

# Greenhouse Interlight

**LED Optimized for growth**



## Product information

The Interlight LED lighting system of the Food Autonomy has been designed as a supplementary light source in greenhouses to light the lower, shadowed parts of the canopy. These well-placed Interlight modules enable growers to significantly reduce the growing cycle of their crops, increase the yields, ultimately improving the taste and nutritional value of vegetables by supplying the plants' entire surface efficiently with proper amount of light. The linear LED Lighting systems use high power horticultural LEDs, which deliver light output in a range from 140 to 420  $\mu\text{mol/s}$  per module with efficacy up to 3,5  $\mu\text{mol/J}$  providing the optimized spectrum for crops to grow prosperously all year round. The mix of red and blue LEDs of our Interlight solutions follow a standard recipe for the growth stimulation of several crop types such as tomatoes and cucumbers, however we can flexibly tailor the LED selection to meet our customers' specific needs.

## Product Specifications

| Product ID | Module | Growth Spectrum* | Nominal Power (W) | PPF ( $\mu\text{mol/s}$ ) | Efficacy ( $\mu\text{mol/J}$ ) | Optic     | Control  | Mounting |
|------------|--------|------------------|-------------------|---------------------------|--------------------------------|-----------|----------|----------|
| FA-GINT    | 1500   | HRLB             | 41                | 145                       | 3,5                            | C - Clear | FX - Fix | HH-Hook  |
|            |        |                  | 47                | 165                       | 3,5                            |           |          |          |
|            |        | HRLBW            | 42                | 140                       | 3,3                            |           |          |          |
|            |        |                  | 57                | 185                       | 3,3                            |           |          |          |
|            | 2550   | HRLB             | 72                | 254                       | 3,5                            |           |          |          |
|            |        |                  | 126               | 420                       | 3,3                            |           |          |          |
|            |        | HRLBW            | 73                | 245                       | 3,4                            |           |          |          |
|            |        |                  | 126               | 400                       | 3,2                            |           |          |          |

\*HR= High Red, LB=Low Blue, W=White

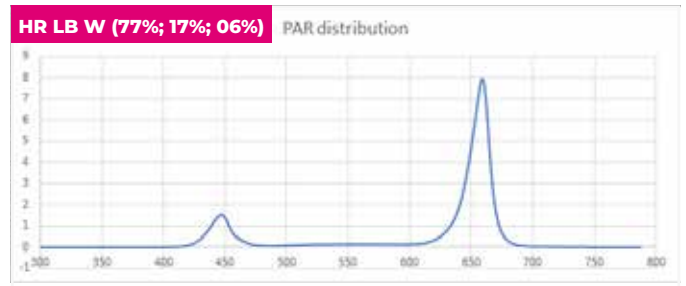
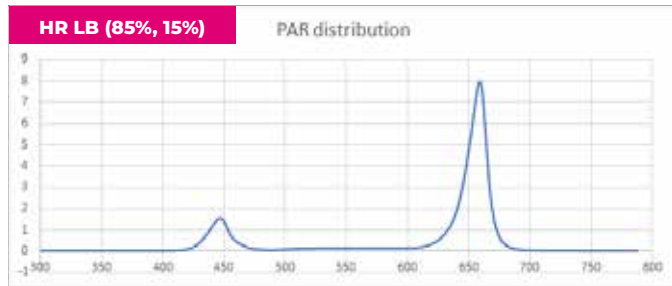
## Key Technical Features

- High efficiency LED design, up to 3,5  $\mu\text{mol/J}$
- Fixed spectrum
- Ease of installation – light weight and simple hanging system
- Passive cooling
- Low heat radiation
- Operating Environment: 0°C to +35°C
- L90/B50 life-time exceeds 50 000h (Ta= 25 °C)
- Ingress protection rating: IP66
- Impact resistant design made of PMMA and aluminum
- IK08
- Regulatory approvals – CE, RoHS

## Driver specification

- Power input: 230-240V
- Power factor >0.95

## Spectral distribution

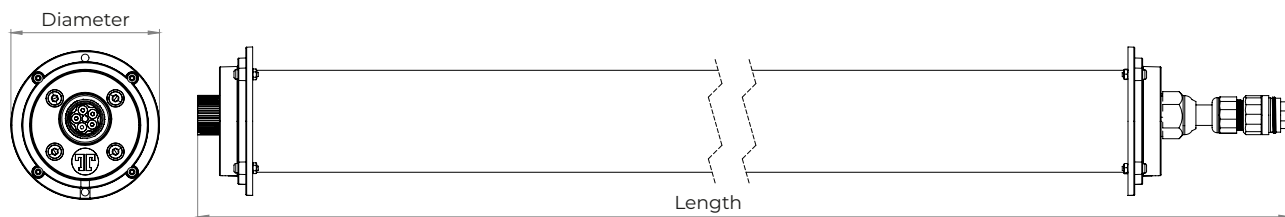


## Mounting

Product can be easily mounted with hooks provided in the pack. Other mounting options (eg. cable with hook) can be looked at based on individual requirement.



## Dimensions (mm)



| Module        | 1500    | 2550    |
|---------------|---------|---------|
| Max length    | 1508 mm | 2558 mm |
| Diameter (mm) | 87.5 mm | 87.5 mm |
| Weight (kg)   | 2.63 kg | 4.45 kg |

At Food Autonomy, we are constantly developing and improving our products. For this reason, all product descriptions in this catalogue are intended as a general guide, and we may change specifications from time to time in the interest of product development, without prior notification or public announcement. All descriptions in this publication present only general particulars of the goods to which they refer and shall not form part of any contract. Data in this guide has been obtained in controlled experimental conditions. However, Food Autonomy cannot accept any liability arising from the reliance on such data to the extent permitted by law.

**LED Greenhouse Interlight Datasheet – June 2022**