

Greenhouse Interlight

LED Optimized for growth



DATA SHEET

Product information

The Interlight LED lighting system of the Tungsram Agritech series 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. Tungsram linear LED Lighting systems use high power horticultural LEDs, which deliver light output in a range from 130 to 232 $\mu\text{mol/s}$ per module with efficacy up to 3.16 $\mu\text{mol/J}$ 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
TUAS-GINT	1500	HRLB	43	136	3.16	C - Clear	F - Fix	H - Hook
		HRLBW	43	130	3.02			
	2550	HRLB	74	232	3.14			C - Cable
		HRLBW	75	230	3.07			

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

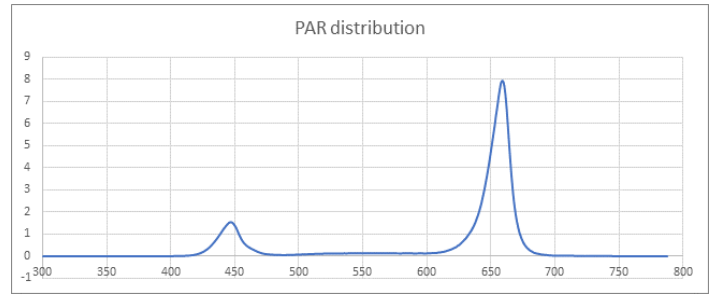
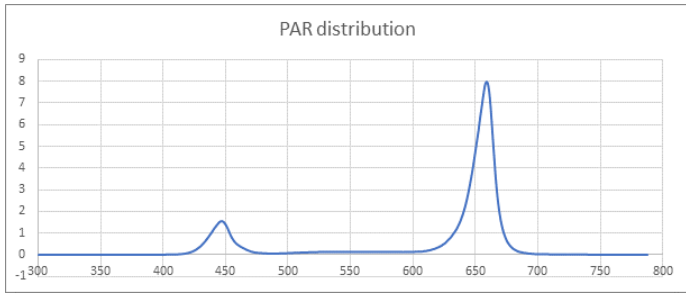
Key Technical Features

- High efficiency LED design, up to 3,16 $\mu\text{mol/J}$
- 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

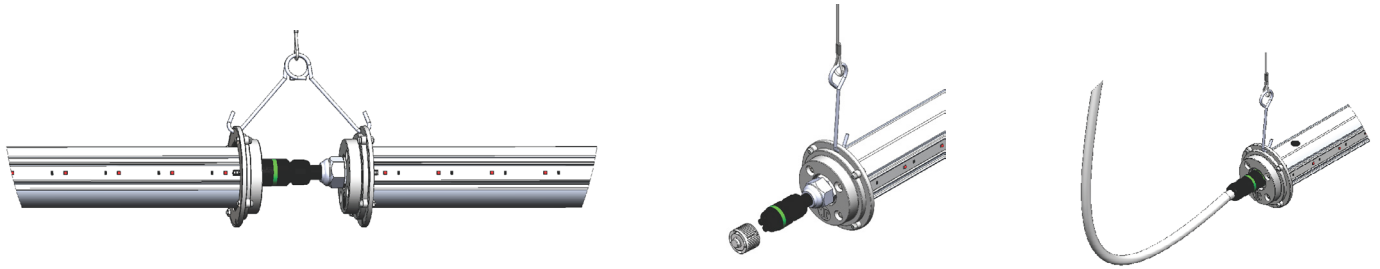
- Power input: 230-240V
- Power factor >0.95

Spectral distribution

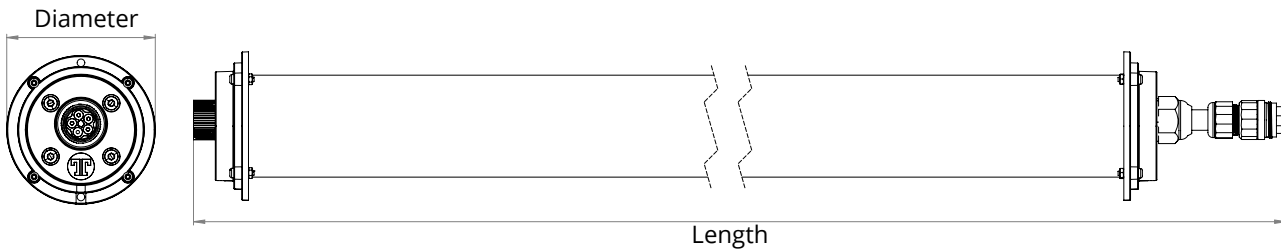


Mounting

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 (mm)	1508	2558
Diameter (mm)	87.5	87.5
Weight (kg)	2.63	4.45