

Photometric

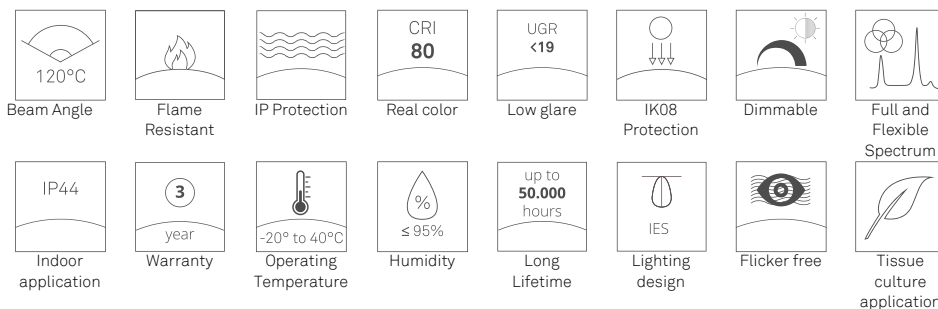
HortiPower LED Tissue Culture HP-TC-LINEAR-20W-1000

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



- 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

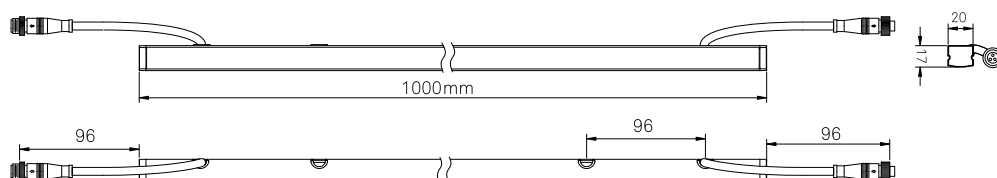
LED	High intensity custom-engineered SMD LEDs R + GBW + FR
Spectrum	Full spectrum and Flexible spectrum (400-780nm)
Light output	0-40 $\mu\text{mol/s}$, up to 240 $\mu\text{mol/s}$ with 6 pieces together
Beam Angle	120°

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 $\mu\text{mol/j}$)
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




DIMENSIONS

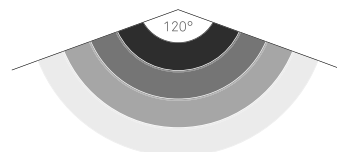


PRODUCT VISUALS



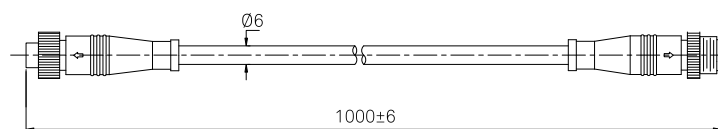
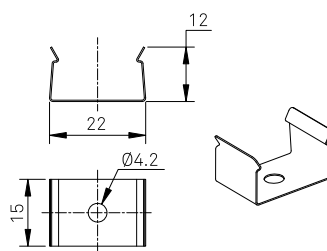
AVAILABLE

-  Power supplies
-  Cables
-  Connectors

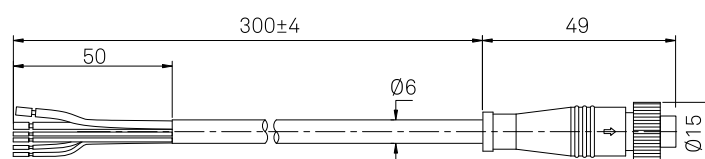


120° VIEWING ANGLE

INSTALLATION ACCESSORIES



LM2016-E03



LM2016-E05

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