

# **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 umol/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

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

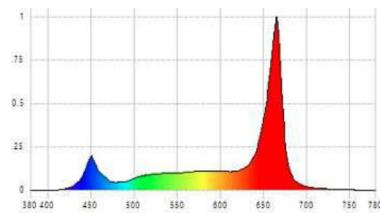
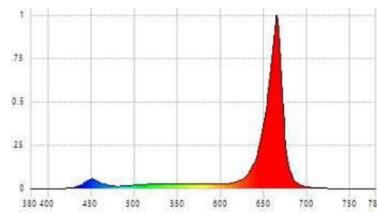
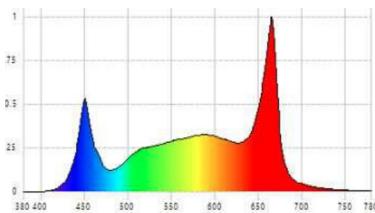
### Dimensions

<b>Length</b>	600mm
<b>Width</b>	300mm
<b>Height</b>	93mm

### Performance Summary

<b>Input voltage</b>	<b>Input power</b>	<b>PPF</b>	<b>PPE</b>	<b>Heat load per fixture</b>	<b>Fixing height</b>
120-470V	630W	2200 umol/s @100%	3.5 umol/J @230V	2148 BTU	1500mm+
120-470V	320W	1120 umol/s @100%	3.5 umol/J @230V	1090 BTU	1500mm+

### Standard Light Recipe Options



Bespoke recipes available on request