

Key Features & Benefits

- Full spectrum wavelength output
- Photosynthetic Photon Flux (PPF) up to **58 μ mol/s**
- 180° beam angle
- Photosynthetic Photon Flux Density up to **$\geq 61 \mu \text{ mol/m}^2/\text{s}$ @ 0.3M**
- IP44 rated
- 3 Year Replacement Warranty
- Aluminium body for better heat transfer
- Reduces energy consumption by over 50% on traditional lighting



ORDER

LED Full Spectrum Horticultural T8 Tube



The CEMA Lighting LED IP44 Full Spectrum Horticultural T8 Tube is a high output luminaire specifically designed to be used within the horticultural industry for large scale greenhouses, plant nurseries, urban farming facilities and garden centres across the UK as well as many other uses when looking to improve yield and reduce electricity costs within controlled environment farming situations.

This luminaire utilises a 180° beam angle, the LED chips used within the luminaire are from Epistar who are known for their high quality horticultural LED chips with high PAR values and allow for the fitting to be used within a wide temperature range from -20°C to 40°C giving it more flexibility to be used in a wide range of environments.

This fitting has a Photosynthetic Photon Flux (PPF) of up to 58 μ mol/s for the 28W version which shows the total amount of PAR (Photosynthetically Active Radiation) which is being output per second. The Photosynthetic Photon Flux Density (PPFD) this luminaire can achieve is up to $\geq 61 \mu \text{ mol/m}^2/\text{s}$ @ 0.3M for the 28W version, which is the amount of PAR reaching a 1M² area per second at a set height.

This product comes with a 3 year replacement only warranty.

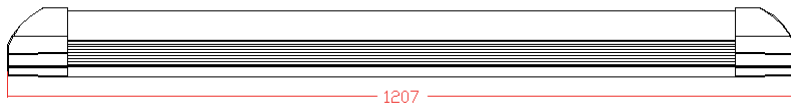
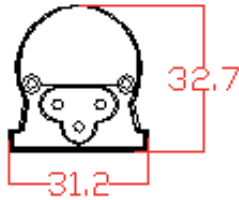
Applications

- Urban Farming Facilities
- Plant Nurseries
- Garden Centres
- Large Scale Greenhouses
- Multilayer Cultivation
- Mass Indoor Farming Facilities
- Controlled Environment Farming

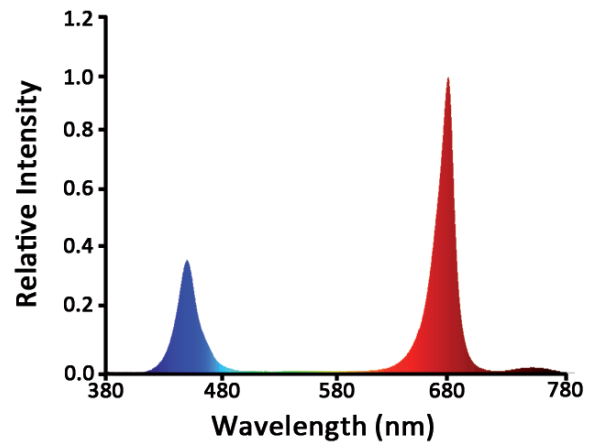
Optional Extras

- Customisable LED wavelength spectrum to suit a specific application

Full Spectrum



Size Diagram



Wavelength Spectrum Diagram

LED Full Spectrum Horticultural T8 Tube

Technical Specification

Product Code	910-75-01
LED Power	0.2W*240pcs = 48W
Draw Power	28W
IP Rating	IP44
Photosynthetic Photon Flux (PPF)	58 μ mol/s
Photosynthetic Photon Flux Density (PPFD)	$\geq 61 \mu$ mol/m ² /s @ 0.3M
Lifespan (up to)	50,000
LED Spectrum Wavelength	Full Spectrum - Customisable
Input Voltage	AC100~240V 50/60HZ
Working Temp	-20°C to 40°C
Beam Angle	180°
Power Factor	>0.95
LED Quantity	240
Weight	0.45KG \pm 5%



Commercial and Industrial Lighting Specialists