

Greenhouse Interlight

LED Optimized for growth



Product Information

The Interlight LED lighting system of 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 μmol/s per module with efficacy up to 3,5 μmol/J providing the optimized spectrum for crops to grow prosperously all year round. The mix of red, blue and white 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 (Mmol/S) | Efficacy (Mmol/J) | Optics | Control | Options |
|------------|--------|------------------|-------------------|--------------|-------------------|---------|---------|---------|
| 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 μmol/J

Fixed spectrum

Ease of installation – light weight and simple hanging system

Passive cooling

Low heat radiation

L90/B50 life-time exceeds 50 000h (Ta= 25°C)

Ingress protection rating: IP66

Ease of installation – light weight and simple hanging system

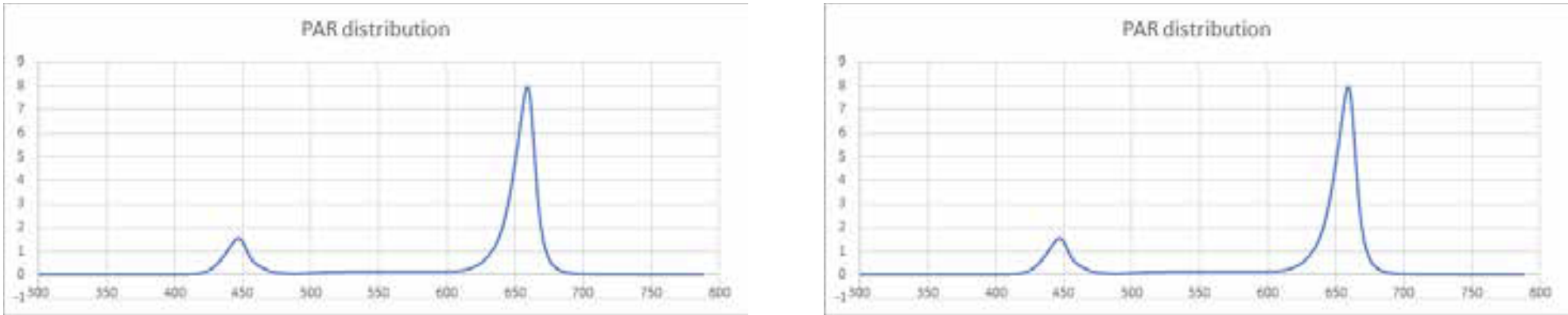
Power input 230-240V

Power factor >0.95

IK 08, impact resistant design

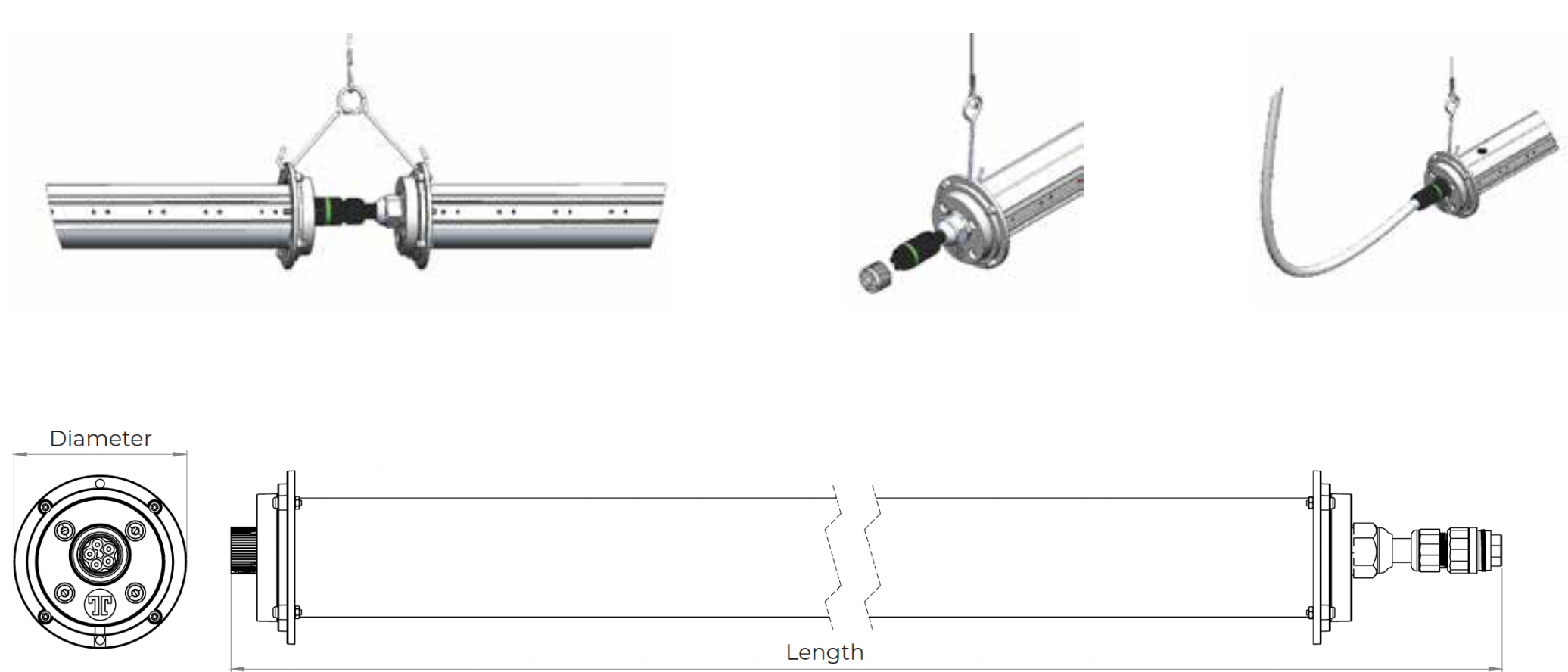
Regulatory approvals – CE, RoHS

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

| 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 |

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