

nurturGROW Lighting

High Power Compact Top Light

DATASHEET



Grow more with less

Compact LED luminaire lighting system which helps reduce costs and maximise yields in commercial greenhouses and controlled environment agriculture (CEA)

High Power Compact | LED luminaire system



The nurturGROW range produces high intensity light which speeds up the natural growth cycle of plants.

Our High Power Compact lighting increases space efficiency and reduces energy use.

The compact design can deliver up to 3.5 $\mu\text{mol}/\text{j}$ of light whilst consuming less than 50% of the energy of other high power or compact solutions.

Benefits of nurturGROW High Powered Compact



High umol output



50% energy saving over HPS



Extended warranty



Optimised load efficiency



Fully serviced (optional)

Operating Summary

Nominal power factor	>0.90 min
THD	<20% max
Thermal management	Passive
Controls	0-10V dimming (1-100%) Wireless smart control system
Operating temperature	-10°C to 40°C
Ingress protection	IP65
Q90 life	50,000
Warranty	5 Years

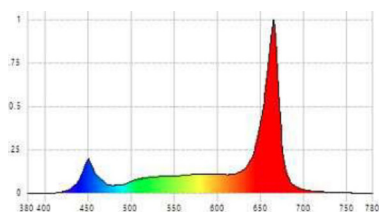
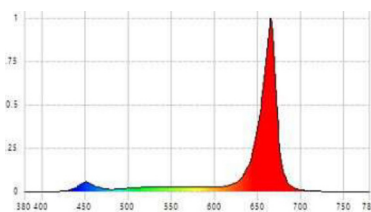
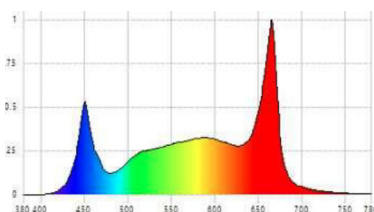
Dimensions

Length	600mm
Width	300mm
Height	93mm

Performance Summary

Input voltage	Input power	PPF	PPE	Heat load per fixture	Fixing height
120-470V	630W	2200 $\mu\text{mol}/\text{s}$ @100%	3.5 $\mu\text{mol}/\text{J}$ @230V	2148 BTU	1500mm+
120-470V	320W	1120 $\mu\text{mol}/\text{s}$ @100%	3.5 $\mu\text{mol}/\text{J}$ @230V	1090 BTU	1500mm+

Standard Light Recipe Options



Bespoke recipes available on request