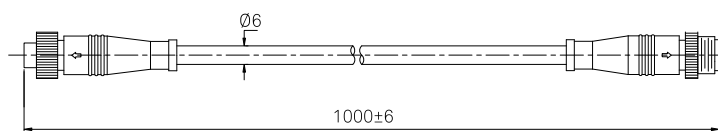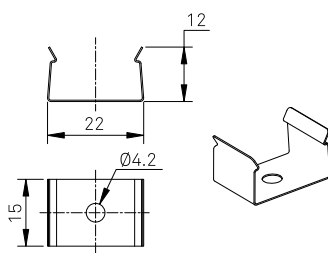
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Warranty policy and Terms and conditions for sale of products and services apply.