

# Multi-Layer Farm Lighting

**LED luminaire system  
for vertical controlled  
environment agriculture**

## Grow more with less

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Innovative luminaire lighting systems  
which help reduce costs and maximise  
yields from multi-layer

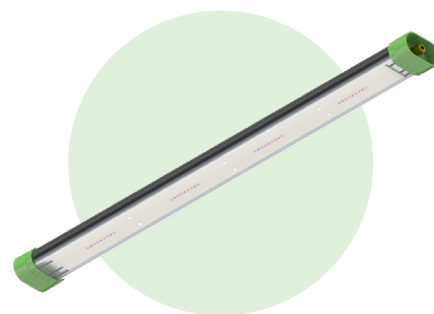


# Flexible Solutions for Multi-Layer Farm Lighting | LED luminaires

Our nurturGRO range is designed to provide bespoke solutions for a range of different controlled environments including greenhouses and indoor farms,

Suitable for any multi-layer application, including seed propagation and clones, young plants, mother plants and full vertical farm lifecycle production.

nurturGRO can be tailor made to fit any racking system whilst providing standard or bespoke light recipes/spectrums, power levels and light intensities.



## To help you grow more with less



Modular, reusable design



Turnkey system delivery



Optimised load efficiency



More growing space



Bespoke integration



Recyclable



Extended warranty (optional)



Fully serviced (optional)



Interchangeable components



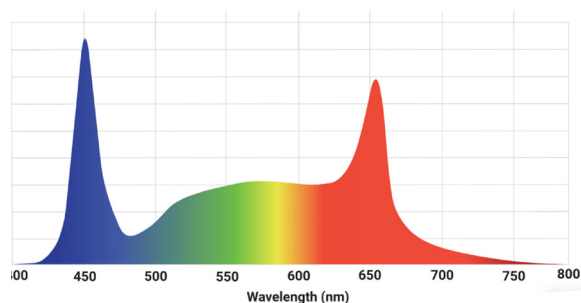
Remote driver

## Spec Range

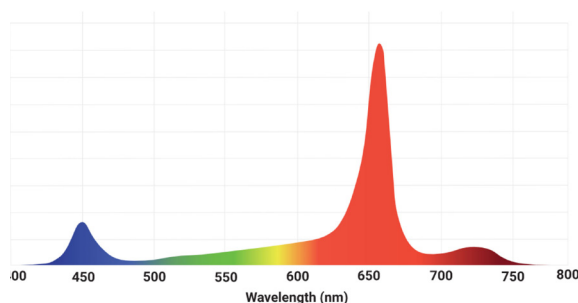
Linear Length (mm)	Input Voltage (Vdc)	Power (W)	Light Output (PPF)	Efficiency (umol/j )	Mounting Height (mm)	Optics
800 - 2800	110 - 470Vdc	15 - 175	45 - 595	2.5 - 3.4	250 - 800	Std or wide beam

## Spectrum

Standard and bespoke light recipes available, as required by the application.



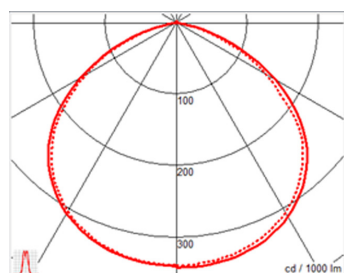
**Broad - Full spectrum recipes**



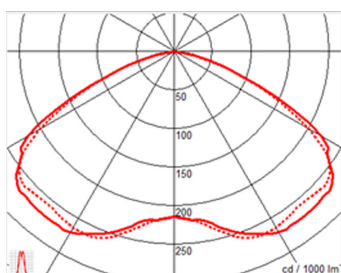
**Narrow - Red spectrum recipes**

## Light Distribution

To ensure that high light uniformity is achieved, regardless of the size of the growing layer or distance between the LED and crop, NuturGRO offers a choice of standard and wide-angle light distribution solutions using robust, chip-level optics (not secondary plastic lenses that degrade over time).



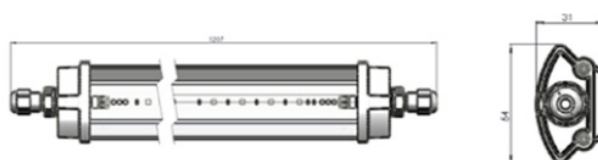
**Standard 120° distribution**



**Wide angle 150° distribution**

## Dimensions

Model	A (mm)	B (mm)	Weight
S	1102	1192	850
T	1472	1562	1100
M	1842	1932	1350
L	2470	2560	1800





## Installation

Suspended, rail mounted or array assembly. Bespoke options available on request.



## Power Supply

Up to 6 luminaires can be powered by a single IP66 driver. Wiring loops are supplied with each order.

## Connection



## Key Information

- 5-year warranty
- Q90 (median useful life) of 50,000 hours
- Suitable for -10 to + 40°C environments
- Nominal Power Factor of >0.95
- Patent pending recycleable design
  - >90% recycleable at end of life
  - Interchangeable components (upgrade to different spectrum/intensity/efficiency)
- Robust extruded aluminum and polymer construction