

ODYSSEY TUNABLE



VERTICALLY URBAN

LIGHTING THE FARMS OF THE FUTURE

A TUNABLE SPECTRUM, ADVANCED, HIGH-POWER, LED LUMINAIRE

For Mid-Height to High-Bay Installations

+44 (0)113 322 6459

hello@verticallyurban.com

verticallyurban.com

VERTICALLY URBAN | Typhoon House, Moxon Way, Leeds, West Yorkshire, LS25 6FB, United Kingdom

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VU230412

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Enhance your horticultural operation with Odyssey Tunable, a luminaire that seamlessly combines the adaptability of advanced LED technology with the power of the 'high-bay' top light form factor. Crafted in the UK using cutting-edge tunable spectrum LED technology, Odyssey Tunable offers unparalleled versatility in greenhouse environments of any scale with its two variants: the powerful 600 model, and the more compact 300.

Enhance your crop's growth journey with the dynamic precision of Odyssey Tunable's four individual control channels. Effortlessly manipulate the output spectrum to cater to your crops' distinct requirements and maximize energy efficiency across each growth stage. Whether you're aiming to emulate sunrise or synchronize lighting regimes with your crops' circadian rhythm, Odyssey Tunable empowers you to turn possibilities into reality.

Designed for durability, Odyssey Tunable boasts an IP66 rating, guaranteeing longevity even in demanding agricultural settings. The included remote PSU offers flexible mounting options, allowing for easy integration into any setup.



LIGHT OUTPUT

LED Colour	Blue, White, Red, Far Red	
Controllable Channels	4	
PPE	>3.0 $\mu\text{mol}/\text{J}$	
PPF	300	up to 784 $\mu\text{mol}/\text{s}$
	600	up to 1568 $\mu\text{mol}/\text{s}$
Beam Angle	120°	

ELECTRICAL

Input Voltage	90-305 VAC	
Control Protocol	Modbus RTU or DMX	
Connection type	Trailing Lead	
Dimming Range	0-100% (Each Channel)	
PF	>0.9	

PHYSICAL & ENVIRONMENTAL

Finish	Anodised aluminium	
Storage Temp	-30°C to 85°C	
Operating Temp	-10°C to 35°C	
IP Rating	IP66	
Cable Exit/Entry	End	
Lifetime	Q90 >55,000 hrs	
Length options	300	528mm
	600	1056mm
Weight	300	3.5 kg
	600	6.5 kg



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Vertically Urban run regular development cycles, continuously optimising and balancing product specifications to best suit our customers. All information therefore, is intended as a guide and specifications may change on occasion without notice or announcement. Technical data is measured under controlled conditions, expected performance is within +/- 10% of advertised figures. Information provided is intended as a description of the product and shall not be used in the form of any contract.

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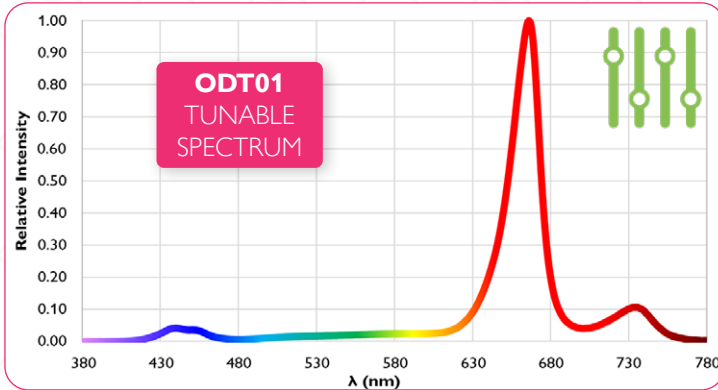
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ODYSSEY TUNABLE



TUNABLE SPECTRUM



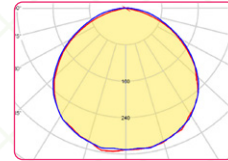
Example spectrum when all four channels are set to 100%. Any desired spectrum can be tuned in by controlling the level of each channel independently.

SPECTRUM PHOTON DISTRIBUTION & RATIOS

	Blue PF	Green PF	Red PF	Far Red PF	B:G	R:B	R:FR
ODT01 [†]	5%	8%	78%	9%	0.6	15.6	8.7

