

# HORTISABER™

## Linear LED Toplighting



HORTICULTURE  
LIGHTING SOLUTIONS

2nd generation LED Grow Lights for Greenhouses



## Market leading light uniformity and energy efficiency

Unlock Your Crop's Potential with LED iBond's HORTISABER™ LED Toplighting.

Whether your goals involve increasing yields, establishing consistent year-round production, enhancing quality, or accelerating growth cycles, the solution lies in the HORTISABER™ Toplighting.

Designed for optimal light uniformity, this product offers unparalleled flexibility in light installation in any type of greenhouse. As a result, you can achieve superior vertical light distribution and horizontal uniformity, particularly in scenarios where crop heights are restricted.

With an impressive efficacy boost of up to 3.8  $\mu\text{mol}/\text{J}$ , the HORTISABER™ provides exceptional energy efficiency. Additionally, the option to dim and control the lights empowers you to easily set and adjust light levels according to your specific needs. Experience the difference with LED iBond's HORTISABER™ LED Toplighting.

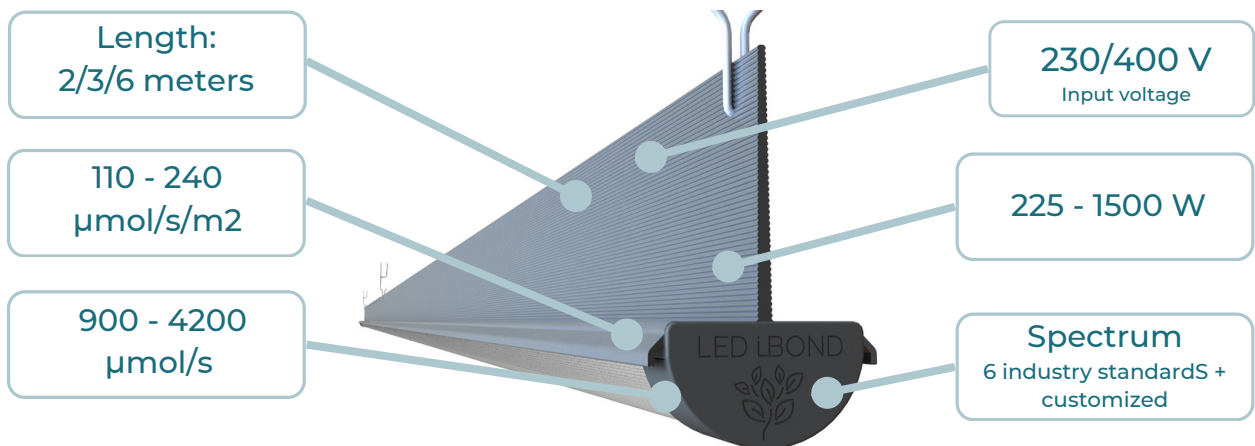
## Key Benefits

- Excellent light uniformity
- Low installation cost
- High Efficacy - up to 4,2  $\mu\text{mol}/\text{J}$
- Dimmability lets you set the correct light level at any time
- Up to 65% less energy than HPS lights
- Replaces traditional Toplights HPS light one-to-one

LED iBOND

# HORTISABER™ Product Family

- developed with Industry Leading Greenhouse Growers



## Product specifications

		HORTISABER 660 / 1000
<b>Electrical</b>	Power supply unit	680/1200/1500W (6 m)
	Power efficiency	> 0,96 (@ min. 70% load)
	Power Factor	0,95 - 0,98
	Input voltage AC [V]	400V (277-480VAC) - optional 110/230 VAC
	Frequency	47-63 Hz
	Dimming/control interface	0-10V or DALI-2
	Light control system	LED iBond HortiControl or 3rd party light/climate control system
<b>Optical</b>	Light output** (PPF*) - [μmol/s]	2700 - 4200 (6m)
	Efficacy** - [μmol/J]	4,2
	Light output density*** (PPFD*) - [μmol/s/m²]	Typical 110 - 240 (120 @ 30m² per 6 m lamp)
	Spectrum - options	Growlight Supplemental: 6 industry standards or customized
<b>Physical</b>	Size lamp options (L x W x H) / Weight	200/300/600 x 7,2 x 12,3 cm / 4,4 - 13,2 kg
	Size Power supply (L x W x H) cm / Weight	262 x 125 x 44/2,8 kg - 310 x 144 x 49 /4,2 kg
	Height above crops	Typical 1,8 - 2,3 m (@ 3,5 meters spacing between rows of HORTISABER™)
<b>Coverage</b>	Growbed coverage per lamp	Typical 20 - 30 m² (HORTISABER™ 6 m)
<b>General</b>	Housing	Aluminum (Lamp fixture + power supply), Acrylic lens
	Mounting	Beam hooks + various options
	Temperature	Operating: -10 - +45C°, Storage: -20 - +70C°
	Humidity	20-95% RH non-condensing
	Ingress Protection (IP)	Lamp: IP66, Power supply: IP67
	Lifetime	>50.000 hours (L90)
	Cooling	Passively air cooled - no noise
	Compliance	CE, RoHS
	Warranty	5 years - limited

\*Photosynthetic Photon Flux + Density \*\*Value depends on selected spectrum and dimming level

\*\*\* Estimated 240 for 120 μmol/s/m² 30m² per HORTISABER™ 1000/6m.