

AN EFFICIENT & RUGGED ULTRA-SLIM LED GROW LIGHT

For Vertical Farms & Space-Limited Applications















The Horti-BladeTM is an ultra low-profile



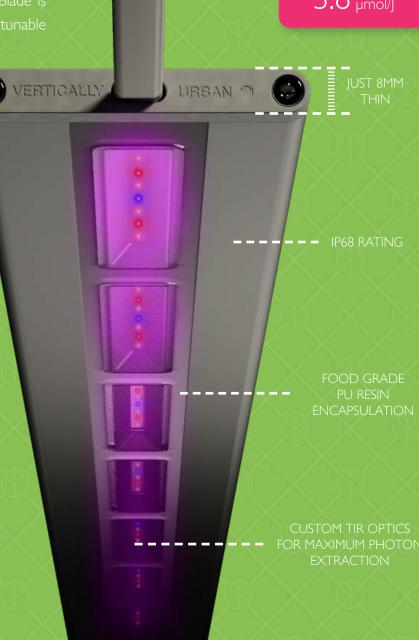
 $3.8\,\mu mol/J$

ENGINEERED

RUGGED

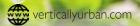
- Uses IP68 interconnect

EFFICIENT

















There are three models of Horti-Blade to choose from

HORTI-BLADE™ S

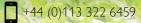


HORTI-BLADE™ H



HORTI-BLADE™ HE















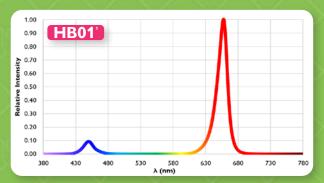


HORTI-BLADE™ SPECTRA GUIDE

Through the diligent work of our plant science team, we have developed a range of four proprietary spectra that are optimised to the most common specifications that are requested.

If you are unsure of the spectrum that would best allow your crops to thrive, our team can work with you to identify the best solution.

For larger projects, we can offer customised spectra either developed internally or in conjunction with your own external advisors.



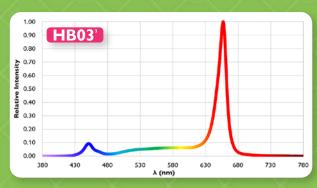
HB01 - EFFICIENT PHOTOSYNTHESIS

- Purple appearance
- Wavelengths targeted purely to drive photosynthesis, resulting in an energy-efficient, high-hiomass yield
- Ideal for a wide range of crops grown in enclosed systems



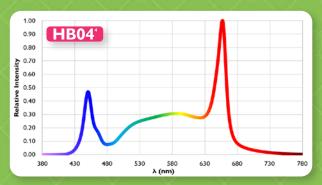
HB02 - BLUE BOOST

- Pink appearance
- Higher blue component triggers more compact growth and production of beneficial colour and flavour compounds
- Excellent for specialty crops or nutraceuticals



HB03 - VEGETATIVE WHITE

- Pale pink appearance
- Emphasised red and additional green wavelengths promote good overall growth
- Ideal for a wide range of crops requiring regular attention from workers



HB04 - TRUE COLOUR

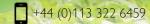
- White light appearance
- Tailored towards the human eye, this spectrum gives balanced overall growth whilst making the plant growr under them appear vibrant and healthy
- Widely used for research applications

SPECTRA PHOTON DISTRIBUTION

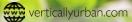
	Blue PF	Green PF	Red PF	Far Red PF
HB01	11%	0%	89%	0%
HB02	17%	8%	75%	0%
HB03	9%	18%	72%	1%
HB04	17%	36%	45%	2%