[†]All channels at 100%

LIGHT DISTRIBUTION



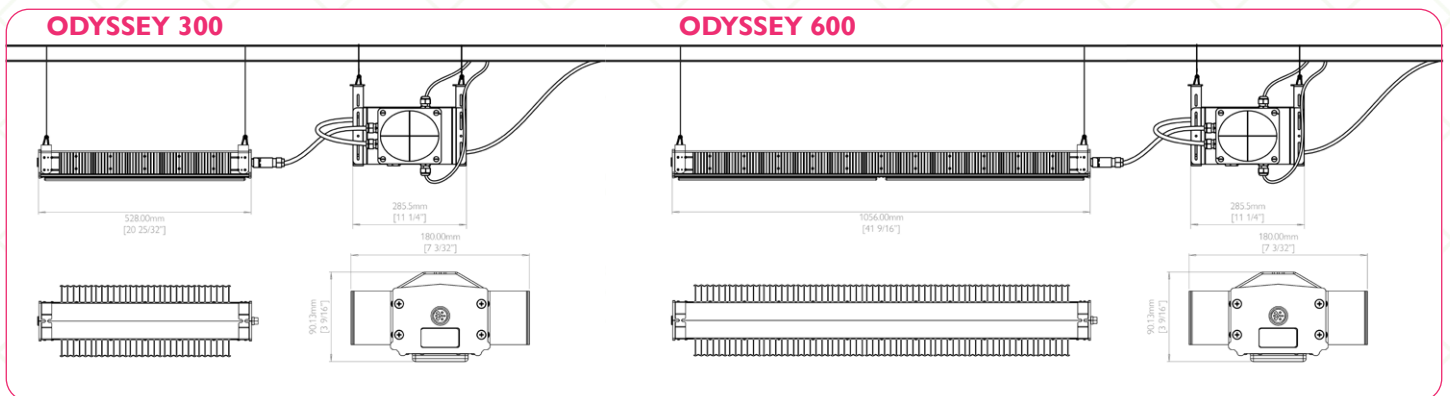
SPECIFICATIONS

Part No.	Product Code	Spectrum	Power (W)	*PPF (μmol/s)	†PPE (μmol/J)
021428	VU-ODYSSEY-300-ODT01-532mm-230V-IP66-DMX	ODT01	270	784	>3.0
021387	VU-ODYSSEY-300-ODT01-532mm-230V-IP66	ODT01	270	784	>3.0
021429	VU-ODYSSEY-600-ODT01-1056mm-230V-IP66-DMX	ODT01	540	1568	>3.0
020285	VU-ODYSSEY-600-ODT01-1056mm-230V-IP66	ODT01	540	1568	>3.0

*Typical PPF +/-10% (all channels at 100%)

†Actual luminaire efficacy will vary with luminaire output spectrum settings.

DIMENSIONS



ACCESSORIES

Part No.	Product Code
016856	VU-MOUNTING-KIT-ODYSSEY-UNISTRUT
016857	VU-MOUNTING-KIT-ODYSSEY-UNIVERSAL-CABLE

Each Odyssey luminaire is supplied with a power supply and driver kit as standard. A separate hanging kit of the desired type should be ordered for each luminaire.

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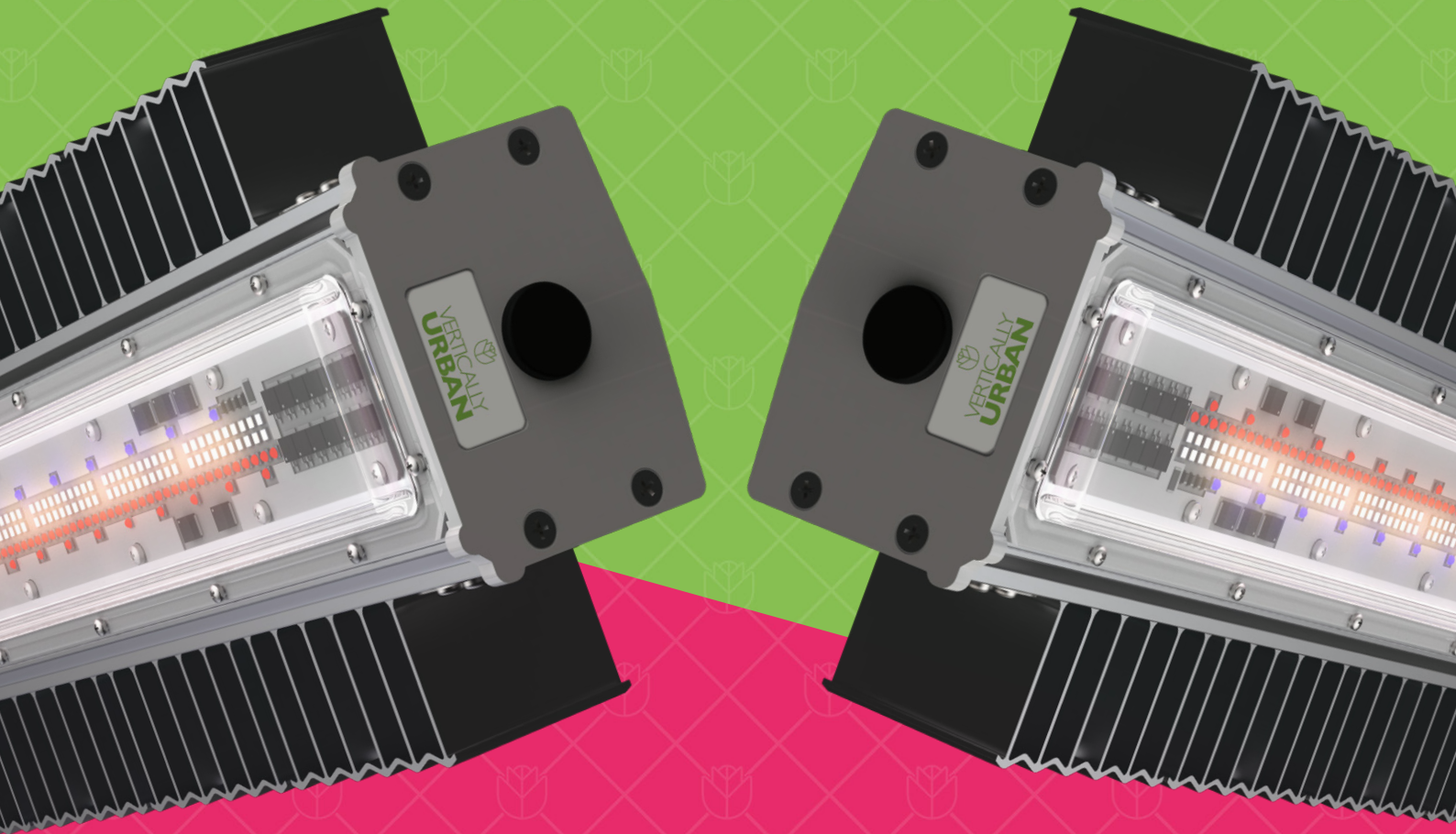
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CONTACT DETAILS

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Typhoon House
Moxon Way
Leeds
West Yorkshire
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United Kingdom



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