



HORTISABER

Linear LED Toplighting

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.

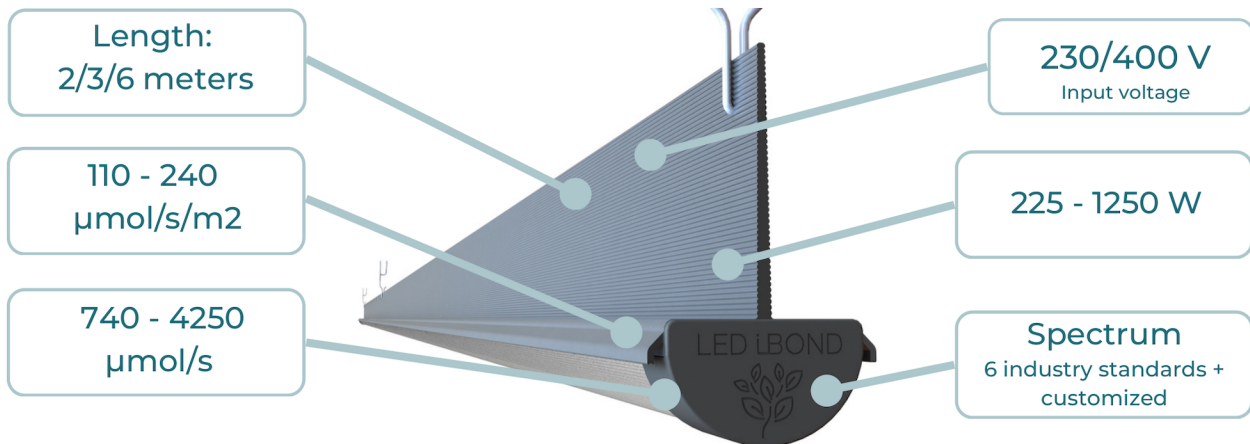
With an impressive efficacy boost of up to 3,8 $\mu\text{mol}/\text{J}$, the HORTISABER™ provides exceptional energy efficiency. Additionally, the option to dim and control the lights empowers you to easily set and adjust light levels according to your specific needs. Experience the difference with LED iBond's HORTISABER™ LED Toplighting.

Key Benefits

- Excellent light uniformity
- Low installation cost
- High System Efficacy:
up to 3,8 $\mu\text{mol}/\text{J}$
- Dimmability lets you set
the correct light level at
any time
- Up to 65% less energy
than HPS lights
- Replaces traditional HPS
Toplights one-to-one

HORTISABER™ Product Family

- developed with Industry Leading Greenhouse Growers



Product specifications

HORTISABER 600 / 1000

Electrical	Power supply nominal load (wall plug rating)	600W(680W)/1000W(1200W)/1250W(1500W) (6m version)
	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
Optical	Light output** (PPF*) - 6 m version	Hortisaber 600: 2300 $\mu\text{mol/s}$ (600W) Hortisaber 1000: 3700 $\mu\text{mol/s}$ (1000W) - 4250 $\mu\text{mol/s}$ (1250W)
	System Efficacy** - [$\mu\text{mol/J}$]	3,8
	Light output density*** (PPFD) - [$\mu\text{mol/s/m}^2$]	Typical 110 - 240 (120 @ 30m ² per 6 m lamp)
	Spectrum - options	Crowlight Supplemental: 6 industry standards or customized
Physical	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™)
Coverage	Growbed coverage per lamp	Typical 20 - 30 m ² (HORTISABER™ 6 m)
General	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 $\mu\text{mol/s/m}^2$ 30m² per HORTISABER™ 1000/6m.