

HORTISABER[®]

Distributed LED Toplighting

Linear Toplighting for Greenhouses



HORTICULTURE
LIGHT SOLUTIONS



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 3.7 $\mu\text{mol}/\text{J}$, 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.

PRODUCT SHEET



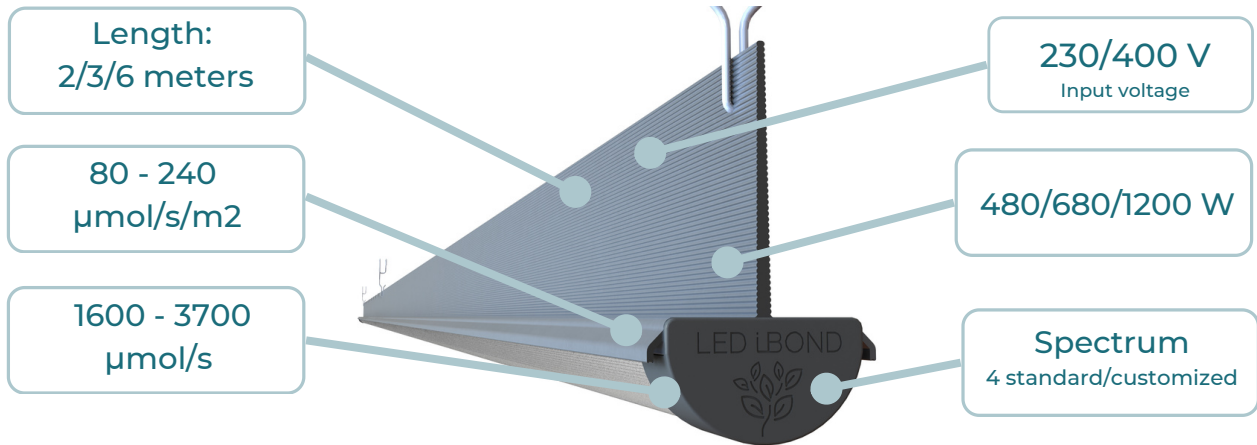
Key Benefits

- Excellent light uniformity
- Low installation cost
- High Efficacy - up to 3.7 $\mu\text{mol}/\text{J}$
- Dimmability lets you set the correct light level at any time
- 50% less energy than HPS lights
- Replace traditional Toplights HPS light one-to-one

LED iBOND

HORTISABER® Product Family

- developed with Industry Leading Greenhouse Growers



Product specifications

		HORTISABER 1000 6m	HORTISABER 650 6m	HORTISABER 450 6m
Electrical	Power supply unit	1200W	650W	450W
	Power efficiency	> 0,96 (@ min. 70% load)		
	Power Factor	0,95 - 0,98		
	Input voltage AC [V]	180 -528 VAC	180 -528 VAC	127 - 431 VAC
	Frequency	47-63 Hz		
	Dimming/control interface	0-10V or DALI-2		
	Light control system	LIB HortiCore (DALI-2)		
Optical	Light output (PPF*) - [μmol/s]	3700	2360	1620
	Efficacy** - [μmol/J]	3.2 - 3.6		
	Light output density*** (PPFD*) - [μmol/s/m2]	240	150	110
	Spectrum - options	GLD, GLF, NR, PHB, customised		
Physical	Size lamp options (LxWxH) / Weight - 6 meter	600 x 7,2 x 12,3 cm / 13,2 kg		
	Size lamp (LxWxH) / Weight - 2 + 3 meters	200 x 7,2 x 12,3 cm / 4,4 kg + 300 x 7,2 x 12,3 cm / 6,6 kg		
	Size Power supply (LxWxH) cm / Weight	310 x 144 x 49 / 4,2 kg	280 x 144 x 49 / 3,9 kg	262 x 125 x 44 / 2,8 kg
	Height above crops	typical 0,6-4 meters (@2 meter spacing between rows of HORTISABER)		
General	Housing	Aluminum (Lamp panel + 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		
	Compliance	CE, RoHS		
	Warranty	5 years - limited		

*Photosynthetic Photon Flux + Density **Value depends on selected spectrum and dimming level *** Estimated for 12 m² @80% per HORTISABER-6M