

HORTISABER™

Linear LED Toplighting

New generation LED Grow Lights for Greenhouses



HORTICULTURE
LIGHTING SOLUTIONS



PRODUCT SHEET

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.

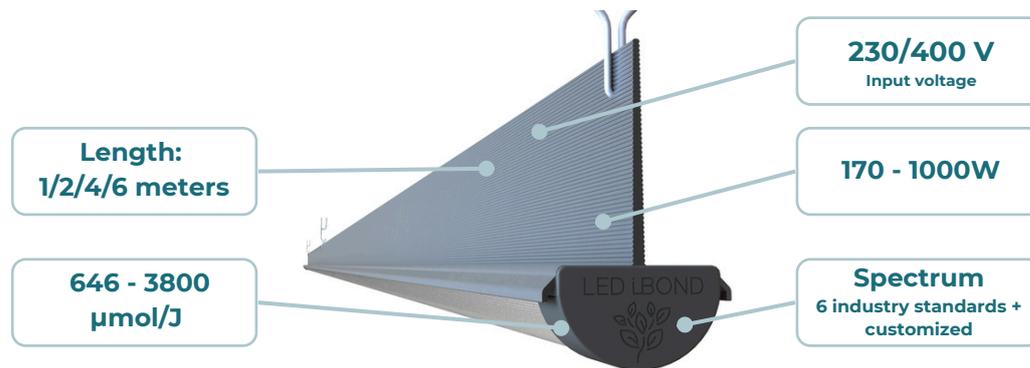
With an impressive efficacy boost of up to $3,8\mu\text{mol}/\text{J}$, the HORTISABER™ provides exceptional energy efficiency. Additionally, the option to dim and control the lights empowers you to easily set and adjust light levels according to your specific needs. Experience the difference with LED 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™ 1000

Fixture length	1 meter	2 meters	4 meters	6 meters
Watt	170W (219W boosted)	340W (420W boosted)	670W (840W boosted)	1000W (1200W boosted)
Light output** (PPF*)	646 $\mu\text{mol}/\text{s}$ (749 $\mu\text{mol}/\text{s}$ boosted)	1292 $\mu\text{mol}/\text{s}$ (1436 $\mu\text{mol}/\text{s}$ boosted)	2546 $\mu\text{mol}/\text{s}$ (2873 $\mu\text{mol}/\text{s}$ boosted)	3800 $\mu\text{mol}/\text{s}$ (4104 $\mu\text{mol}/\text{s}$ boosted)
Size	106,9 x 7,2 x 12,3 cm	205,5 x 7,2 x 12,3 cm	403,7 x 7,2 x 12,3 cm	600,5 x 7,2 x 12,3 cm
Weight	2,3 kg	4,6 kg	9,2 kg	13,2 kg
System Efficacy** - [$\mu\text{mol}/\text{J}$]	3,8 $\mu\text{mol}/\text{J}$			
Light output density*** (PPFD*) - [$\mu\text{mol}/\text{s}/\text{m}^2$]	Typical 110 - 240 (120 @ 30m ² per 6 m lamp)			
Power efficiency	> 0,96 (@ min. 70% load)			
Power Factor	0,95 - 0,98			
Frequency	47-63 Hz			
Dimming/control interface	0-10VDC, DALI-2, LED iBond HortiControl or 3rd party light/climate control system			
Spectrum - options	6 industry standards or customized			
Input voltage VAC	400V (277-480VAC) - optional 110/230 VAC			
Height above crops	Typical 1,8 - 2,3 m (@ 3,5 meters spacing between rows of HORTISABER™)			
Growbed coverage per lamp	Typical 20 - 30 m ² (HORTISABER™ 6 m)			
Housing	Aluminum (Lamp fixture + power supply), Acrylic (lens)			
Mounting	Beam hooks + various options			
Connectors	Wieland			
Cooling	Passive cooling			
Operating temperature	Max. +45C°			
Environment temperature	Operating: -10 - +45C°, Storage: -20 - +70C°			
Humidity	20-95% RH non-condensing			
Ingress Protection (IP)	Lamp: IP66, Power supply: IP67			
Lifespan	>50.000 hours (L90)			
Compliance	CE, RoHS			
Warranty	5 years - limited			

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

*** Estimated 240 for 120 $\mu\text{mol}/\text{s}/\text{m}^2$ 30m² per HORTISABER™ 1000/6m.