¹ Previously known as BR ² Previously known as BRW













SPECIFICATIONS & PRODUCT CODES

HORTI-BLADE" S

Part No.	Spectrum	Length (mm)	PPF (μmol/s)*	Efficacy (μmol/J)	Compatible PSU (Part No.)	Power (W)	Input Current	Units per PSU
014454		612	57		1	18		5-11
014455	1.1004	1188	113	3.2	014319	36	950mA	3-5
014456	HB01	1764	170			54		2-3
014457		2340	226			72		2
014449		612	54			18		6-12
014450	HB02	1188	108	3.0	014326	36	1280mA	3-6
014451	ПВО2	1764	162	3.0	014326	54		2-4
014452		2340	216			72		2-3
014322		612	49			18		6-12
014323	HB03	1188	97	2.8	014326	36	1280mA	3-6
014324	1 1003	1764	146	2.0	014320	54	120011174	2-4
014325		2340	194			72		2-3
014495		612	45			18		5-10
014496	HB04	1188	90	2.5	014643	36	1700mA	3-5
014497	TIDUT	1764	135	2.5	СТОТО	54		2-3
014498		2340	180			72		2

HORTI-BLADE[™] H

Part No.	Spectrum	Length (mm)	PPF (μmol/s)*	Efficacy (μmol/J)	Compatible PSU (Part No.)	Power (W)	Input Current	Units per PSU
015687		612	74		015524	24	1150mA	5-10
015688	HB01	1188	148	3.1		48		3-5
015689	ПВОТ	1764	222	5.1		72		2-3
015690		2340	296			96		2
015684		612	68	2.8	015749	24	1600mA	7-10
015685	HB02	1188	136			48		4-5
014676	ПВО2	1764	204	2.0		72		3
015686		2340	272			96		2
015680		612	60			22		6-10
015681	HB03	1188	120	2.7	014715	44	1500mA	3-5
015682		1764	180	∠./	014/15	66	ISOUMA	2-3
015683		2340	240			88		2

HORTI-BLADE" HE

Part No.	Spectrum	Length (mm)	PPF (µmol/s)*	Efficacy (μmol/J) [†]	Compatible PSU (Part No.)	Power (W)	Input Current	Units per PSU
017377		612	99			29		7-10
017378	HB01	1188	197	2.4	015839	58	1500mA	4-5
017379		1764	295	3.4	015839	87	ISUUMA	3
017380		2340	394			116		2

All Horti-Blade[™] luminaires require a compatible power supply, input cable and mounting clips, details of which can be found in the accessories table overleaf.

Should you need assistance deciding what you require, our team are always on hand to help

[†]A 3.8µmol/J full red luminaire is available upon i









HORTI-BLADE[™]





SPECIFICATIONS & PRODUCT CODES (CONTINUED)

PSU Input Voltage	~90-305 VAC (actual value PSU dependant)
Dimming Protocol	O-10V (others available on req)
PSU Power Factor	>0.95
Dimming Range	0% - 100%
Cooling	Passive
Beam Distribution	118°
Lifetime	L90 >55,000 hrs

IP Rating	IP68 (Horti-blade)
Storage Temp	-30° to 85°C
Operating Temp	0° to 40°C
Warranty	5 Year limited
IK Rating	3
Cable Exit	End
Finish	Anodised aluminium / PU

DIMENSIONS

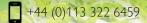


Length (mm)	612	1188	1764	2340
WxH (mm)	60.75×8	60.75×8	60.75×8	60.75×8
Weight (Kg)	0.51	1.02	1.53	2.04

ACCESSORIES

Part No.	Description	Qty
014371	Single Spectrum 1m Input Cable & Terminator	1
012444	Sprung Steel Fixing Clip	1
016220	Vertical Mounting (Basket) Clip	1
014319	240W 950mA 0-10V PSU	1
015524	240W 1150mA 0-10V PSU	1
014326	240W 1280mA 0-10V PSU	1
014715	240W 1500mA 0-10V PSU	1
015749	240W 1600mA 0-10V PSU	1
014643	240W 1700mA 0-10V PSU	1
015839	300W 1500mA 0-10V PSU	1













LIGHTING THE FARMS OF THE FUTURE



CONTACT DETAILS

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