

Photometric

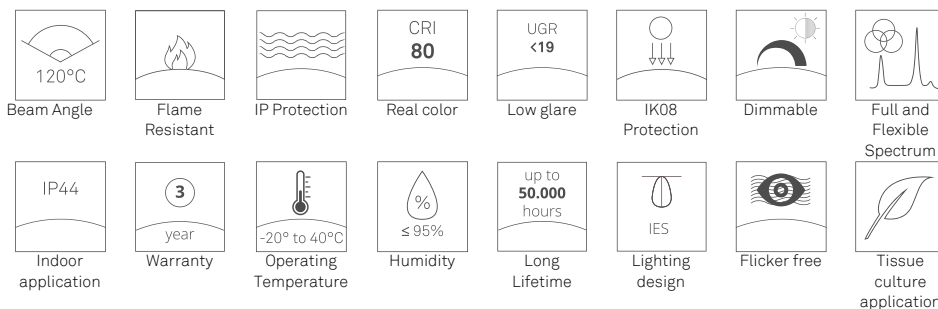
HortiPower LED Tissue Culture HP-TC-LINEAR-20W-1000

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

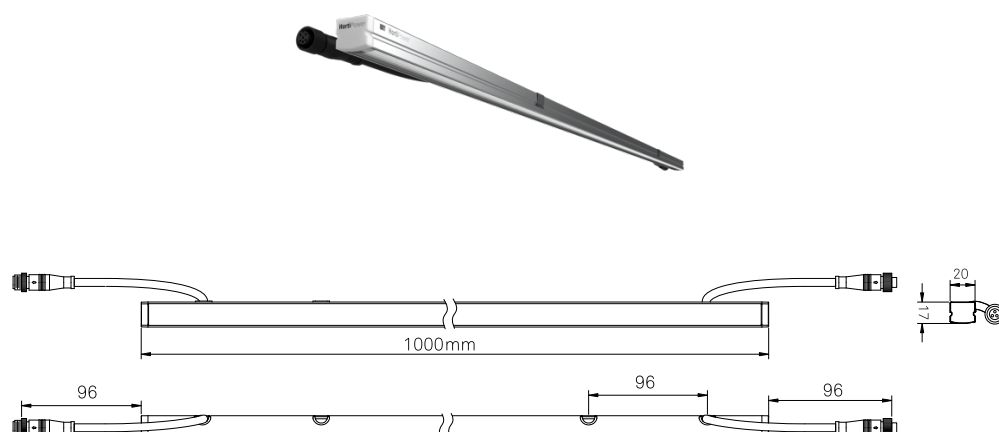
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|--------------|---|
| LED | High intensity custom-engineered SMD LEDs R + GBW + FR |
| Spectrum | Full spectrum and Flexible spectrum (400-780nm) |
| Light output | 0-40 $\mu\text{mol/s}$, up to 240 $\mu\text{mol/s}$ with 6 pieces together |
| Beam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

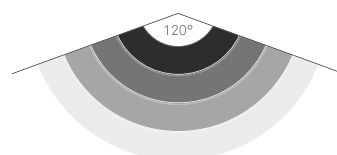
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| HP-610-DR | HortiPower LED driver, DC 24V, 6 Channels, DMX/RDM |
| HP-TC-6 | HortiPower Touch Controller, 6 Channels |
| HP-TC-48 | HortiPower Touch Controller, 48 Channels |
| HP-PSU-LPV-20-024 | Power Supply Unit, 20W AC/DC LED driver, 24V |
|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



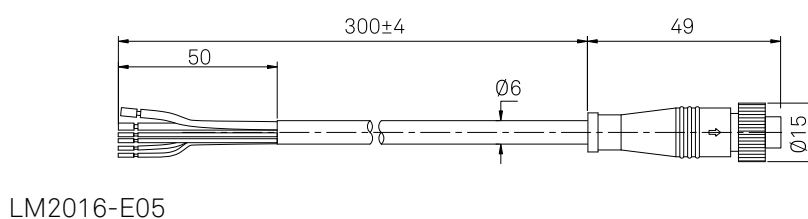
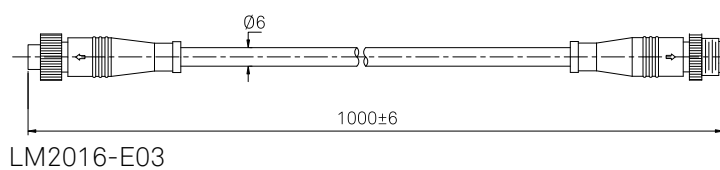
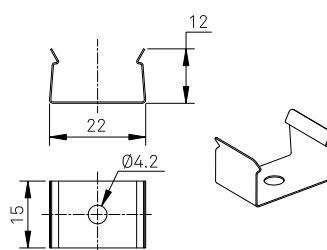
AVAILABLE

-  Power supplies
-  Cables
-  Connectors



120° VIEWING ANGLE

INSTALLATION ACCESSORIES



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

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